

1997

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Whitworth College



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COLLECTION

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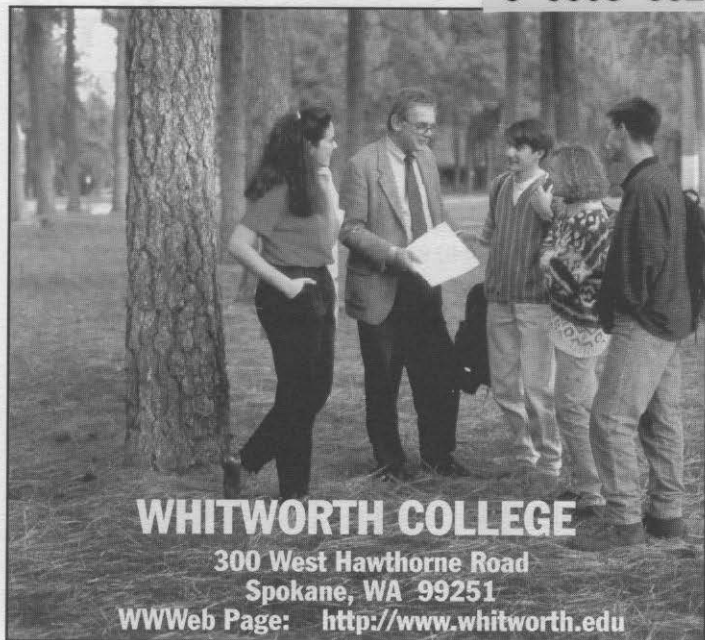


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WHITWORTH COLLEGE

300 West Hawthorne Road
Spokane, WA 99251

WWWeb Page: <http://www.whitworth.edu>

Telephone Directory

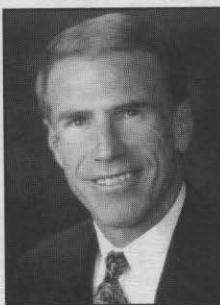
Whitworth College	(509) 777-1000
Office of the President	(509) 777-3200
Alumni Relations	(509) 777-3799; 1-800-532-4668
Development	(509) 777-3243
Foundation	(509) 777-3220
Admissions	(509) 777-3212; 1-800-533-4668
Financial Aid	(509) 777-3215; 1-800-533-4668
Business Affairs:	(509) 777-3208
Student Accounts	(509) 777-1000, ext. 4317
Student Loans	(509) 777-1000, ext. 4323
Office of the Registrar:	(509) 777-3205
Transcript Requests Via Credit Card	(509) 777-3722
Student Life:	(509) 777-3271
Chaplain's Office	(509) 777-3275
Library	(509) 777-3260
Health Center	(509) 777-3259
Housing	(509) 777-3250
Student Employment	(509) 777-3273
Special Needs/Access Program	(509) 777-1000, ext. 4541
Adult Degree Programs/Continuing Studies	(509) 777-3222
Graduate Studies Programs:	
Graduate Studies in Education	(509) 777-3228
International Management for Business and Development	(509) 777-1000, ext. 3742
Master of Nursing Program	(509) 777-3222

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President's Welcome

Welcome to Whitworth College! We hope you have already started to feel the warmth of the Whitworth community. Whitworth is recognized nationally for its integrative curriculum, and this catalog offers a rich menu of learning opportunities. But let me be quick to say that the impact of a Whitworth education depends not only on what we teach, but on how we teach. The "how" of a Whitworth education is relationships: professors pouring themselves into the lives of their students, students learning from students, and all of us learning from each other. That's Whitworth. We hope you will seize the opportunities we offer to learn through relationships — to experience a superior education of mind and heart.



Bill Robinson

Bill Robinson
President
Whitworth College

Our Mission

Whitworth College is a private, residential, liberal arts college affiliated with the Presbyterian Church (U.S.A.). Whitworth's mission is to provide its diverse student body an education of the mind and the heart, equipping its graduates to honor God, follow Christ, and serve humanity. This mission is carried out by a community of Christian scholars committed to excellent teaching and the integration of faith and learning.



Our Heritage

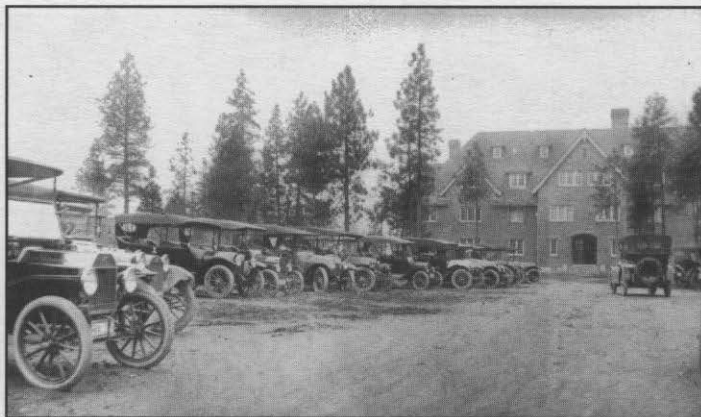
In 1853, George Whitworth, a minister in the Ohio Valley, set off for the western frontier to establish a college that would provide a "good English education and a thorough religious training." Fifty families joined his mission trek to the Northwest. By the time they reached Oregon, only Whitworth's family had persisted. It was 30 years before he was able to revive his dream of establishing a college.

In 1883, in the village of Sumner in Washington Territory, George Whitworth founded Sumner Academy. Seven years later, in February 1890, the school was incorporated as Whitworth College. The catalog of that year further defined the vision: "It is intended to give both sexes a thorough course of education equal to that of our best Eastern colleges, guarding well the moral and religious life of the students, ever directing them in pursuit of that learning and culture of heart and mind that make the finished scholar. This institution is well fitted for this, being under the control and direction of the Presbyterian Church. While it is denominational, it does not aim to be sectarian, opening its doors to all lovers of truth and learning." In 1899, the college had outgrown the rural community of Sumner and moved to Tacoma. Fifteen years later, when Spokane developer Jay P. Graves offered land in his Country Homes Estates, Whitworth College moved once more. In September 1914, classes began in Spokane. The college had found a home.

Years of uncertainty followed until President Ward Sullivan brought needed stability in the 1930s. He was succeeded in 1940 by Frank F. Warren, during whose 23-year presidency Whitworth achieved the size and scope of the present-day college. The Diamond Jubilee, celebrated in 1965 during the administration of Mark L. Koehler, gave rise to innovative programs — the 4-1-4 calendar, January Term and the Core curriculum.

Edward B. Lindaman, president during the '70s, was a futurist. His leadership team focused on new programs that gained national recognition. Lindaman's successors, Robert H. Mounce and Arthur De Jong, added clarity of mission and an increase in international programs. In 1990, Whitworth marked its centennial year with a capital campaign that resulted in the construction of a greatly expanded and renovated library. President William P. Robinson, inaugurated in 1993, has taken steps toward broadening Whitworth's financial base and moving the college to national prominence.

Through the years, Whitworth has held steadily to the concept defined over a century ago by its founder. During this time, the college has been responsive to the climate of each passing decade. With this balance of constancy and resilience, Whitworth enters the future with eager confidence.



Accreditation

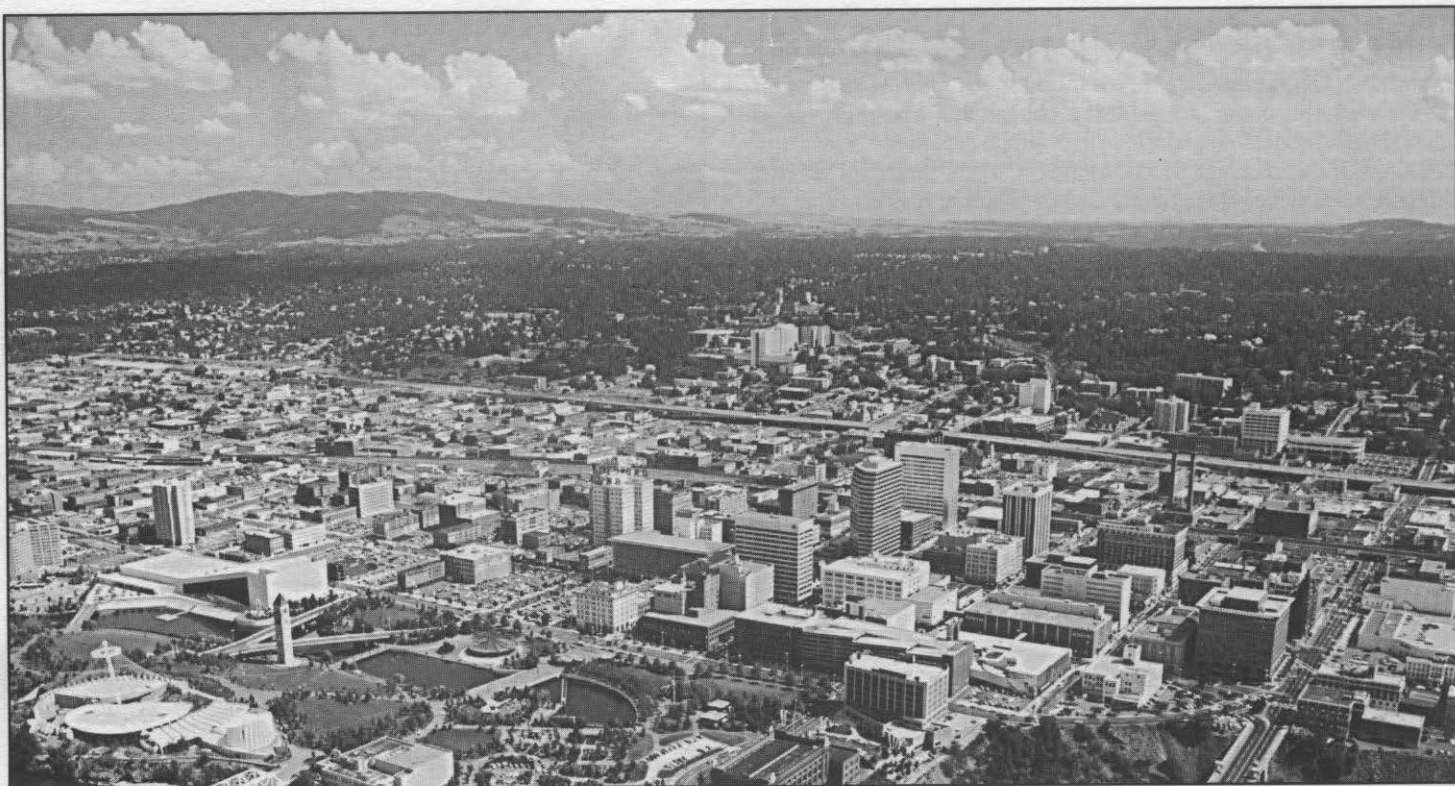
Whitworth College is accredited by the Northwest Association of Schools and Colleges, the institutional accrediting body in the Northwest.

The academic programs of study are approved by the Higher Education Coordinating Board's State Approving Agency (HECB/SAA) for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10, U.S. Code.

The Department of Music is accredited by the National Association of Schools of Music. Programs in the School of Education are accredited by the National Council for Accreditation of Teacher Education. The Intercollegiate Center for Nursing Education of Eastern Washington University, Whitworth College, and Washington State University is approved by the Washington State Board of Nursing and the National League for Nursing.

Whitworth is also a member of the Association of American Colleges, the Presbyterian College Union, and the Coalition for Christian Colleges and Universities. It is on the approved list of the National Council on Church-Related Colleges.

Whitworth has repeatedly been recognized by the John Templeton Foundation as one of 124 U.S. colleges and universities that "promote high integrity as well as education" in their students. *U. S. News and World Report's* "America's Best Colleges" survey for 1997 ranked Whitworth among the best regional colleges and universities in the West for the third consecutive year. The college is affiliated with the Synod of Alaska-Northwest of the Presbyterian Church (U.S.A.).



Our City

Spokane, the All-American City, offers a vibrant downtown with exciting specialty shops, appealing restaurants, major department stores, theaters, and financial and professional services. Ten blocks of the city center are connected by a sleek, efficient, fully enclosed skywalk system. There is plenty of cultural life, too. The elegant Opera House adjoins the Convention Center and the International Agricultural Trade Center on the beautiful Spokane River. Nationally acclaimed artists, the Spokane Symphony, the Spokane Ballet and other fine local talent appear on the Opera House stage and at the beautifully renovated "Met" (Metropolitan Center for the Performing Arts). A wide spectrum of events is offered: concerts, comedies, symphonies, lectures, operas and travelogues. Repertory and dinner theater companies, as well as the Spokane Civic Theater, also provide live drama and comedy. Active local arts organizations such as the Spokane Falls Brass Band, Connoisseur Concerts and the Spokane Jazz Society perform at venues throughout the city.

Located in the heart of downtown Spokane is Riverfront Park, the site of the 1974 World's Fair. The park includes 100 acres of gentle

hills, lush lawns and greenery, bicycle paths, bridges and natural amphitheatres. The park surrounds the banks of the powerful Spokane River, with its cascading falls. Here you can pause to ride the turn-of-the-century carousel, hear an outdoor concert or picnic with family and friends.

All of these attractions — skywalks, shops, the river and the park — are a mere 14 minutes from the campus, with excellent public transportation from the main entrance of the college. And there is more. Close at hand are 12 national parks, 76 lakes, and 15 national forests. Thirty minutes out of town, you can hike, camp, fish or hunt. You can go canoeing within the city limits. Spokane's 12 public golf courses are rated among the best in the nation, and four major ski areas are within a two-hour drive. Tourist attractions include the Coeur d'Alene Resort, Silverwood Amusement Park, and Silver Mountain Recreation Area in Kellogg, Idaho.

In this abundant environment with its four distinct seasons, people have a great zest for living. So be warned — once you have tasted the Spokane lifestyle, you may never want to leave.

Our Campus

Located in a suburban setting on the north side of Spokane, Whitworth College's 200-acre wooded campus offers students a dynamic learning environment. A walk around the campus reveals a harmonious blend of historic and contemporary architecture that complements the beauty of the grounds. With their reddish-brown brick, steeply pitched roofs and distinctive dormer windows, McMillan and Ballard residence halls embody the early 20th-century architecture that distinguishes much of the Whitworth campus. Modern buildings such as the Harriet Cheney Cowles Memorial Library, the Music Building, the Seeley Mudd Chapel and the Campus Center blend with the more traditional surroundings to produce a beautiful and functional campus environment.

Whitworth's \$4.25-million Campus Center, completed in 1995, provides a great place for students to get together and study or just sit and relax. The center features a café and snack bar, a bookstore, lounge space, meeting rooms, a post office, a game room and offices for student government and organizations. A new addition, including a 450-seat dining hall, will be completed in the fall of 1998.

Approaching the center of the Whitworth campus, you will find "The Loop." With its plush lawns and tall pine trees, The Loop provides students with an ideal place to read a book while relaxing in the sun, visit with friends, or play a game of volleyball. At the west end of the campus are Whitworth's athletics facilities: the Fieldhouse, the Aquatics Center, Graves Gym, the newly renovated Pine Bowl football field and Boppell Memorial Track, tennis courts, baseball diamonds and practice fields. Whether you are a participant in inter-collegiate athletics or just a weekend warrior in search of a good workout, Whitworth has everything you need.

The Whitworth environment plays an important and invigorating role in campus life. Whitworth enrolls approximately 2,000 students — 1,600 undergraduates and 400 graduate students. Among them are representatives from 30 states and 25 foreign countries. Though the campus continually bustles with a wide variety of activities and events, it also provides the space and natural beauty for relaxation, solitude and reflection. Come visit our campus and discover why Whitworth, like its Pacific Northwest surroundings, is a wonderful place to be. Call the Office of Enrollment Services at 1-800-533-4668 or 509-777-3212.

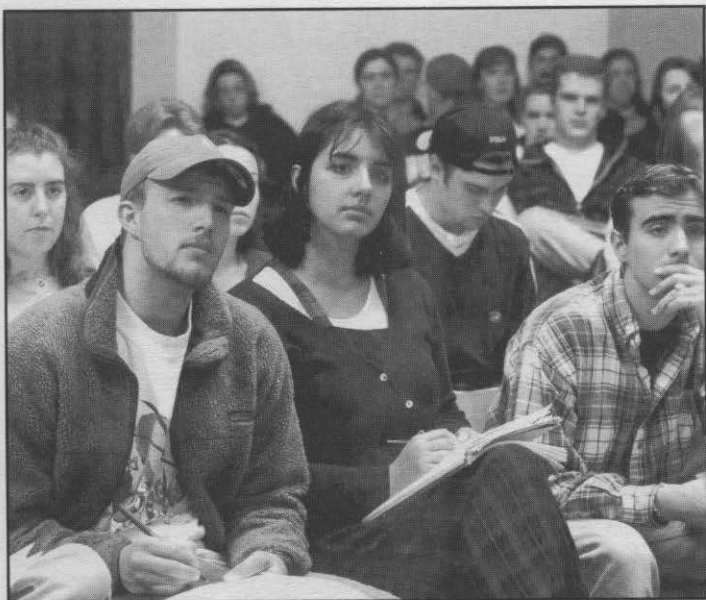


The 4-1-4 Calendar

In 1969, Whitworth College became one of the first colleges in the country to adopt the 4-1-4 academic calendar. This calendar is favored by many liberal arts colleges due to its flexibility and potential for innovative and short-run, off-campus courses.

The fall semester begins in early September and ends with Christmas vacation. During the month of January, students take one intensive course. Many students participate in internships and independent study in their majors during this month. Also, Whitworth has developed a number of tuition-reciprocity agreements with other colleges on the 4-1-4 calendar; these agreements allow students to experience another college during the month of January without up-setting tuition or financial aid arrangements.

The spring semester begins in early February and ends in mid-May. A 12-week period of summer instruction is also offered in varied formats from weekend workshops to six-week traditional lecture courses.



Our Identity

Whitworth College is a Christian, residential college of the liberal arts and sciences affiliated with the Presbyterian Church (U.S.A.).

A Whitworth education is based upon the Christian faith and the values it affirms, which are informed by Scripture and the historic creeds of the church.

Whitworth College exists to educate a diverse student body in all the human dimensions, "intellectual, spiritual, physical, social and emotional," in order to equip students to honor God and serve humanity through their personal and professional lives. The college is committed to excellent teaching by highly qualified Christian scholars who pursue the integration of faith and learning.

The college welcomes students from all backgrounds and beliefs, yet functions as a Christian covenant community, respecting the diversity of its members while encouraging their support and encouragement for each other.

The college emphasizes cross-cultural and international study in response to the Christian tradition and the challenge of global realities.

Academic Calendar

1997-98

Fall Semester

Saturday, Aug. 30	Dorms open at 9:30 a.m.
Tuesday, Sept. 2	Fieldhouse Registration
Wednesday, Sept. 3	Evening Classes Begin
Wednesday, Sept. 3	Day Classes Begin
Friday, Oct. 31-Nov. 3	Fall Break
Wednesday-Friday, Nov. 26-28	Thanksgiving Vacation
Monday, Dec. 1	Classes Resume
Tuesday-Friday, Dec. 9-12	Final Examinations
Dec. 15 - Jan. 2	Christmas Break

January Term

Jan. 4	Dorms open at 1 p.m.
Jan. 5	Classes Begin
Jan. 19	Martin Luther King Day
Jan. 27	Last Class Day

Spring Semester

Saturday, Jan. 31	Dorms open at 9:30 a.m.
Monday, Feb. 2	Fieldhouse Registration
Monday, Feb. 2	Evening Classes Begin
Tuesday, Feb. 3	Day Classes Begin
March 23-27	Spring Vacation
Tuesday-Friday, May 12-15	Final Examinations
Sunday, May 17	Baccalaureate and Commencement
Summer School	To be announced

Educational Philosophy

The enduring vision for more than a century at Whitworth has been the pursuit of intellectual and spiritual development. Through decades of change, this fundamental purpose has remained firmly centered in the person of Jesus Christ. Our understanding of Christ is based on Scripture, the inspired and trustworthy record of God's self-disclosure and our final rule for faith and practice. As a college affiliated with the Presbyterian Church (U.S.A.), Whitworth stands within the historic Reformed tradition.

Believing that God is the ultimate source of all truth and is to be loved with "all our mind," Whitworth embraces freedom of inquiry and the unhindered pursuit of truth.

The college is dedicated to academic excellence as expressed through its core of liberal arts and sciences and through rigorous disciplinary and interdisciplinary study. A Whitworth education is designed to broaden students' understanding of our cultural heritage, to promote critical thinking, to prepare students for productive work, and to stimulate creativity in responding to the challenges of life. In both its liberal arts undergraduate programs and its graduate professional programs, Whitworth employs a wide variety of pedagogical approaches. It emphasizes responsible action as the logical result of effective learning.

Whitworth is strongly committed to the educational value of a residential environment and is diligent in providing a range of learning opportunities. As a Christian institution, it takes seriously its responsibility to help students understand and respond compassionately to the

needs of the world. Recognizing that contemporary society is globally interdependent and that the call to a cross-cultural perspective is increasingly compelling, Whitworth promotes concern not only for domestic issues but for matters of international import, as well. The college welcomes to its campus students from other religious and cultural traditions, convinced that their presence deepens our understanding of the world. Whitworth respects the uniqueness of each individual and therefore encourages each toward self-understanding, optimum personal development, and respect for differences.

Whitworth is determined to foster in its students a desire for independent and lifelong learning. Of critical importance is the challenge to explore the relationships among faith, learning, and culture. The college desires to graduate men and women who possess both the competence and the willingness to work toward a world in which the truth of God's redemptive love in Christ will be increasingly honored.

EDUCATIONAL GOALS

Intellectual breadth: The college enlarges understanding and enjoyment of the world through balanced and coherent study of the arts, the humanities, and the natural and social sciences. We are especially concerned that all students achieve a clearer understanding of the Judeo-Christian tradition and of the rationalist and scientific traditions in Western civilization.

Intellectual depth: The college enables students to master at least one academic discipline. We seek to prepare students for challenging careers and to inspire them to a life of vigorous intellectual inquiry.

Critical thinking : The college enables students to use the tools of analytical and creative thinking to collect, process and apply knowledge, and to imagine possibilities.

Effective communication: The college teaches students to listen deliberately, speak persuasively and write clearly, and to engage responsively in artistic expression.

Life in community: The college promotes personal growth through a community that fosters self-understanding, a healthy life, enduring friendships, community service and respect for others.

Multicultural understanding: The college advocates an understanding of diverse cultures throughout the nation and the world. We prize the richness that comes from cultural diversity within our community.

Christian faith: The college encourages students to give serious consideration to making a personal commitment to Christ and the church. This commitment initiates a life of discipleship that extends the values of the Kingdom of God into the world.

Ethical decision-making: The college encourages public and personal lives that face ambiguity, embody personal conviction, and courageously combat evil in families, communities, the nation and the world.

Student Life and Services

Taking seriously the vision of George Whitworth to "provide an education of the mind and heart," the Student Life Division participates in the educational mission of the college by viewing all aspects of life on campus as a laboratory for learning. We continue this tradition because we believe that this commitment to building character as well as cognitive skills reflects scriptural principle and community values; we also believe that this "whole person" approach to learning is educationally effective.

In order to nurture education of character, Whitworth Student Life offers numerous opportunities for involvement: residence hall communities are defined each year through goals set by students in residence area policy discussions; regular dorm programs range from "big-hair bowling" to a world religions panel; Bible studies (or "S-groups") offer a chance for regular study, prayer and support; student leadership positions include resident assistant, student government (ASWC) officer, ministry coordinator, cultural diversity advocate, health coordinator and career-life advocate opportunities; spiritual mentoring groups led by members of the faculty and staff give students a chance to talk regularly about issues of faith and world view; service-learning projects take students into community areas of acute need; internship, cooperative education and student employment placements give students additional learning opportunities through direct supervised work experience. Heeding research indicating that active involvement in co-curricular as well as curricular college activities correlates positively with learning success and satisfaction, we consider these opportunities for decision-making, leadership and active community involvement to be vital to education.

In addition to the many avenues for involvement described above, the Student Life Division offers numerous services designed to support learning in all areas of life. Health Center and counseling programs, career/life advising services, support networks for international and national students of color, and an active student activities program are available to enhance learning, encourage fun and build connections to the Whitworth community.

THE CHAPEL PROGRAM

Whitworth College enthusiastically embraces its call to provide an education of the mind and heart, equipping students to honor God, follow Christ, and serve humanity. The activities and programs sponsored by the Chapel are designed to help students receive an education that places Jesus Christ at the center of their Whitworth experience. As a college community, we seek to affirm by thoughtful inquiry and responsible action the biblical and historical Christian faith.

It is the special responsibility of the Chaplain's Office to provide students with opportunities to explore the reality of God's love and to exercise leadership as they faithfully seek to follow Christ. Occasions for worship, personal growth, the building of Christian community, and mission and service are offered through the leadership of students and Chapel staff. Midweek Worship, retreats of solitude and prayer, special focus weeks, and covenant groups led by ministry coordinators are just some of the ways in which we promote a growing commitment to Christ. The linking of personal faith to the body of Christ (the church) and the nurturing of a passion for establishing God's love and justice in the world are two of the most important growth experiences of a student's years at Whitworth. Our programs and projects seek to promote this holistic growth.

The opportunities to explore the Christian faith offered through the Chapel are open to all students. We recognize and welcome the diversity of faith backgrounds and commitments of our student body. Each person is unique, and the experiences and perspectives he or she brings are affirmed and respected. Yet we are convinced of the central reality of God's love expressed in Jesus Christ. It is our desire that all students be given the opportunity to consider thoughtfully the place of Christ in their lives. God has created each of us to find wholeness and to reach our full potential through a commitment to Christ and to the church.

We believe that Whitworth's commitment to Christ provides the cornerstone for a liberal arts education of the heart and mind. The Chapel program seeks to enable students to live a life that faithfully follows Christ and compassionately serves humanity.

CAMPUS HOUSING

All students are required to live on campus for their freshman and sophomore years (a total of four housing terms), unless they reach 22 years of age before completing the sophomore year or four housing terms. Exemptions must be processed using the Residency Requirement Waiver Request, available in the Housing Office in Student Life.

ACADEMIC ADVISING

Each student is assigned a faculty advisor. Freshmen are assigned a specifically designated freshman advisor. Following the freshman year, each student selects an advisor whose academic specialty corresponds with the student's area of academic interest.

The advisor is the main link between the academic program and other resources of the college and, as such, plays an important role in the personal and academic development of students. Students are encouraged to discuss educational objectives as well as personal goals and problems with their advisors.

The advisor's signature is required on registration forms as evidence of approval of courses chosen each semester and January Term.

Any course withdrawals, adds or drops must also be approved by the advisor.

SPECIAL NEEDS/ACCESS PROGRAM

Whitworth is committed to providing equal opportunities to all academically qualified students. Resources are available to assist with learning and physical disabilities. Our policy is to ensure all students reasonable accommodation in the admissions process and in their programs of study and activities.

Academic requirements may be modified as necessary to ensure that Whitworth does not discriminate against students with disabilities, so long as accreditation of classes will not be at risk. These modifications shall not affect the substance of the educational programs nor compromise educational standards; nor shall they intrude upon legitimate academic freedom. Modifications may include changes in length of time permitted for the completion of degree requirements, substitution of specific courses, and other adaptations which may be needed.

Legal documentation of all disabilities is required for services to be rendered. It is the responsibility of the individual student to request accommodation or auxiliary aids at least sixteen (16) weeks before classes, programs or activities begin.

Reasonable accommodations and auxiliary educational services that are not precluded by undue hardship to the institution may be requested through the Special Needs/Access Office. The use of tape recorders, brailers, guide dogs or other adaptive devices in the classrooms or campus buildings is permitted. Auxiliary services may include, but are not limited to, the following:

- referral to appropriate on- or off-campus resources, services or agencies
- registration assistance
- note-taking services
- academic and tutorial services
- testing accommodations
- arrangements for special auxiliary aids, including taped texts, large-print materials, interpreters
- disability parking

ASSOCIATED STUDENTS OF WHITWORTH COLLEGE

The Associated Students of Whitworth College is the student governance and programming component of the college. All full-time undergraduate students are members of ASWC. Elected leaders represent students from each living area and from off campus by providing information to, and obtaining information from, students about all college policies and about curricular and extra-curricular programming. ASWC student leaders provide a vital communication link between students and the faculty, staff and administration of the college. ASWC sponsors campus activities and programs such as Com-



munity-Building Day, Springfest, movies and concerts; provides performers and half-time shows at sporting events; and coordinates outdoor recreation, the SERVE volunteer service program, all student media including the newspaper, yearbook and radio station, and the Whitworth intramural program, which includes competition in sports such as ultimate Frisbee, volleyball, indoor soccer, basketball, softball and roller hockey. All ASWC programming offices are located in the Campus Center.

ATHLETICS

Whitworth Athletics, which holds dual membership in NCAA Division III and the National Association of Intercollegiate Athletics (NAIA), is affiliated with the Northwest Conference of Independent Colleges (NCIC). At Whitworth, students may choose from 16 varsity sports. Men can participate in soccer, cross-country, basketball, swimming, football, baseball, tennis, and track and field. Women's sports include volleyball, soccer, cross-country, basketball, swimming, tennis, softball and track and field. Whitworth also offers a strong intramural program, which is available to the entire student body.

A commitment to excellence is the hallmark of Whitworth Athletics. Since 1980, more than 65 of our athletes have received All-America recognition and 40 have been named to the Academic All-America team. In 1996, two Whitworth coaches were awarded National Coach of the Year honors by the NAIA. During the 1990s, the NCIC has honored fifteen Whitworthians as Coach of the Year. Our basketball teams, perennial NCIC playoff threats, have contended for NAIA titles in recent years, with the men finishing as runners-up to the national champions; Whitworth's swim teams have moved up

every year, finishing as high as 2nd place at NAIA nationals. Our women's soccer team has won two conference championships in the past four years, and our men's soccer squad has finished near the top of the conference every season in recent memory. In 1995, a member of our women's track-and-field team earned the NAIA Division II national championship in the javelin event. Our up-and-coming men's baseball team continues its quest for a conference championship, women's softball joins the varsity lineup in 1998, and the football Bucs are ready to make their mark in the talent-laden NCIC.

Our athletics facilities include the Boppell Memorial Track, dedicated in 1995; the Pine Bowl football stadium, refurbished in 1994; the Aquatic Center, recent venue for regional and national swim meets; and the Whitworth Fieldhouse, home of the recently completed Dr. James P. Evans Sports Medicine Center — one of the finest athletic treatment centers in the Pacific Northwest.

Whitworth's mission as a Christian liberal arts college is emphasized in its athletics program: Student-athletes are encouraged to participate fully in the academic, spiritual and social life of the campus, and Whitworth coaches are chosen for their effectiveness as teachers and mentors as well as for their athletic knowledge and ability. At Whitworth, we take great pride in the athletic and academic accomplishments of our students; we strive to equip our student-athletes to excel in sports, in academics, and in life.

LIBRARY

The Harriet Cheney Cowles Memorial Library is vital to the educational and intellectual life of the college.

Located at the heart of the campus, with a satellite unit in the Eric Johnston Science Center, the library provides a balanced collection of more than 162,000 books, periodical volumes, volume-equivalents on microfilm, recordings and audiovisual media.

A new east wing and a complete renovation of the older section, completed in 1992, have doubled the library's former size and created a spacious, comfortable and inviting environment for students, as well as outstanding facilities for a full range of information and educational technology services. The library is home to both the Academic Computing Department and the Audiovisual Center.

Through its participation in regional and national networks, the library serves as the gateway to vast resources beyond its walls via computer access and interlibrary loan services.

Key to the library's mission is its staff, which strives to provide consistently friendly, professional service. Four library faculty members, combining scholarly credentials with training in library and information services, have responsibility for the library's teaching mission, development and organization of its collections, and supervision of its operations. They conduct library instruction workshops, provide individual research assistance, and often teach classes in their areas of subject expertise.



INSTRUCTIONAL RESOURCES

The Information Resources Division supports three microcomputer labs centrally located in Cowles Memorial Library. Students have access to Apple Macintosh, IBM, and IBM-compatible computers installed in these labs. Software for word processing, electronic spreadsheets, databases, graphics, statistics and other applications are supported in the labs. The labs are staffed with knowledgeable student assistants to provide support for student users.

Academic departments utilize computers in the teaching of the specific disciplines. Some courses are taught in the computer labs, while others use the labs and network facilities to supplement courses. In addition, some departments have on-site computer labs for student access.

Students may connect their personal computers to the college network directly from their dorm rooms or remotely from off campus. The campus network provides access to campus information resources and services, including connection to the Internet, giving students and faculty access to a world of computer networks and information systems.

LEARNING RESOURCE CENTER (Study Skills)

Study skills assistance is offered through this office located in Student Life. The Learning Resource Center provides individualized academic counseling and effective study-skills instruction in many areas, including time management, note-taking and test-taking strategies, and stress management. Tutors are also available in most departments to offer small-group and individualized assistance. Tutoring session schedules are posted within participating departments. There is no charge for these services for full-time students.

CAREER SERVICES/STUDENT EMPLOYMENT

Career development and career choices should flow out of an understanding of personal skills, interests, experiences and world needs. The Career Services Office assists students in exploring interests, values and an understanding of God's work in the world as each relates to academic and professional goals. The staff of the Career Services Office offers computerized testing, career-related seminars, residence hall workshops, and individual advising to students. A twenty-four-hour job/internship phone line, Internet research, and an extensive, up-to-date career library are available as resources for researching careers, employers, international opportunities, graduate/professional schools and seminars.

Student Employment assists Whitworth students in obtaining part-time employment to help them to meet their college expenses. Part-time positions on and off campus are posted in the Student Employment Office. These include both work-study and non-work-study positions.

The Whitworth Writing Center is a place for all writers on campus to come for individual discussion about any step of the writing process. The center's trained student and faculty consultants represent many departments. Students make appointments or stop by to talk about their ideas for papers, to work on development and organization, or to discuss editing concerns. The center is centrally located in the room with the curving glass block wall at the top of the stairway in the library.

SEXUAL HARASSMENT

Whitworth College has a clearly defined policy prohibiting all forms of sexual harassment that applies to all campus constituencies.

For the purposes of this policy, unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic advancement; (2) submission to or rejection of such conduct by an individual is used as the basis for employment decisions or academic decisions affecting such individuals; or (3) such conduct has the purpose or effect of interfering with an individual's work or academic performance or creates a demoralizing, intimidating, hostile or offensive working or academic environment.

Refer to the Student Handbook section on "Community Values and Behavioral Expectations" when there has been a potential violation of this policy. More information is available in the Office of the Associate Dean of Students, in Student Life.

BEHAVIORAL PROBATION AND SUSPENSION

Students may be placed on behavioral probation on the basis of their cumulative record of behavioral policy violations, violation of civil law, or other behavior which places, or has the potential of placing, the offender or the Whitworth community, its mission, or any of its members, in jeopardy. As such, behavioral probation is considered and applied in situations where it is believed that such action may redirect a student's behavior so that suspension will not be necessary.

Behavioral probation consists of a contract between a student and the college, specifying behavioral criteria for continued enrollment. Any violation of these criteria on the part of the student may result in behavioral suspension. The decision to place a student on behavioral probation is made by the dean of students or her/his designee.

Behavioral suspension includes suspension from classes as well as from all other Whitworth facilities and services, and it may be imposed at any time that behavior warrants such action.

The decision to suspend a student on behavioral grounds is made by the dean of students or her/his designee. If a student feels that there are mitigating circumstances, he or she has until 5 p.m. of the business day following the notice of the suspension decision to file a written request for appeal with the Educational Review Board, through the board chair.

BEHAVIORAL CONDUCT REGULATIONS

As members of the Whitworth community, all students are asked to become familiar with the values that are part of the character of the college, and to conduct themselves in accordance with these behavioral expectations. Campus life at Whitworth College is directed by three primary policies:

1. There is to be no possession, distribution or consumption of alcohol or illegal mood-altering substances on campus.
2. There is to be no cohabitation on campus. We understand the term "cohabitation" to include genital sexual participation outside marriage, and/or the spending of a night together by two people of the opposite sex who are not married to each other.
3. There is to be no violent or destructive behavior on campus. This prohibition includes such behavior as fighting, malicious vandalism, and any behavior that results in destruction or loss of property (including theft), or disruption of community life. This prohibition also includes behavior, including assault, sexual assault and sexual and racial harassment, that causes personal injury. See definition of sexual harassment on previous page. Racial harassment is defined as follows: verbal or physical conduct that disparages or demeans an individual based upon racial identity, creating an environment that interferes with work or academic performance because that environment has become demoralizing, intimidating, hostile or offensive.

These policies are based on a number of considerations that the campus community has deemed essential for the quality of life and educational pursuit desired at this Christian liberal arts college.

In accordance with the Drug-Free Schools and Communities Amendments of 1989, Whitworth College does have a drug-prevention program, outlined in the Student Handbook. More information is available from the Office of the Associate Dean of Students, in Student Life.

RULES AND REGULATIONS

It is Whitworth's expectation that each student will follow college rules and regulations as they are stated in the catalog. In instances where no appeal procedure is spelled out and the student believes that a special set of circumstances makes appeal reasonable, he or she may appeal the application of specific rules or regulations to the Office of the Academic Provost. This office will either render a decision on the appeal or refer the student to the proper office for a decision. While Whitworth College makes every effort to assist students through the academic advising system, the final responsibility for meeting all academic and graduation requirements rests with the student.

Academic Information

ACADEMIC MAJORS AND PROGRAMS

Accounting (B.A.)
American Studies (B.A.)
Art (B.A.)
Art Education (B.A.)
Arts Administration (B.A.)
Bachelor of Liberal Studies (B.L.S.)
Biology (B.A., B.S.)
Business Management (B.A.)
Chemistry (B.A., B.S.)
Communication (B.A.)
Computer Science (B.A., B.S.)
Cross-Cultural Studies (B.A.)
Economics (B.A.)
Education (Elementary, Secondary)
Engineering (3-2)
English (B.A.)
French (B.A.)
History (B.A.)
International Business (B.A.)
International Political Economy (B.A.)
International Studies (B.A.)
Journalism (B.A.)
Kinesiology and Athletics (B.A.)
Mathematics (B.A., B.S.)
Music (B.A.)
Music Education (B.A.)
Nursing (B.S.)
Organizational Management (B.A.)
Peace Studies (B.A.)
Philosophy (B.A.)
Physics (B.A., B.S.)
Political Studies (B.A.)
Psychology (B.A.)
Religion (B.A.)
Sociology (B.A.)
Spanish (B.A.)
Speech Communication (B.A.)
Sports Medicine (B.A.)
Theatre (B.A.)
Areas of Concentration (B.A., B.S.)

ACADEMIC CREDIT AND EVALUATION

Academic credit is awarded on the basis of semester credits. One semester credit is equivalent to 14 contact hours and two hours of work outside of class for each contact hour. Evaluation of coursework is made in a variety of ways, depending on the nature of the course. Midterm grades are given to students receiving "C-", "D", or "F" grades so that there is opportunity to improve performance. Final letter grades ("A", "B", "C", "D", "F", including plus/minus option) are given in most courses, and students are informed in advance of those few courses which are evaluated on a Pass/No Credit basis. Students may choose to take one course on a Pass/No Credit basis each academic year. Core courses, Education courses and courses included in or required for majors cannot be taken on a Pass/No Credit basis.

NORMAL FULL-TIME COURSE LOAD

The normal load for full-time students is 12 to 17 semester credits in the fall and spring semesters, and three to five semester credits in the January term. The maximum allowable load in the summer is three semester credits in a three-week session and six semester credits in a six-week session. A student must average 32.5 semester credits per year to graduate in four years. Permission to enroll in more than the normal load must be approved in writing by the registrar, associate dean, or provost.

CHANGES IN REGISTRATION

Deadlines for dropping and adding classes are published in the schedule of classes each semester. Late fees will be charged for schedule changes after the first week of classes, or for finalization of day school registration beginning the first day after classes begin.

CLASS STANDING

Class standing is determined as follows:

Freshman	0-29 credits
Sophomore	30-59 semester credits
Junior	60-92 semester credits
Senior	93 and above semester credits
130 to graduate (126 for Evening/Continuing Studies students)	

GRADES AND QUALITY POINTS

The following symbols are used:

A	Superior — 4 points
A-	3.7 points
B+	3.3 points
B	Good — 3 points
B-	2.7 points
C+	2.3 points
C	Fair — 2 points
C-	1.7 points
D+	1.3 points
D	Poor — 1 point
D-	.7 points
F	Failure — 0 points
W	Official Withdrawal; does not affect GPA.
WF	Unofficial Withdrawal, usually given when student stops attending class without an official withdrawal; computed as an "F" in the GPA.
I	Incomplete, to be made up by six weeks into the next fall or spring.
I/P	In-Progress, given only when the work, by design, extends beyond the end of the term.
S	Satisfactory, given upon completion of a Satisfactory/Not Satisfactory course; does not affect GPA.
NS	Not Satisfactory, given for unsatisfactory work in a Satisfactory/Not Satisfactory Course; does not affect GPA.
P	Pass, for Pass/No Credit grading option class.
NC	No Credit, for a C-, D, or F under the Pass/No Credit grading option.
X	Grade not submitted by instructor.
AUD	Audit; does not affect GPA.

CALCULATION OF THE GRADE POINT AVERAGE

Current and cumulative grade point averages are calculated on the basis of grades earned at Whitworth College only. A student may transfer credits from another accredited institution that count toward the total required for graduation, but the student cannot transfer the grades received in those courses. The grade point average (GPA) is computed by dividing the quality points total by the total number of graded credits attempted during any given grading period. Quality points for a course are determined by multiplying the numerical equivalent of the letter grade by the credit attempted. Pass/No Credit and Satisfactory/Not Satisfactory grades are not used in computing the GPA.

PASS/NO CREDIT GRADING OPTION

Students may choose to take one P/NC course each academic year at Whitworth. Core courses, courses in the major or area of concentration, and education courses are excluded from this option. Students may elect to take PE activity courses Pass/No Credit. A grade of No Credit will be assigned in a P/NC course on the basis of a grade of C- or less. The term "Satisfactory/Not Satisfactory" is commonly used for grading internships, study tours, and specific non-graded courses.

CLASS ATTENDANCE

Class attendance is expected and may be included in the calculation of the grade for the class. To provide enrollment space for others, students who do not attend regularly scheduled class meetings during the first week of the semester/term are subject to being dropped at the discretion of the professor. However, students must not assume that instructors will automatically initiate a course drop for non-attendance. Students who register for courses they do not attend are themselves responsible for officially dropping the courses through the Registrar's Office. The consequence of not officially dropping a course is a WF (withdraw failing) grade. Students should contact the professor or teaching department if they plan to be absent any day during the first week of the semester/term. No person, other than a faculty member attending informally with the approval of the professor, may attend a Whitworth College course in which that person has not been officially registered through the Registrar's Office. A professor may allow a student to attend his or her class only if the student's name appears on the official class roster from the Registrar's Office.

HONORS

Graduation honors are:

cum laude	3.50 GPA
magna cum laude	3.75 GPA
summa cum laude	3.90 GPA

Honors must be based on at least 32 semester credits taken at Whitworth. Transfer grades are not included in honors computation. Semester honors: at the end of each fall and spring semester, all students who have registered in at least 12 semester credits for which A-F grades are given and who earn at least a 3.75 grade point average are given Dean's Honor Roll recognition. This includes a congratulatory letter from the dean, membership in the Laureate Society, and participation in its activities. These students are allowed to take two semester credits beyond the maximum of 17.0 per term (excluding Forum) free of charge. (Academic Affairs Office approval is required.)

ACADEMIC HONESTY

Just as the faculty, staff and administration of Whitworth College strive to be forthright, direct, and honest, and to value integrity in all their dealings, they expect all students to function in like manner. Students are expected to adhere to the highest standards of academic honesty and to refrain from any action which is dishonest or unethical. In all academic exercises, examinations, papers, and reports, students are expected to submit their own work. The use of the words or ideas of others is always to be indicated through an acceptable form of citation. At the beginning of each course, the faculty will reiterate this policy both verbally and in the printed course materials. Definition of plagiarism: Plagiarism occurs whenever anyone attempts to pass off as his or her own work, either verbally or in writing, the words and ideas of others. Plagiarism most often occurs in those projects that require independent preparation (outside of class); although it can occur in essay examinations, this is not generally the case. Plagiarism can be either inadvertent (a failure to understand the responsibility for acknowledgment or the means by which acknowledgment should be made) or willful (a conscious intent to deceive the reader). Definition of cheating and dry labbing: Cheating is any academic activity in which the student submits for grade or credit work that is not his or her own and/or work that has not been done within the structure and context established by the assignment. It may occur in a variety of ways: copying another student's homework, copying answers from another student's test, bringing into a test unauthorized notes or materials, copying another student's lab notes, or making up fictitious lab results (also known as "dry labbing"). All cheating is regarded as willful deception. Consequences of violations of the policy on academic honesty: The faculty member will confront the student(s) in cases of suspected violations of the policy on academic honesty and will keep a written record of the incident. The faculty member will assess the gravity of the violation and determine the consequences, which may range from a failing grade on the specific assignment to a failing grade in the course. The student has a right to appeal any faculty member's decision to the Academic Affairs Office. The faculty member will report violations of the policy, with the consequences, in writing to the affected student's academic advisor. If, after receiving one report of a violation, an academic advisor receives subsequent reports of further violations, the advisor will report these incidents to the Educational Review Board. After two reported violations of the policy on academic honesty, the Educational Review Board may suspend the student for the remainder of the current term.

ACADEMIC PROBATION AND SUSPENSION

A student is placed on academic probation at the end of any semester or term in which his/her cumulative grade point average falls below 2.00. Since probation removes a person from good academic standing, students on probation will be limited in their opportunities to participate in off-campus study programs and in extracurricular activities (varsity sports, student government, student publications and radio broadcasting, for example). Students remain on probation until their cumulative grade point average reaches the minimum 2.00 standard. Students receive an academic warning when, during any fall or spring semester, their current semester grade point average falls below 2.00 while their cumulative grade point average is 2.00 or above. Any student who receives an academic warning for two or more consecutive semesters will be reviewed by the Educational Review Board and may be placed on probation. Extracurricular activities are not limited by an academic warning. Students may be suspended at the end of any semester or term in which their semester grade point average falls below 1.00 or if, after being placed on probation, they fail to earn at least a 2.00 grade point average for the succeeding semester or term.

If there are mitigating reasons for unsatisfactory progress that result in suspension, students may appeal in writing to the Educational Review Board through the Registrar's Office. Reinstatement after any semester or term on suspension is dependent upon written application to the Educational Review Board through the Registrar's Office. The Educational Review Board may establish more stringent standards of probation and suspension for first-year students on provisional admission.

NORMAL PROGRESS AND FINANCIAL AID

The normal load for full-time students is 12 to 17 semester credits in the fall and spring semesters and three to five semester credits in the January term. Registration for less than a full-time load will prevent a student from receiving some forms of financial aid. A student must average 32.5 credits per year in order to graduate in four years. The total number of semester credits required for graduation is 130. The maximum allowable time for a financial aid recipient to complete a degree and receive aid is five and a half years. More information on satisfactory progress requirements for financial aid recipients is available in the Financial Aid Office.

ACADEMIC GRIEVANCES

It is assumed that most grievances will be resolved in conversation between a student and his/her professor or within the department involved. However, in cases where resolution is not so easily achieved, the procedures are as follows: a) The student must first seek resolution of the conflict in consultation with the professor. Before becoming involved in the matter, the associate dean for Academic Affairs will ensure that this initial exchange has taken place. b) If a satisfactory resolution is not possible in the first phase, the student may appeal in writing to the provost for adjudication in the matter. (c) Grade discrepancies must be resolved by the end of the term following the receipt of the disputed grade.

ACCEPTANCE OF TRANSFER CREDITS

A maximum of 64 semester credits may be transferred from a two-year college. Courses in which the student received a grade less than "C-", vocational-technical courses, non-college-level courses and incomplete courses are not transferable. Credit from Bible schools and non-accredited colleges are evaluated on a course-by-course basis. To meet the general education requirements, an approved associate degree must be earned prior to initial enrollment at Whitworth by the transfer student.

TRANSFER POLICIES FOR WASHINGTON COMMUNITY COLLEGES AND NORTH IDAHO COLLEGE TRANSFERS HOLDING THE ASSOCIATE OF ARTS DEGREE

A student transferring to Whitworth College with a North Idaho College associate of arts degree or with a Washington state community college associate of arts degree approved by the Intercollegiate Relations Commission for the State of Washington (ICRC) will receive the following:

1. junior standing (60 semester credits)
2. transfer credit of a maximum of 90-95 quarter credits or 60-64 semester credits
3. waiver of all general requirements, with the following exceptions:
 - a. a choice of one of the following: Core 150, Western Civilization I: The Judeo-Christian Tradition; Core 250, Western Civilization II: The Rationalist Tradition; or Core 350, Western Civilization III: The Scientific Tradition
 - b. Biblical Literature—three semester credits in the Old Testament, New Testament, or one or more books of the Bible (usually taken at Whitworth)
 - c. Foreign Language — eight semester credits, 15 quarter credits or a full year of college credit in modern foreign language will be required (accepted languages include American Sign Language)
4. transfer students are encouraged to contact the Whitworth College Registrar's Office to determine applicability of their

coursework to specific bachelor's degrees. General information can be given over the telephone (toll-free at 1-800-533-4668). A complete transcript evaluation is available by sending the request with an official copy of college transcripts to: Registrar's Office, Whitworth College, Spokane, WA 99251-0105.

TRANSCRIPT REQUEST VIA CREDIT CARD

Transcripts may be ordered via the 24-hour, 7-days-per-week request service as long as the transcript fee is paid by VISA or Mastercard. Call (509) 777-3722 and report your name, student number or social security number, address, when you last attended Whitworth College, the number of transcripts you are ordering, the addresses where you want the transcripts to be forwarded, your credit card company, your credit card number, the name on the card, and the card expiration date. There is a fee of \$4 for each transcript.

ALTERNATIVE COURSE CREDIT

A maximum of 32 alternative semester credits (48 quarter credits) may be counted toward graduation. Alternative credit includes CLEP (College Level Examination Program) and Advanced Placement credit, course challenge examinations, credit based on completion of advanced work, extension and correspondence credits, and credit for military service and schools. Contact the Registrar's Office for further information.

CLEP

Whitworth grants academic credit for sufficiently high scores on CLEP general and selected CLEP subject examinations. These cut-off scores are listed in the CEEB (College Entrance Examination Board) publication, "College Placement and Credit by Examination," which is available at most high schools and colleges, or may be obtained by contacting the Continuing Studies Office at (509) 777-3222.

ADVANCED PLACEMENT

Whitworth is an active participant in the CEEB Advanced Placement program. Any score of three or above on an AP test will give a student at least three semester credits at Whitworth, and in many cases will also satisfy a general graduation requirement and/or requirement for an academic major.

VETERANS

Whitworth College is approved for veteran training as an institution of higher education by the Higher Education Coordinating Board. The academic programs of study are approved by the Higher Education Coordinating Board's State Approving Agency (HECB/SAA) for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10, U.S. Code. The college is committed to upholding and complying with the intent of Veteran's Administration (VA) regulations. Benefit recipients must meet satisfactory progress standards in order to continue receiving benefits for study. Standards are basically the same for VA benefit recipients as for other students. Records which permit monitoring of progress are kept in the Registrar's Office. Termination of benefits will be initiated upon receipt of a withdrawal form or notification by an instructor that a student is not attending class. It is the responsibility of the benefit recipient to submit a withdrawal form to the registrar and notify the veteran's coordinator immediately upon stopping attendance in any course.

CONFIDENTIALITY

Each academic year the college informs students of the Family Educational Rights and Privacy Act of 1974, as amended. This act is designed to protect the privacy of education records, to establish the right of students to inspect and review their academic records, and to provide guidelines for the correction of inaccurate or misleading data through informal or formal hearings. Students have the right to file complaints with the FERPA Office concerning alleged failure by Whitworth College to comply with this act. The complete institutional policy statement related to the Family Educational Rights and Privacy Act of 1974 is available through the Registrar's Office.

DIRECTORY INFORMATION

At its discretion, the college may provide directory information in accordance with the provisions of the act to include student name, address, telephone number, date and place of birth, major field of study, dates of attendance, class standing, degrees and awards received, most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. Students may withhold directory information by notifying the Registrar's Office in writing within two weeks after the first day of class for each semester. This request for non-disclosure will be honored for that semester and will cover all of the information listed above.

CHANGES TO DIRECTORY INFORMATION

Name-change policy: A current or former student of Whitworth College may change any component of his or her name with proper documentation and a completed name-change request form. Types of changes may include first, middle, and last name replacements; converting an initial to the actual name; replacing a nickname; returning to a birth name, or any other name-change variation which may arise. Acceptable documentation will include a copy of a legal document such as a marriage certificate, birth certificate, divorce decree, or court order. In addition, one supporting piece of identification reflecting the change must be presented. Forms of identification may include a driver's license, social security card, or other identifying documentation deemed acceptable by the registrar. After proper identification and a completed request form are received by the Registrar's Office (300 West Hawthorne Road, Spokane, WA 99251-0105), the change will be reflected on the student's hard copy academic record, transcript and computer record.

Address change: Please notify the Office of the Registrar of any address changes by supplying your name, social security number, old address, new address and phone number.

EQUAL OPPORTUNITY POLICY

It is the policy of Whitworth College to provide equal educational opportunity without regard to age, race, color, religion, national origin, sex, marital status or disability as defined by law, in accordance with Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments Act of 1972, Sections 799A and 845 of the Public Health Services Act, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1991. In addition, Whitworth provides equal employment opportunity without regard to age, race, color, national origin, sex, marital status or disability as defined by law, in accordance with Title 49.60 of the Washington Law Against Discrimination, Equal Pay Act of 1963, Title VI and VII (as amended by the Equal Employment Opportunity Act of 1972) of the Civil Rights Act of 1964, Age Discrimination in Employment Act of 1967, Title IX of the Educational Amendments Act of 1972, Section 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans Readjustment Act of 1974, and the Americans with Disabilities Act of 1991.

Graduation Information

REQUIREMENTS FOR GRADUATION

I. Completion of an approved major or area of concentration

II. Completion of general college requirements (a minimum of 50 semester credits)

NOTE: a student may not use the same course to satisfy more than one of the general college requirements.)

A. Biblical Literature

Three semester credits chosen from the following:

RE 130	Introduction to the Bible
RE 231	Old Testament
RE 241	New Testament
RE 242	Life and Teachings of Jesus
RE 248	Mark's Gospel

A course in the Religion Department dealing with one or more books of the Bible.

B. Written Communication

Three semester credits chosen from the following:

EL 110	Writing I
EL 210	Writing II (by permission)
JR 125	Writing for Mass Media

All entering freshmen and transfer students who have not already fulfilled a freshman writing course will be given a test to ascertain their level of ability. Those freshmen scoring below the acceptable level will be required to take EL 093 (Developing Writing Skills) in their first semester at Whitworth and must earn a grade of "C" or above in this course before they may take one of the above-listed courses to meet the written communication requirement. Students not earning a "C" or above in EL 093 will be required to take the course again the next time it is offered.

Additionally, one designated writing-intensive course must be taken within the major program. Courses labeled with a "W" after the number meet this requirement.

C. Oral Communication

Three semester credits chosen from one of the following:

SP 113	Interpersonal Communication
SP 210	Introduction to Public Speaking
SP 223	Small Group Communication
TA 231	Performance Theory/Practice: Interpretation

An approved departmental course within one's major. (Education students must take ED 306 or 308. This requirement is waived for nursing majors.)

D. All three of the following Core courses:

CO 150	The Judeo-Christian Tradition
CO 250	The Rationalist Tradition
CO 350	The Scientific Tradition

E. Fine Arts

One of the following:

- FA 101 Introduction to the Fine Arts
- One three-semester-credit course in art, music or theatre, excluding: MU 481 Field Experience, AR 370 Elementary Art: Curriculum and Methods; MU 340 Elementary Music: Curriculum and Methods; MU 440 Music Methods in the Elementary School; Secondary Music
- Three one-semester-credit courses in music and or theatre performance

F. Foreign Language

Eight semester credits (one year beginning level) in the same language (American Sign Language allowed), or

FR 111	Intensive Elementary French, or
SN 111	Intensive Elementary Spanish, or

demonstrated proficiency based on one of the modern language competency exams administered by Whitworth College during Fall Orientation, or

following FR 101 or SN 101, FR 130/SN 130, Everyday French/Spanish, may be used to fulfill the foreign language requirement if taken before a study tour to France or Central America.

G. Humanities

Important note: A course that fulfills the humanities requirement may not also be used to fulfill the general graduation requirement in fine arts, modern languages, multicultural studies or social science.

Three semester credits chosen from the following:

Art

AR 260/360	History of Ancient Art
AR 261/361	History of Renaissance/Baroque Art
AR 260	History of Multicultural Art
AR 263/363	History of Modern/Contemporary Art
AR 264/364	History of Medieval Art

Communication Studies

SP 347W	History and Theory of Rhetoric
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English

EL 125	Reading Literature
EL 205	American Literature: Eras and Modes
EL 207	British Literature to 1800
EL 208	British Literature 1800 to the Present
EL 212	Religious Themes in Modern Literature
EL 213	World Myths and Tales
EL 233	The Epic
EL 250	American Film
EL 251	Modern World Literature
EL 261	C.S. Lewis
EL 300	Domain of the Arts — San Francisco
EL 305W	Contemporary American Poetry
EL 307W	Women in American Fiction
EL 308W	Eighteenth-Century British Literature

EL 316	Saints and Sinners in 19th-Century American Fiction
EL 321W	The American Novel
EL 324	Literature and Culture of France
EL 331W	Southern Renaissance
EL 333	Literary England
EL 349W	Twentieth-Century American Literature
EL 352	World Cinema
EL 353W	Shakespeare: Early
EL 354W	Shakespeare: Late
EL 360W	Twentieth-Century British Literature
EL 362	The Bible as Literature
EL 371W	British Renaissance
EL 372W	American Renaissance
EL 374W	Seventeenth-Century British Poetry
EL 375W	Victorian Poetry
EL 376W	British Romanticism
EL 377W	Modern Poetry
EL 401	Moby Dick
EL 405W	Chaucer and Medieval Literature
EL 454W	Russian Literature
EL 455W	Milton
EL 465W	English Novel

History

HI 120	The Crusades
HI 220	Ancient and Medieval Worlds
HI 222	The Modern World
HI 235	Portraits of America
HI 297	Nonviolent Defense/Conflict Resolution
HI 320	Nineteenth-Century America
HI 374	Renaissance and Reformation
HI 375W	Early American History
HI 377	The Enlightenment
HI 488W	Ideas About History

Modern Languages

Any 300- or 400-level French, Spanish or German literature course taught at Whitworth

Music

MU 201W	Introduction to Music Literature
MU 206	History of Jazz
MU 301	Music History I
MU 302	Music History II

Philosophy

PH 110	Introduction to Philosophy
PH 261	C.S. Lewis
PH 305	History of Ancient Philosophy
PH 306W	History of Modern Philosophy
PH 307	History of Contemporary Philosophy
PH 309	Environmental Ethics
PH 320W	Philosophy of Religion
PH 351	Philosophical Ethics

PH 353	Existentialism
PH 421	Philosophy of Science
PH 425	Philosophy of Mind
PH 435	Social and Political Philosophy

Political Studies

PO 297	Nonviolent Defense/Conflict Resolution
PO 433W	Western Political Thought
PO 434W	American Political Thought

Religion

RE 313W	History of Christianity I
RE 314W	History of Christianity II
RE 323W	Christianity in America
RE 361	Christian Doctrine
RE 384	Christian Ethics

Theatre

TA 476W	History of Theatre I
TA 477W	History of Theatre II

H. Multicultural Studies

One approved course taken in a foreign country, or an approved off-campus course in the United States dealing with a cross-cultural encounter, or a designated multicultural studies course taken on campus. Multicultural courses are designated in the announcement of course offerings each semester. Field studies or internships with significant attention to another culture may qualify with the approval from the academic dean or the Committee for International and Multicultural Education. The following courses fulfill this requirement:

Regularly-offered on-campus courses:

BI 109	Global Environmental Issues (fulfills multicultural or half of the natural science/math requirement, but not both)
EL 107E	American Studies (international students only)
EL 235	Asian-American Literature
FR 314	French Language and Culture
FR 324	Literature and Culture of France
FR 381	Art in France
FR 409W/410W	Survey of French Literature
FR 419W/420W	French Civilization and Culture
FR 422W	Eighteenth-Century French Literature
FR 423W	Twentieth-Century French Literature
FR 426W	Nineteenth-Century French Novel
GE 211	Living with Cultural Differences
GR 409W/410W	Survey of German Literature
HI 228	American Minority Heritage
HI 245	Cultural History of China & Japan
HI 300	Topics in Soviet/Russian Cultural History
HI 303	Study Tour in Latin America
HI 325W	History of Latin America
HI 340	Contemporary Africa

HI 341	Contemporary South Africa
HI 346	Contemporary China/East Asia
JR 362	Article and Feature Writing
MU 304	World Music Traditions
PH 256	Eastern Philosophy
PO 245	Cultural History of China & Japan
PO 340	Contemporary Africa
PO 341	Contemporary South Africa
PO 346	Contemporary China/East Asia
RU 222	Contemporary Russia
SN 409W/410W	Survey of Spanish Literature
SN 419W	Spanish-American Culture and Civilization
SN 420W	Spanish Culture and Civilization
SN 445W	Contemporary Latin-American Literature
SN 448W	Nineteenth-Century Spanish Literature
SN 451W	Golden Age Literature
SN 452W	Middle Age Spanish Literature
SN 453W	Colonial Literature
SO 307	Contemporary Latin-American Problems
SO 238	Sociology of the Middle East

Regularly offered off-campus courses:

AR 381	Art in France
AR 382	Art History in the British Isles
ED 324	Field Experience in Multicultural Education
EL 324	Literature and Culture of France
EL 333	Literary England
HI 303	Study Tour in Latin America
HI 327	Contemporary Europe
HI 341	Contemporary South Africa
HI 356	Topics in British History
JR 341	Contemporary South Africa
MU 300	Domain of the Arts — Munich/Rome
MU 313	British Culture Through Music
MU 365	Jazz Workshop in Munich/Rome
PE 339	Seminar in Sports Medicine/Japan
PO 327	Contemporary Europe
PO 341	Contemporary South Africa
PO 353	World Order Studies/Europe
PY 230	Cross-Cultural Psychology/Hawaii
PY 343	Prejudice Across America
RE 203	Biblical Backgrounds: Israel/Greece
SN 130/230/330	Intensive Oral Spanish/Aguascalientes
SO 318	Rich and Poor in Central America
SO 346	Exploring Central America: Methodology and Comparative Sociology
SO 362	Development and the Institutional Structures of Central America
TA 300	British Culture Through Theatre

I. Natural Science/Mathematics

Three credits from each of two of the following areas (non-major courses meeting this requirement are listed):

Astronomy

PS 141 Introduction to Astronomy

Biology

BI 101 Life Science
 BI 103 Human Biology
 BI 104 Human Ecology
 BI 105 Plants in Culture
 BI 106 Biology of Women
 BI 109 Global Environmental Issues (fulfills multicultural or half of the natural science/math requirement, but not both)
 BI 111 Marine Biology

Chemistry

CH 112 Chemistry and Health
 CH 122 Chemistry in Modern Living

Geology

GL 131 Understanding Earth
 GL 139 Environmental Geology

Physics

PS 121 Concepts of Physics
 PS 141 Introduction to Astronomy

Mathematics

MA 107 Basic Concepts in Modern Mathematics, or any Whitworth math course numbered 107 or greater
 Math 064, 094 and 101 do not fulfill this requirement. Courses in computer science do not fulfill this requirement.

All entering freshmen and transfer students who have not completed college-level math (at least Math 107 level) will be given a test to determine their level of ability in the areas of arithmetic and algebraic reasoning. Those freshmen scoring below the acceptable level will be required to take MA 064 (Arithmetic Review) and/or MA 094 (Introduction to Algebra) in their first semester at Whitworth and must earn a grade of "C" or above in the course(s) as part of their graduation requirement. Students not earning a "C" or above in MA 064 and/or MA 094 will be required to take the course again the next time it is offered.

J. Physical Education

Three different activity courses, at least one of which is to be chosen from the following aerobic classes:

PE 126	Foundations of Physical Activity
PE 132	Fitness Programs
PE 134	Jogging
PE 141	Water Aerobics
PE 149	Swimming for Fitness
PE 166	Aerobics

NOTE: A maximum of eight physical education activity courses may be counted toward the total credits requirement (see IV below).

K. Social Science

One three-semester-credit course in one of the following:

Economics
History (excluding HI 220, 222, 235, 297, 320, 374, 375, 377, 488)
Political Studies (excluding PO 433 and 434)
Psychology
Sociology

III. Total upper-division semester credits required: 36

IV. Total semester credits required:

Regular day students: 130
Evening/Continuing Studies students: 126

V. Residency

At least 32 semester credits must be completed in residence at Whitworth College, including the last semester of the senior year.

VI. Grade Point Average

A student must accumulate a 2.00 average in (1) all Whitworth courses, and (2) all courses in the declared major or area of concentration. Education majors must accumulate a 2.50 average both in their major or area of concentration and overall. Those with declared majors in education must attain a 2.00 in each of the courses directly related to teacher certification.

CHANGES IN GRADUATION REQUIREMENTS

The graduation requirements as published in the Whitworth College Catalog in effect at the time of the student's initial enrollment are those which should be met for completion of an undergraduate degree program. However, students who withdraw from Whitworth and return after an absence of more than one year must meet the graduation requirements in effect at the time of their return; students who return within one year may remain under the conditions of the original catalog. Additional information may be obtained from the Registrar's Office.

APPLICATION FOR GRADUATION

Beginning in spring semester of the junior year, students apply for the specific degrees desired. "Application for Graduation" forms are available in the Registrar's Office. Degree audits are available prior to each registration period or upon demand. Students must petition to participate in the May ceremony if all requirements will not be completed by the end of spring semester. Detailed graduation information will be sent to all students who have applied to graduate.

DOUBLE MAJORS

A student may graduate with more than one major if all requirements are met for each major involved. There is no limitation on course overlap between two declared majors.

SECOND FIELD

A student may choose a second teaching field in preparation for secondary-level teacher certification. Particulars are noted in separate departmental listings.

REQUIREMENTS FOR A SECOND BACCALAUREATE DEGREE

A Whitworth graduate seeking a second bachelor's degree must meet the major requirements of a second major, satisfy all general education requirements in place at the time the second degree is initiated, and complete 30 units of work beyond the first degree, at least 15 of which must be taken after receiving the first degree.

A student with a bachelor's degree from another institution who pursues a B.A. or B.S. at Whitworth will be expected to meet all the major requirements, the 32-semester-credit residency requirement, and the general college requirements, and must receive a degree in a different field than the first degree.

Students seeking a second baccalaureate degree must seek the approval of their advisor and the registrar.

CHANGES IN ACADEMIC PROGRAM

Students may elect to change their major, area of concentration, or second field, but are advised to evaluate possible increases in the length of time required to graduate. Any changes of program must be requested in writing at the Registrar's Office.

COURSE NUMBERING SYSTEM

Whitworth's courses are numbered sequentially from 100 through 599. The following schedules of general and special course numbers should serve as helpful reference tools for students.

**General Course Numbers:
Lower Division**

100-199: Primarily for freshmen. (May not be taken for graduate credit)

200-299: Primarily for sophomores. (May not be taken for graduate credit)

Upper Division

300-399: Primarily for juniors and seniors. (Graduate students may count a limited number of credits.)

400-499: Primarily for seniors. (Graduate students may count a limited number of credits.)

500-599: Graduate level. (Undergraduates may enroll only with special permission.)

Special Course Numbers:

At all levels, course numbers ending in 80, 86, 91, 92, 95 or 96 indicate special courses. Particular subject matter in these courses may vary. All departments may offer these types of courses, but because not all may be listed in this catalog, students are urged to ask individual department offices for the availability of courses of the type and level desired. Their designations are:

80 - Field Study

90 - Internship

91-92 - Independent Study

95 - Teaching Assistantship

96 - Special Topics



Undergraduate Programs

CORE

Core courses are interdisciplinary, thematic courses designed to acquaint Whitworth students with the many historical forces that have shaped our patterns of thinking, defined our value commitments, and created the options of behavior and decision-making open to us today. All students are required to take Core 150 (the Judeo-Christian Tradition), Core 250 (the Rationalist Tradition), and Core 350 (the Scientific Tradition) as part of the general graduation requirements.

CO 150 WESTERN CIVILIZATION I: THE JUDEO-CHRISTIAN TRADITION (4)

A foundational course on Western Civilization with special emphasis on the Jewish-Christian tradition. Core 150 explores the diverse world views of the major world religions, the Bible, Western church history, and modern secular society. The course challenges students to form their own world views. Fall and spring semesters.

CO 250 WESTERN CIVILIZATION II: THE RATIONALIST TRADITION (4)

Core 250 is a study of the origins and development of classical humanism, and its challenges and meaning in the world today. Students explore philosophy, literature, history, and the continuing impact of ancient Greece, the Middle Ages, the Renaissance, and the Enlightenment, as well as 19th- and 20th-century challenges to rationalism and humanism. Fall and spring semesters and summer.

CO 350 WESTERN CIVILIZATION III: THE SCIENTIFIC TRADITION (4)

An exploration of the cultural, philosophical and intellectual contexts from which modern Western science emerged, Core 350 is also a study of the subsequent development of scientific methodology and the concomitant changes in the perception of the natural, material world, and of the social, environmental and moral consequences of science and technology in contemporary society. Prerequisite: completion of the general education natural science requirement. Fall and spring semesters.

FORUM

All full-time Whitworth students are enrolled in Forum for at least six semesters, for a maximum of three semester credits. Grading is "Pass/Fail," based on attendance. Transfer students enroll in Forum each semester of attendance. Forum brings together the entire campus community twice each week and for specified campus events, which will be advertised each term. By consciously relating the intellectual perspective to particular subject matter, Whitworth provides a model for the practical utility of a college education. Forum is planned by a student/faculty committee related to the Chaplain's Office, and reflects broad implications of Christian theology, intersecting all aspects of contemporary experience.

Among the participants in the 1996-97 Forum program were Staley Lecturer Kenny Marks; Hungarian folk dancers Wayne Kraft and Ildiko

Kalapacs; former Mariner Brian Holman, now affiliated with Esperanza, an organization that ministers to the poor in the Dominican Republic; History Professor Scott Finnie, of Eastern Washington University, presenting a program about the Harlem Renaissance of the '20s and '30s; and Whitworth English Professor Linda Hunt relating the story of Helga Estby, a woman who walked with her daughter across America in 1896. Forum also presented programs by Whitworth students, including the Whitworth Choir, ASWC, participants from study tours to the British Isles, France, South Africa and Central America, Christian rocker Randy Stonehill, and the Whitworth Jazz Ensemble.

GE 101,102,201,202,301,302,401,402 FORUM (1.5)

An all-college course providing opportunities for faculty and visiting lecturers to apply their disciplines and concepts to issues in our society and the world. Credit is based on attendance for a maximum of three semester credits. Forum credit does not count as part of the semester load total credits, but does count as credit toward graduation. Fall and spring semesters.

GENERAL EDUCATION

GE 125 FRESHMAN SEMINAR (1)

Presentations and discussions are designed to inform freshmen about the college's traditions and procedures and to help them become a part of the Whitworth community. Required of all first-term freshmen. Fall semester.

GE 148 PLANNING: MAJOR/CAREER (3)

Explores and defines personal interests, values, goals, and personality in relation to choosing a major. Provides specific information on career and job opportunities to help students make career choices and other major decisions. January Term.

GE 211 LIVING WITH CULTURAL DIFFERENCES (2)

Seminar addressing issues of cross-cultural living, including communication patterns, the meaning of friendship, issues of private ownership versus public access. For national students living with international roommates.

GE 330 COMMUNITY LEADERSHIP TRAINING (1)

A survey of topics related to effective community leadership, such as characteristics of community, conflict management, valuing diversity. Attention is given to development of applicable skills. Fall and spring semesters.

ART

FACULTY: Barbara Filo (Chair), Walter Grosvenor, Gordon Wilson

ADMISSION PROCESS FOR ART AND ART EDUCATION MAJORS

Submit the following to the Art Department faculty by spring of the sophomore year:

- 1) a portfolio of work
- 2) a statement of rationale for admittance and intent to commit to the art major
- 3) The junior exhibition will serve as a review of admittance.
- 4) Admittance prior to the spring semester of the sophomore year is possible, but does not negate the review process.
- 5) The Art Department faculty will consider each applicant for "full admittance" or "conditional admittance" to the art major.

For additional information, an Art Department handbook is available in the department office.



REQUIREMENTS FOR AN ART MAJOR B.A. (42)**All tracks require the following core courses: (22)**

AR 101	Drawing I	3
AR 120	Design I	3
One of the following: 3		
AR 260*	History of Ancient Art	
AR 264*	History of Medieval Art	
AR 261*	History of Renaissance/Baroque Art	3
AR 263*	History of Modern/Contemporary Art	3
AR 320	Design II	3
AR 460W	Seminar	4

*Also offered as writing-intensive at the 300 level.

PAINTING/DRAWING/PRINTMAKING TRACK (42)

Required core courses: 22		
AR 210	Painting	3
AR 499	Senior Exhibition Project	2
One of the following: 3		
AR 201	Advanced Drawing	
AR 202	Figure Drawing	
One of the following: 3		
AR 235	Introduction to Printmaking	
AR 236	Printmaking - Intaglio/Mixed	
Three of the following: 9		
AR 130	Photography I	
AR 202	Figure Drawing	
AR 211	Watercolor	
AR 224	Graphic Design I	
AR 230	Photography II	
AR 255	Sculpture	
AR 301	Drawing III	
AR 302	Figure Drawing II	
AR 310	Painting II	
AR 311	Watercolor II	
AR 324	Graphic Design II	
AR 335	Advanced Graphics I	
AR 336	Printmaking — Intaglio/Mixed II	
AR 355	Sculpture II	
AR 401	Drawing IV	
AR 402	Figure Drawing III	
AR 410	Painting IV	
AR 435	Advanced Graphics - Printmaking III	
AR 436	Printmaking — Intaglio/Mixed III	
AR 455	Sculpture III	

Approved independent study in art
Participation in the Junior Art Majors' Exhibit**MIXED MEDIA TRACK (42)**

Required core courses: 22		
AR 251	Mixed Media I	3
AR 499	Senior Exhibition Project	2
Four of the following: 12		
AR 140	Ceramics (Wheel)	
AR 141	Ceramics (Hand)	
AR 145	Stained Glass — Lead	
AR 146	Thincasting	
AR 147	Stained Glass — Foil	
AR 240	Ceramics II	
AR 245	Stained Glass — Lead	
AR 246	Thincasting	
AR 247	Stained Glass — Foil	
AR 255	Sculpture I	
AR 258	Jewelry I	
AR 340	Ceramics III	
AR 345	Stained Glass — Lead	
AR 346	Thincasting	
AR 347	Stained Glass — Foil	
AR 351	Mixed Media II	
AR 355	Sculpture II	
AR 358	Jewelry II	
AR 440	Ceramics IV	
AR 445	Stained Glass — Lead	
AR 446	Thincasting	
AR 447	Stained Glass — Foil	
AR 451	Mixed Media III	
AR 455	Sculpture III	

Approved independent study in art
Course in the mixed media offerings other than the student's specialty 3
Participation in the Junior Art Majors' Exhibit**REQUIREMENTS FOR AN ARTS ADMINISTRATION MAJOR — ART EMPHASIS (See Music) - B.A. (44)**

AR 101	Drawing I	3
AR 120	Design I	3
AR 224	Graphic Design	3
One of the following: 3		
AR 260*	History of Ancient Art	
AR 264*	History of Medieval Art	
AR 261*	History of Renaissance/Baroque Art	3
AR 263*	History of Modern/Contemporary Art	3
*Also offered as writing-intensive at the 300 level.		
AR 320	Design II	3
AR 460W	Seminar	4
BU 230	Basic Accounting I	4
BU 374	Principles of Management	3
CS 170	Computer Information Systems	3
JR 244	Publicity and Public Relations	3
Independent Study in Arts Administration 3		
Approved Internship 3		

REQUIREMENTS FOR ART EDUCATION MAJOR - B.A.**

(41)

(K-12 endorsement)**

AR 101	Drawing I	3
AR 120	Design I	3
One of the following:		3
AR 260*	History of Ancient Art	
AR 264*	History of Medieval Art	
AR 261*	History of Renaissance/Baroque Art	3
AR 263*	History of Modern/Contemporary Art	3
*Also offered as writing-intensive at the 300 level.		
AR 320	Design II	3
AR 460W	Seminar	4
AR 351	Mixed Media I	3
AR 370	Elementary Art Curriculum and Methods	2
AR 391/392	Independent Study in Secondary Art Methods and Materials	3
Teaching Assistant		2
One approved course in painting		3
One approved course in ceramics		3
One approved course in sculpture (AR 255 OR AR 258)		3

**ART EDUCATION MAJOR: Other professional courses must also be taken from the School of Education. Please refer to the School of Education section in this catalog.

REQUIREMENTS FOR ART AS SECOND TEACHING FIELD

(23)

(K-12 endorsement)

AR 101	Drawing I	3
AR 120	Design I	3
AR 320	Design II	3
AR 370	Elementary Art: Curriculum/Methods	2
AR 391/392	Independent Study in Secondary Art Methods and Materials	3
One approved course in painting		3
Two of the following:		6
AR 260*	History of Ancient Art	
AR 264*	History of Medieval Art	
AR 261*	History of Renaissance/Baroque Art	
AR 263*	History of Modern/Contemporary Art	
*Also offered as writing-intensive at the 300 level.		

REQUIREMENTS FOR A MINOR IN ART

(18)

AR 101	Drawing I	3
AR 120	Design I	3
Two of the following:		6
AR 260*	History of Ancient Art	
AR 264*	History of Medieval Art	
AR 261*	History of Renaissance/Baroque Art	
AR 263*	History of Modern/Contemporary Art	
Two approved electives in art		6
*Also offered as writing-intensive at the 300 level.		

REQUIREMENTS FOR MINOR IN ART HISTORY (22-24)

At least 2 courses must be taken at upper-division level

AR 260*	History of Ancient Art	3
AR 264*	History of Medieval Art	3
AR 261*	History of Renaissance/Baroque Art	3
AR 263*	History of Modern/Contemporary Art	3
AR 262	History of Multicultural Art	3
*Also offered as writing-intensive at the 300 level.		
AR 460W	Seminar	4
One of the following:		3-5
AR 120	Design I	
AR 381	Art in France	
AR 382	Art History in the British Isles	
AR 492	Independent Research - Historiography	
Recommended:		
Teaching Assistant in Art History		
Internship		

FINE ARTS COURSE

FA 101 INTRODUCTION TO THE FINE ARTS (3)

Integrates the disciplines of art, music, theater and dance into an examination of the fine arts experience. Examines elements, media, expressiveness. Fall and spring semesters.

HUMANITIES COURSE

HU 200 INTRODUCTION TO THE CULTURE OF THE BRITISH ISLES (4)

This team-taught January Term course will provide a survey of the art, history and literature of England, Ireland, Scotland and Wales. Open to all students, but required for those participating in the British Isles Study Tour. Every third year in January Term preceding the tour.

ART COURSES

AR 101 DRAWING I (3)

A beginning-level course for both non-majors and majors that emphasizes the development of visual perception and drawing skills. Various materials, techniques, approaches and subject matter are used in both representational and abstract drawing. Fee. Fall and spring semesters.

AR 120 DESIGN I (3)

Studio problems involving the creative application of design elements and principles. Emphasis is on two-dimensional experiences involving line, space, shape, texture, color, etc. Fee. Fall and spring semesters.

AR 130 PHOTOGRAPHY I (3)

A beginning-level course in black and white photography using the 35mm camera. Camera use and darkroom techniques are demonstrated through a variety of visual problems. The photograph is approached as a legitimate art form in which both form and content are extensively covered. Classes include discussion, critique and visual presentation. Fee. 35mm camera necessary. Fall semester each year; spring semester, even years.

AR 140 CERAMICS (WHEELWORK) (3)

Use of potter's wheel to create three-dimensional forms, both sculptural and functional. Emphasis on design, glazing and firing techniques. Fee. Fall and spring semesters.

AR 141 CERAMICS (HANDBUILDING) (3)

Off-wheel techniques to create ceramic forms. Emphasis on expressive potential of clay, glazing and firing techniques. Fee. Spring semester.

AR 145 STAINED GLASS — LEAD (3)

Development of basic cold glass-working techniques using lead came. Techniques of designing and fabricating that have been handed down for centuries, as well as contemporary approaches. Student will complete at least two pieces of original work. Emphasis on developing good fundamental skills, understanding and techniques. Fee. AR 101 and AR 120 recommended. Fall and spring semesters.

AR 146 THINCASTING (3)

Develop creative, expressive concepts and images using a process involving epoxy and glass. This process is based upon imagery, technique and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. January Term, even years.

AR 147 STAINED GLASS — FOIL I (3)

Development of basic cold glass-working techniques using the copper foil techniques developed by Louis Tiffany. Design and fabrication of personal images and concepts. Student will complete at least two pieces of original work. Emphasis on developing good fundamental skills, understanding and techniques. Fee. AR 101, AR 120, or AR 145 recommended. Fall semester.

AR 182 CHRISTIAN ART (3)

Students design and complete works of art based upon an understanding of traditional and contemporary Christian art and symbolism. Instruction is given in design principles and the use of appropriate media and personal symbolism to complete individual art pieces. Fee. January Term.

AR 196 TOPICS IN ART (1-3)

Selected lower-division topics in art. Periodic offering.

AR 201 DRAWING II (3)

A variety of approaches using various media to solve more advanced problems in drawing. Drawings which record, visualize and/or symbolize are used to discover and begin development of personal drawing style. The figure will be the subject for some drawing problems. Fee. Prerequisite: AR 101. Spring semester, odd years.

AR 202 FIGURE DRAWING I (3)

An introductory course investigating the expressive possibilities of the human form as subject. A series of drawing problems from the live model use a variety of media and approaches, traditional and contemporary, to emphasize composition and content. Fee. Prerequisite: AR 101 or permission. Spring semester, even years.

AR 210 PAINTING I (3)

A beginning-level course emphasizing perception, composition, color theory and development of basic painting skills. A variety of techniques and approaches in oils or acrylics with various subject matter. Fee. Prerequisite: AR 101 or AR 120. Fall and spring semesters, odd years.

AR 211 WATERCOLOR I (3)

An introductory course in the transparent medium of watercolor. Explore and master basic traditional and contemporary watercolor techniques. Composition and content are emphasized in problems incorporating representational and non-objective subject matter. Fee. Prerequisite: AR 101 or AR 120 or permission. Fall semester, even years.

AR 224 GRAPHIC DESIGN I (3)

An introduction to the field of graphic design. Students will be given a chance to develop creative ideas and render them professionally. Information will be presented on available occupations and opportunities in the field. Some time will be spent on moral and legal issues within the graphics field. Classes will consist of lectures, critiques, a tour, and assignments both inside and outside class. Fee. Prerequisite: AR 120. Fall semester.

AR 225 CALLIGRAPHY (3)

Development of personal style and practical applications of calligraphy. This beginning course includes fundamentals of letter forms, spacing and layout. Emphasis is on developing good basic skills and understanding, as well as on being expressive and creative. Use of both pen and brush techniques. Fee. Fall semester, even years.

AR 230 PHOTOGRAPHY II (3)

For those who are familiar with the use of the camera and darkroom, this course challenges the student to refine and integrate technique and content. Experimentation with media and individualization of solutions to problems are encouraged. Primarily a course in black and white photography incorporating various color media. Fee. Prerequisite: AR 130. Fall semester each year; spring semester, even years.

AR 235 INTRODUCTION TO PRINTMAKING (3)

An introductory experience in working with multiples. Work may include processes from the following: silk screen, relief prints, assemblage graphs, collagraphs, mono-prints and new printmaking processes. Identification, matting and presentation of prints included. Fee. AR 101 or AR 120 recommended. Spring semester, even years.

AR 236 PRINTMAKING — INTAGLIO/MIXED (3)

An introductory printmaking course emphasizing traditional zinc plate intaglio techniques (hardground and softground etching, aquatint, and engraving). These multiples are combined with opaque and transparent paint media and more direct processes such as embossing, monoprint, collage, etc., to create contemporary one-of-a-kind prints. Fee. AR 101 or AR 120 recommended. Spring semester, odd years.

AR 240 CERAMICS (WHEELWORK) II (3)

Development of form and function from knowledge accumulated from AR 140 will be studied. The making of glazes and firing of various kilns will be performed by students. Fee. Prerequisite: AR 140. Fall and spring semesters.

AR 241 CERAMICS (HANDBUILDING) II (3)

Using the techniques from AR 141, large forms will be constructed. Glaze-making and special firing for sculptural objects will be studied and applied to individual pieces. Fee. Prerequisite: AR 144. Fall semester.

AR 245 STAINED GLASS — LEAD II (3)

A continuation of AR 145. Work will include more in-depth study of design, reinforcing and sandblasting techniques. Fee. Prerequisite: AR 145 or AR 147. Fall and spring semesters.

AR 246 THINCASTING (3)

Develop creative, expressive concepts and images using a process involving epoxy and glass. This process is based upon imagery, technique, and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. January Term, even years.

AR 247 STAINED GLASS — FOIL II (3)

A continuation of AR 147. Emphasis will be on learning to work with glass to develop three-dimensional works including, but not limited to, boxes, terrariums, lamps, etc. Emphasis on quality design, form and function, and good glass techniques. Fee. Prerequisite: AR 147 or AR 145. Fall semester.

AR 251 MIXED MEDIA (3)

Exploration of three-dimensional forms as well as surface decoration techniques using a variety of mixed media techniques such as soft-sculpture, glass, collage, clay/fiber, weaver, painting and printing methods. Fee. AR 101, AR 120, AR 210, or AR 140 recommended. January Term, odd years.

AR 255 SCULPTURE I (3)

Techniques and fundamentals of sculptural composition. Figurative, abstract problems. Fee. Prerequisite: AR 101 or AR 120. Spring semester, even years.

AR 258 JEWELRY (3)

Three-dimensional design is studied as it applies to the design and aesthetics of jewelry. Fabrication techniques are emphasized. Jewelry as small-scale sculpture. Fee. Fall semester, even years.

AR 260 HISTORY OF ANCIENT ART (3)

A survey of the development of the visual arts — architecture, sculpture, painting and minor arts — in the Western world from prehistory through the Roman periods. Works of art will be studied within the historical, social, economic, political and religious context, as well as from the perspective of a formal analysis. Fee. Fall semester, odd years.

AR 261 HISTORY OF RENAISSANCE/BAROQUE ART (3)

The development of artistic expression from the early 14th century through the 18th century will be studied in this survey course. Architecture, sculpture, painting and the minor arts will be considered within both their cultural and visual contexts. Fee. AR 260 and AR 264 recommended. Spring semester, odd years.

AR 262 HISTORY OF MULTICULTURAL ART (3)

A survey course focused on the aesthetic concepts and visual expressions of various ethnic civilizations. Architecture, sculpture, painting and other artistic expressions created by native cultures of Africa, Asia, the Americas and Oceania will be considered. Emphasis will be placed on one of the listed cultures each time the course is offered. Fee. Spring semester, even years.

AR 263 HISTORY OF MODERN/CONTEMPORARY ART (3)

A historical survey tracing the roots of 20th-century contemporary art, beginning with the modern works produced in the early 19th century. A wide range of traditional, non-traditional and experimental media and techniques employed by modern and contemporary artists to create unique visual expressions will be the focus of discussion and analysis. Fee. Spring semester, even years.

AR 264 HISTORY OF MEDIEVAL ART (3)

A survey course designed to investigate the artistic developments — architecture, sculpture, painting and the minor arts (tapestry, jewelry, goldsmithing, costumes) — significant to the Early Christian through Gothic periods. Artistic expression within the context of the culture that created it is considered. Recognition of particular visual elements that distinguish one period/style of art from another is a course goal. Fee. AR 260 recommended. Fall semester, even years.

AR 301 DRAWING III (3)

Student and faculty mutually agree upon subject matter, content and media most appropriate for the continued development of personal drawing style. Periodic review and assessment of the strengths and weaknesses of drawings will be used to determine how to reach goals of content, form and quality. Fee. Prerequisite: AR 210 or AR 202. Spring semester, odd years.

AR 302 FIGURE DRAWING II (3)

The student is challenged to discover and develop a personal drawing style using the human figure as subject. Quality of form and content, effectiveness of media and approach are emphasized. Fee. Prerequisite: AR 201 or AR 202. Spring semester, even years.

AR 310 PAINTING II (3)

Advanced painting problems emphasize exploration and mastery of painting technique to achieve desired content. Fee. Fall and spring semesters, odd years.

AR 311 WATERCOLOR II (3)

Advanced problems are used to refine technique and develop personal visual statements in watercolor. Fee. Prerequisite: AR 211 or permission. Fall semester, even years.

AR 320 DESIGN II (3)

Studio problems are used to explore the elements and principles of three-dimensional design. A variety of approaches to sculptural form requires the student to explore various media using traditional and contemporary subject matter. Prerequisite: AR 120. Spring semester, odd years.

AR 324 GRAPHIC DESIGN II (3)

Advanced methods, projects with emphasis on computer-generated graphics. See AR 224. Fee. Prerequisite: AR 101, AR 224, or permission. Spring semester.

AR 325 CALLIGRAPHY II (3)

Further exploration of advanced techniques. Fee. Prerequisite: AR 225. Fall semester, even years.

AR 330 PHOTOGRAPHY III (3)

Students are assisted in designing a photographic problem resulting in a series of 12 or more related photographs. Subject matter and technique vary according to the nature of the problems of individual students. A paper accompanying the series is required. Fee. Prerequisite: AR 130. Fall semester each year; spring semester, even years.

AR 335 PRINTMAKING II (3)

Further exploration of advanced techniques. Fee. Prerequisite: AR 235 or permission of instructor. Spring semester, even years.

AR 336 PRINTMAKING — INTAGLIO/MIXED II (3)

Intermediate printmaking course combines traditional zinc plate intaglio techniques and contemporary media and approaches to create personal visual statements both as multiples and as one-of-a-kind prints. Fee. Prerequisite: AR 235 or AR 236. Spring semester, odd years.

AR 340 CERAMICS (WHEELWORK) III (3)

Studies will be directed to individual needs as determined from work done in AR 140 and AR 240. Students will exhibit work publicly. Fee. Prerequisites: AR 140 and AR 240. Fall and spring semesters.

AR 341 CERAMICS (HANDBUILDING) III (3)

Individual work will be directed at a personal level. A wide range of glaze temperatures will be studied. Students will exhibit work publicly. Fee. Prerequisites: AR 141 and AR 241. Fall semester.

AR 345 STAINED GLASS — LEAD III (3)

Building on skills and knowledge accumulated in AR 145 and AR 245, the student will design and construct at least one major piece that will include all techniques worked with previously, plus plating. Student will exhibit work publicly. Fee. Prerequisites: AR 145 and AR 245, or AR 147 and AR 247. Fall and spring semesters.

AR 346 THINCASTING (3)

Develop creative, expressive concepts and images using a process involving epoxy and glass. This process is based upon imagery, technique and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. January Term, even years.

AR 347 STAINED GLASS — FOIL III (3)

A continuation of AR 247 with emphasis on original, sculptural pieces, both functional and non-functional. Incorporation of sandblasting and plating techniques. Exhibition of work. Fee. Prerequisites: AR 147 or AR 145, AR 245. Fall semester.

AR 351 MIXED MEDIA (3)

Exploration of three-dimensional forms as well as surface decoration techniques using a variety of mixed media techniques such as soft sculpture, glass, collage, clay/fiber, weaving, painting and printing methods. Fee. Prerequisites: AR 251, AR 101, AR 120, AR 210, or AR 140 recommended. January Term, odd years.

AR 355 SCULPTURE II (3)

Study of the human form in three dimensions will be included in the course. At least three different materials will be used by each student to demonstrate knowledge and ability in sculptural expression. Fee. Prerequisites: AR 120 and AR 255. Spring semester, even years.

AR 358 JEWELRY II (3)

Additional techniques (lost wax, casting) and advanced levels of jewelry design. Emphasis on individual directions. Prerequisite: AR 258. Fall semester, even years.

AR 360W HISTORY OF ANCIENT ART (3)

Extended research in the cultural context of artistic expression during these periods: Prehistoric, Egyptian, Middle Eastern, Mediterranean, Greek and Roman. More in-depth analysis of particular works of art. Writing-intensive. Fee. Fall semester, odd years.

AR 361W HISTORY OF RENAISSANCE/BAROQUE ART (3)

Extended research in the cultural context of artistic expression during these periods: Late Gothic, Early Renaissance, High Renaissance, Mannerism, Baroque and Rococo. More in-depth analysis of particular works of art. Writing-intensive. Fee. Spring semester, odd years.

AR 363W HISTORY OF MODERN/CONTEMPORARY ART (3)

Extended research in the cultural context of artistic expression during the periods of Neoclassicism, Romanticism-Realism, Impressionism, Neo-Impressionism, Expressionism and Cubism. A variety of "isms" explored, continuing into contemporary times. More in-depth analysis of particular works of art and artists. Writing-intensive. Fee. Spring semester, even years.

AR 364W HISTORY OF MEDIEVAL ART (3)

Extended research in the cultural context of artistic expression produced in these periods: Early Christian, Byzantine, Islamic, North European migrations, Romanesque, and Gothic. More in-depth analysis of particular works of art. Writing-intensive. Fee. Fall semester, even years.

AR 370 ELEMENTARY ART: CURRICULUM AND METHODS (2)

A workshop course that emphasizes helping the student become comfortable with the art experience, working with various media, and relating the experiences and findings to elementary school children in a classroom situation. The art process, rather than the product, is stressed. Hands-on experiences with each art idea will enable the future teacher to understand the step-by-step process, including inherent problems, and to achieve the reward of the finished piece. The goal of this course is to gain an appreciation for children's art and enthusiasm for art in general. Fee. Fall and spring semesters.

AR 381 ART IN FRANCE (5)

Classes in Nice and Paris emphasize the visual arts of France, particularly from the Romantic through Contemporary periods. Students demonstrate their understanding of art studies first-hand by completing required journal entries. Side trips to Eze, Biot, Vence, Antibes, Avignon and Chartres allow viewing of paintings, sculpture, cathedrals, artists' studios and chateaux in the context of French culture. Offered only in conjunction with the full-semester Whitworth in France program. Spring semester, every third year (1998, 2001).

AR 382 ART HISTORY IN THE BRITISH ISLES (3)

A study of the visual arts, architecture, sculpture, painting, and decorative arts in England, Scotland, Wales and Ireland. Museums, galleries, cathedrals, castles and other on-site artistic expressions will offer the student a firsthand experience to study works of art in historical, cultural, and artistic contexts. Fee. Offered only in conjunction with the full-semester Whitworth British Isles Study Tour. Fall semester, every third year (1996, 1999).

AR 391/392 INDEPENDENT STUDY IN SECONDARY ART METHODS (3)

Independent studies are designed by student and instructor in all track areas of interest. Available for art education majors/minors: Observation and analysis of middle- and high-school art teachers in the classroom setting. Teaching methods, curriculum objectives/evaluation, classroom organization and exhibition are some of the areas studied. In addition, the student will explore one medium of special interest in preparation for future teaching.

AR 396 TOPICS IN ART (1-3)

Selected upper-division topics in art. Periodic offering.

AR 401 DRAWING IV (3)

The advanced drawing student takes primary responsibility for choice of media, subject matter and content in the process of drawing, often working in a series to strengthen drawings and refine quality. A contract between faculty and student outlines expectations. Fee. Prerequisite: AR 301 or AR 302. Spring semester, odd years.

AR 402 FIGURE DRAWING III (3)

Personal style is developed and refined in a series of advanced problems that the student designs in collaboration with faculty. The expectation is for high-quality drawings that make a strong visual statement. Fee. Prerequisite: AR 302. Spring semester, even years.

AR 410 PAINTING III (3)

A series of advanced problems in painting is designed by the student in collaboration with the instructor. Technical ability is refined in order to make strong visual statements. Prerequisite: AR 310. Fee. Fall and spring semesters, odd years.

AR 411 WATERCOLOR III (3)

Advanced problems emphasize the development and refinement of personal style and mastery of appropriate watercolor technique to communicate desired content. Fee. Prerequisite: AR 311 or permission. Fall semester, even years.

AR 436 PRINTMAKING — INTAGLIO/MIXED III (3)

Development and refinement of technique and personal imagery in a series of advanced printmaking problems emphasizing intaglio and mixed media. Fee. Prerequisite: AR 335 or AR 336. Spring semester, odd years.

AR 440 CERAMICS (WHEELWORK) IV (3)

Students will design studies to meet their own needs in throwing, glazing, firing and selling. Exhibition and sales of work will be required. Fee. Prerequisites: AR 140, AR 240, and AR 340. Fall and spring semesters.

AR 441 CERAMICS (HANDBUILDING) IV (3)

Each student will arrange for a commissioned piece for a local business. Designing, object-making, firing, mounting and documentation will be part of this project. Fee. Prerequisite: AR 141, AR 241, and AR 341. Fall semester.

AR 445 STAINED GLASS — LEAD IV (3)

Advanced glass techniques. Students work with instructor to design and fabricate at least two major pieces. Students required to exhibit completed works. Prerequisite: AR 345. Fall and spring semesters.

AR 446 THINCASTING (3)

Develop creative, expressive concepts and images using a process involving epoxy and glass. This process is based upon imagery, technique, and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. January Term, even years.

AR 447 STAINED GLASS — FOIL IV (3)

Special projects as developed individually with the instructor. Emphasis on creative, expressive works suitable for installation, use or exhibition. Fee. Prerequisites: AR 147 or AR 145, AR 247, and AR 347.

AR 455 SCULPTURE III (3)

Students will continue their studies into a variety of materials for their use in sculptural objects. Themes will be used to develop four to six different projects. Fee. Prerequisite: AR 355. Spring semester, even years.

AR 460W SEMINAR (4)

This capstone course is designed as a transition for the art major between art in the college setting and art beyond college. Seminar discussion and investigation will help the student gain a clearer understanding of the nature of art and the artist. Through an exchange of information, ideas and methodology with both peers and professionals, the seminar student will have the opportunity to formulate her/his own ideas, opinions, and goals for a future in art. Prerequisite: art major with junior or senior standing. Fall semester, odd years.

AR 499 SENIOR EXHIBITION PROJECT (2)

Required of all majors in painting/drawing/sculpture and mixed media tracks. Student completes and presents original artworks in an exhibition. An artist's statement, résumé, art portfolio and slides are required at the time of the exhibition. Review by faculty members. Spring semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

BIOLOGY

FACULTY: Finn Pond (Chair), Susan Bratton, Lee Anne Chaney, Dean Jacobson, Craig Tsuchida

REQUIREMENTS FOR A BIOLOGY MAJOR — B.A. (38)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
BI 175	Introductory Biochemistry	2
24 additional semester credits of approved Biology coursework* (not to include BI 204, 220, 221). For teacher certification (4-12 endorsement), BI 363 and 345 must be included.		24
CH 161	Principles of Chemistry I	3
CH 161L	Lab: Principles of Chemistry I	1
For teacher certification (4-12 endorsement) the following additional course is required :		
ED 473	Methods of Teaching Science: Secondary	2

*One writing-intensive course required.

REQUIREMENTS FOR A BIOLOGY MAJOR — B.S. (53)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
BI 175	Introductory Biochemistry	2
BI 345	Environmental Biology	4
BI 363	Genetics	4
One of the following:		4
BI 323	Animal Physiology	
BI 331	Plant Physiology	
One of the following:		3
BI 399W	Molecular Biology	
BI 412W	Advanced Cell Biology	
12 additional semester credits of approved Biology coursework (not to include BI 204, 220, 221)		12
CH 161	Principles of Chemistry I	3
CH 161L	Lab: Principles of Chemistry I	1
CH 271	Principles of Organic Chemistry	3
CH 271L	Lab: Principles of Organic Chemistry	1
PS 151	General Physics I	4
PS 153	General Physics II	4
Also required for teacher certification (4-12 endorsement):		
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR A BIOLOGY MINOR (20)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
12 semester credits of approved upper-division biology courses		12

REQUIREMENTS FOR BIOLOGY AS A SECOND TEACHING FIELD (22)

(4-12 endorsement)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
BI 345	Environmental Biology	4
BI 363	Genetics	4
4 additional semester credits of approved upper-division biology courses		4
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR SCIENCE AS A SECOND TEACHING FIELD WITH A BIOLOGY MAJOR (24)

(4-12 endorsement)

CH 161	Principles of Chemistry I	3
CH 161L	Lab: Principles of Chemistry I	1
CH 281	Principles of Chemistry II	3
CH 281L	Lab: Principles of Chemistry II	1
PS 141	Introduction to Astronomy	4
One of the following:		4
GL 131	Understanding Earth	
GL 139	Environmental Geology	
PS 151*	General Physics I	4
PS 153*	General Physics II	4

*Note: PS 151 has a prerequisite of Math 110 (Calculus I) and PS 153 has a prerequisite of MA 111 (Calculus II).

NATURAL SCIENCE COURSES

NS 201 INQUIRY SCIENCE I (3)

This course provides science content and models hands-on science instruction in an interdisciplinary, inquiry-based format. Focus is on scientific inquiry, science fact, interrelationships between science areas, and how to ask (and answer) science questions. Prerequisites: elementary education majors, sophomore standing; ED 424. Fall semester.

NS 202 INQUIRY SCIENCE II (2)

Continuation of NS 201 Inquiry Science I. Prerequisites: elementary education majors, sophomore standing; NS 201. Spring semester.

BIOLOGY COURSES

BI 101 LIFE SCIENCE (3)

Development of a contemporary understanding of the basic organization and function of biological systems, and the nature and interdependency of living organisms. Emphasis on ecological balance, evolutionary change, and biological diversity. No lab. For non-science majors. Meets half the natural science/math requirement. Periodic offering.

BI 104 HUMAN ECOLOGY (3)

Course emphasizes the nature, dynamics and interdependence of ecosystems in relation to the human "biological and cultural niche." The ecological principles of energy flow, nutrient cycling, succession, limiting factors, species diversity and symbioses are utilized to diagnose global environmental problems such as global warming, acid precipitation, ozone depletion, desertification, species extinction, deforestation and resource depletion. No lab. For non-science majors. Meets three semester credits of the natural science/math general requirement. Fall semester, even years.

BI 105 PLANTS IN CULTURE (3)

Introduction to the basic structures and life processes in plants. Survey of historical and contemporary uses of plants. Focus on ways human life is physically dependent on plants, and on the many ways human cultures reflect the specific plants available to them. No lab. For non-science majors. Meets three credits of the natural science/math general requirement. Alternates with BI 106 in January Term, even years.

BI 106 BIOLOGY OF WOMEN (3)

Structure, function and development of the human female. Comparison of male and female biology. Consideration of genetic, hormonal and neurological influences in development of form and function. Critique of cultural images of women, using biological data. No lab. For non-science majors. Meets three credits of the natural science/math general requirement. Alternates with BI 105 in January Term, even years.

BI 109 GLOBAL ENVIRONMENTAL ISSUES (3)

Evaluation of current global trends in agricultural sustainability, health risks, population growth, energy options, species extinction, habitat degradation and resource depletion. Exploration of alternative models of human progress that contrast sharply with dominant social, political and economic paradigms in other cultures. No lab. Meets either the multicultural general requirement or three credits of the natural science general requirement, but not both. Fall semester, evening only, odd years.

BI 111 MARINE BIOLOGY (3)

For non-science majors. An introduction to life in the sea. Emphasis on the diversity of marine organisms and adaptations to marine habitats, marine ecosystems and food webs. Three hours lecture per week. Meets three credits of the natural science requirement. Spring semester, odd years.

BI 150 CELL BIOLOGY (2)

A study of the organization of living matter, emphasizing molecular and cellular features. Discussion of the hierarchy of levels of organization — molecules, cells, organisms, populations — will provide the context for the detailed study of the molecular and cellular features that unify living things. Lab. Half-semester course. Fall semester.

BI 152 ANIMAL BIOLOGY (2)

Focus on the evolutionary origin, taxonomic classification and unique anatomical, physiological and behavioral adaptations of the metazoans, including the Radiata, Acoelomata, Pseudocoelomata, Mollusca, Annelida, Arthropoda, Echinodermata and Chordata. Lab. Half-semester course. Fall semester.

BI 153 PLANT BIOLOGY (2)

Consideration of the photosynthetic way of life in cyanobacteria, algae and land plants. Survey of structural and functional adaptations related to water retention and distribution, gas exchange, mineral nutrient acquisition, light absorption and energy conversion, support, reproduction, dispersal and resistance. Lab focuses on structural diversity. Half-semester course. Prerequisites recommended: BI 150, 152. Spring semester.

BI 154 MICROBIAL BIOLOGY (2)

Systematic survey of selected microbial taxa, emphasizing the distinguishing characteristics, structural and functional adaptations, metabolic specializations and life histories of eubacteria, archaeobacteria, protozoans and fungi. Lab activities focus on basic methods for isolating, growing, identifying and studying microorganisms. Half-semester course. Prerequisites recommended: BI 150, 152. Spring semester.

BI 175 INTRODUCTORY BIOCHEMISTRY (2)

Introduction for biology majors to biopolymers and metabolism. Two lecture/discussion sessions per week. No lab. Spring semester.

BI 196 TOPICS IN BIOLOGY

One-time offerings for lower-division students or for non-science majors.

BI 204 MEDICAL MICROBIOLOGY (4)

A study of the microbial world, with emphasis on the bacteria and viruses of medical importance. The basic structure and physiology of microorganisms, principles of growth and the control of growth, antibiotics, a survey of infectious disease. Lab emphasizes the use of aseptic technique, and the culture and identification of bacteria. Prerequisite: CH 163 or sophomore standing. Spring semester.

BI 220 HUMAN ANATOMY (4)

The structure of the human body, system by system. Includes the microanatomy of various tissue types. Emphasis is placed on terminology and identification. Lab work focuses on the human skeleton and dissection of the cat. For declared majors in nursing, sports medicine and kinesiology. Fee. Prerequisite: sophomore standing. Fall semester.

BI 221 HUMAN PHYSIOLOGY (4)

How the human body functions, using a systems approach. A study of nerve function and the nervous system as a whole serves as a prelude to the integration of all other systems. Lab work involves collection of data related to the student's own physiology. For declared majors in nursing, sports medicine, kinesiology and physical education. Fee. Prerequisite: BI 220. Spring semester.

BI 303 PLANT TAXONOMY (4)

History, theories and methods of classification, identification, nomenclature and description. Role of taxonomy as a biological discipline. Types of taxonomic evidence. Descriptive terminology. Survey of selected families. Lab focuses on use and construction of diagnostic keys, identification of local flora, preparation of field data records and herbarium specimens. Prerequisite: BI 150-154. Spring semester, even years.

BI 309 ENVIRONMENTAL ETHICS (3)

This course covers basic concepts such as intrinsic value, rights of nature and Christian stewardship of the environment. Case studies will include oil spills, the international agreements concerning the ozone layer, deforestation and recent environmental congresses. Cross-listed with PH 309. No lab. Prerequisite for BI credit: BI 345.

BI 323 ANIMAL PHYSIOLOGY (4)

Physiology is approached as the study of the anatomical, physiological and behavioral adaptations of animals to their particular habitats. Lectures focus on respiration in air and water, circulation, metabolism, temperature limits and thermoregulation, osmotic adaptations and excretion, and amoeboid, flagellar, ciliary and muscular movement. Students work in small groups in labs that make extensive use of computer-assisted physiological simulations. Prerequisites: BI 150-154; CH 271. Fall semester, odd years.

BI 325 INVERTEBRATE BIOLOGY (4)

A survey of multicellular invertebrate animals, with emphasis on diversity, structure and function, ecology and evolution. Prerequisites: BI 150-154. Fall semester, even years.

BI 331 PLANT PHYSIOLOGY (4)

Water relations, mineral absorption and nutrition, translocation mechanisms, respiration, photosynthesis, nitrogen metabolism, growth regulators, photomorphogenesis, senescence and stress physiology. Focus on vascular plants. Lab emphasizes whole organism responses. Prerequisites: BI 150-154, BI 175, CH 271. Spring semester, odd years.

BI 333 EVOLUTIONARY BIOLOGY (2)

A study of the evolutionary paradigm that unifies the science of biology. Origin, refinement and the contemporary form of evolutionary theory with the objective of understanding its use in organizing the data, ideas and research of the biological sciences. The study will critique some of the popular caricatures of the evolutionary paradigm. No lab. Prerequisites: BI 150-154, BI 363; junior standing recommended. Spring semester.

BI 335 CONSERVATION BIOLOGY (3)

Application of biological concepts from fields such as ecology and genetics to conservation of biodiversity of species and ecosystems. Topics include protection and restoration of endangered species and habitats, forest fragmentation, overharvest of wild species, loss of wetlands, maintaining genetic diversity and design of nature reserves. Prerequisites: BI 150,152,153,154. Fall semester, odd years.

BI 337 FIELD BOTANY (2-3)

Field, laboratory study of flora of selected regional habitats. Field trips and collection. Students work individually in the field, in addition to group trips. Field journal required. Habitat and organisms of focus will vary. Prerequisites: BI 150-154. Summer, odd years, depending on enrollment.

BI 339 INTRODUCTION TO FIELD ECOLOGY/TROPICAL (1)

Theoretical and logistical preparation for the tropical field ecology expedition the following January Term. Lectures focus on the operational principles of tropical terrestrial and marine habitats soon to be investigated in situ. No lab. Prerequisites: BI 150 - 154. Fall semester, odd years.

BI 340 FIELD ECOLOGY/TROPICAL (4)

Three weeks of ecosystem study either in Baja California's tropical desert or Central America's neotropical forests. Baja ecosystems would include gray whale calving lagoons, mangrove swamps, rocky intertidal areas rich with tropical invertebrates, and the unique southern Sonoran desert dominated by cacti, boojum and elephant trees. Several days are also devoted to tours of museums, an 18th-century Jesuit mission cathedral, and the village of Bahia de Los Angeles, with emphasis on the study of the village's cultural and historical aspects. Central American ecosystems would include lowland tropical forests, thorn forests, cloud forests, coral reefs and the examination of issues of sustainable tropical agriculture. Fulfills multicultural requirement. Prerequisites: BI 150-154, BI 339. January Term, even years.

BI 343 SYMBIOTIC BIOLOGY (3)

An in-depth consideration of associations selected to illustrate each major category of symbiosis. Partners in all five kingdoms are represented. Mechanisms by which symbioses are established, maintained and propagated are studied, along with structural, physiological and behavioral modifications characteristic of the symbionts. Ecological and evolutionary significance of such relationships is explored. Considerable focus on understanding experimental approaches used to study symbioses. Substantial literature review required. Prerequisites: BI 150-154, BI 175; junior standing recommended. January Term, odd years.

BI 345 ENVIRONMENTAL BIOLOGY (4)

Lectures focus on energy flow, nutrient cycling, succession, limiting factors, population dynamics and species diversity of major ecosystems. Field studies focus on the water, soils, plants and animals of the Little Spokane River floodplain near campus. Lab. Prerequisites: BI 150-154. Spring semester.

BI 347 ADVANCED MICROBIOLOGY (4)

Ultrastructure, metabolic variations, genetics, ecology and evolution of prokaryotic organisms. Structure and genetics of viruses. Emphasis on the importance of bacteria in the study of various biological processes, the practical and technological importance of bacteria, and the ecological significance of bacteria. Two labs per week focus on techniques for isolating, culturing, and identifying bacteria, and characterizing and studying their genetic and metabolic processes. Prerequisites: BI 150-154; BI 175 or CH 271. Fall semester, even years.

BI 354 DEVELOPMENTAL BIOLOGY (4)

Developmental processes and patterns of form and function in multicellular organisms, particularly animals. Emphasis on molecular, cellular and environmental factors regulating gene activity, cellular differentiation, and pattern formation during various developmental sequences. Descriptive, comparative and experimental lab activities focus on chordate embryology, specifically gametogenesis, fertilization, cleavage, gastrulation and organogenesis. Prerequisites: BI 150-154; CH 271; junior standing. Spring semester, even years.

BI 363 GENETICS**(4)**

Mechanisms that contribute to and maintain intraspecific diversity: meiosis, allelic segregation, chromosomal assortment, dominance-recessive allelic relationships, hybridization, multiple alleles, epistasis, linkage and recombination, polygenic inheritance and mutation. Population genetics, especially the factors that alter relative frequencies of gene pool alleles. Genetic molecules and the processes by which they are replicated, mutated and expressed. Human genetic diseases. Lab. Prerequisites: BI 150-154, BI 175 or CH 271. Fall semester.

BI 396 TOPICS IN BIOLOGY

Occasional and one-time offerings for upper-division students, such as plant anatomy, comparative vertebrate anatomy, mycology.

BI 399W MOLECULAR BIOLOGY**(3)**

Contemporary molecular genetics; the organization, storage, retrieval and transfer of genetic information at the molecular level. Topics include the chemical and physical properties of nucleic acids, DNA replication, transcription, translation, mutagenesis, DNA repair, gene regulation and expression, techniques of experimental molecular biology and applications to biotechnology. Viral, prokaryotic, and eukaryotic systems examined. No lab. Prerequisites: BI 150-154; CH 271; junior standing. Spring semester, odd years.

BI 399L LAB: MOLECULAR BIOLOGY**(1)**

Techniques for manipulation and study of DNA. Co-requisite: BI 399W. Spring semester, odd years.

BI 400 BIOLOGICAL RESEARCH**(1-4)**

Individual student experimental laboratory or field research projects. Projects to be approved by departmental faculty. Prerequisites: BI 150-154; CH 271; upper-division coursework in biology and chemistry pertinent to research project. Fall and spring semesters, January Term and summer.

BI 401 SEMINAR**(1)**

Presentation and discussion of results of literature and laboratory investigations of biological phenomena. Departmental sessions. Prerequisites: 12 credits of 300- or 400-level biology courses. Fall and spring semesters.

BI 412W ADVANCED CELL BIOLOGY**(3)**

Cell ultrastructure and molecular aspects of cell function. Emphasis on structural and molecular organization of eukaryotic cells and organelles, the regulation and compartmentalization of metabolic activities, cell cycles and reproduction, cellular differentiation and cell interactions. No lab. Prerequisites: BI 150-154; CH 271; junior standing. Fall semester, odd years.

BI 412L LAB: ADVANCED CELL BIOLOGY**(1)**

Historical and epifluorescent techniques for studying cell structure. Co-requisite: BI 412W. Fall semester, odd years.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION — INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

CHEMISTRY

FACULTY: Karen Stevens (Chair), Donald Calbreath, Tony Mega

REQUIREMENTS FOR CHEMISTRY MAJOR — B.A. (46)

One of the following:	3	
CH 161*	Principles of Chemistry I	
CH 162	Honors Principles of Chemistry I	
CH 161L	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 278	Organic Chemistry II	3
CH 278L	Organic Chemistry II Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 481	Seminar	1
CH 483	Seminar	1
Three of the following:	12	
CH 351	Inorganic Chemistry plus Lab	
CH 401W	Biochemistry I plus Lab	
Either:	CH 335W Analytical Chemistry plus Lab	
or	CH 336 Spectroscopic Analysis plus Lab	
Either:	CH 421W Thermochemistry plus Lab	
or	CH 423W Quantum Chemistry plus Lab	
MA 110	Calculus I	4
MA 111	Calculus II	4
PS 151	General Physics I	4
PS 153	General Physics II	4
For teacher certification, the following additional course is required:		
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR CHEMISTRY MAJOR — B.S. (65)

One of the following:	3
CH 161* Principles of Chemistry I	
CH 162 Honors Principles of Chemistry I	
CH 161L Principles of Chemistry I Lab	1
CH 271 Organic Chemistry I	3
CH 271L Organic Chemistry I Lab	1
CH 278 Organic Chemistry II	3
CH 278L Organic Chemistry II Lab	1
CH 281 Principles of Chemistry II	3
CH 281L Principles of Chemistry II Lab	1
CH 335W Analytical Chemistry	3
CH 335L Analytical Chemistry Lab	1
CH 336 Spectroscopic Analysis	3
CH 336L Spectroscopic Analysis Lab	1
CH 351 Inorganic Chemistry	3
CH 351L Inorganic Chemistry Lab	1
CH 401W Biochemistry I	3
CH 401L Biochemistry I Lab	1
CH 421W Thermochemistry	3
CH 421L Thermochemistry Lab	1
CH 423W Quantum Chemistry	3
CH 423L Quantum Chemistry Lab	1
CH 481 Seminar	1
CH 483 Seminar	1
Three credits of chemistry research:	3
Either:	
CH 493 Literature Preparation for Research (1)	
CH 494 Research in Chemistry (2)	
or	
CH 496 Off-Campus Research in Chemistry (3)	
MA 110 Calculus I	4
MA 111 Calculus II	4
PS 151 General Physics I	4
PS 153 General Physics II	4
One of the following:	4
MA 210 Calculus III	
PS 251W General Physics III	
For teacher certification, the following additional course is required:	
ED 473 Methods of Teaching Science: Secondary	2

TRACKS IN CHEMISTRY

Each track requires the following foundational courses:	(45)
One of the following:	3
CH 161* Principles of Chemistry I	
CH 162 Honors Principles of Chemistry I	
CH 161L Principles of Chemistry Lab	1
CH 271 Organic Chemistry I	3
CH 271L Organic Chemistry I Lab	1
CH 278 Organic Chemistry II	3
CH 278L Organic Chemistry II Lab	1
CH 281 Principles of Chemistry II	3
CH 281L Principles of Chemistry II Lab	1
CH 335W Analytical Chemistry	3
CH 335L Analytical Chemistry Lab	1
CH 336 Spectroscopic Analysis	3
CH 336L Spectroscopic Analysis Lab	1
CH 481 Seminar	1
CH 483 Seminar	1
Three credits of chemistry research:	3
Either	
CH 493 Literature Preparation for Research (1)	
CH 494 Research in Chemistry (2)	
or	
CH 496 Off-Campus Research in Chemistry (3)	
MA 110 Calculus I	4
MA 111 Calculus II	4
PS 151 General Physics I	4
PS 153 General Physics II	4

BIOCHEMISTRY TRACK

(68)

Foundational courses	45
CH 401W Biochemistry I	3
CH 401L Biochemistry I Lab	1
CH 403W Biochemistry II	3
One of the following:	4
CH 421W Thermochemistry plus Lab	
CH 423W Quantum Chemistry plus Lab	
BI 150 Cell Biology	2
BI 152 Animal Biology	2
BI 153 Plant Biology	2
BI 154 Microbial Biology	2
BI 399 Molecular Biology	3
BI 399L Molecular Biology Lab	1

PHYSICAL CHEMISTRY TRACK

(67)

Foundational courses	45
CH 421W Thermochemistry	3
CH 421L Thermochemistry Lab	1
CH 423W Quantum Chemistry	3
CH 423L Quantum Chemistry Lab	1
MA 210 Calculus III	4
MA 212 Differential Equations	3
Two additional approved math or physics courses	7

REQUIREMENTS FOR A CHEMISTRY MINOR (20)

CH 161*	Principles of Chemistry I	3
CH 161L	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
Two of the following:		8
CH 278	Organic Chemistry II plus Lab	
CH 351	Inorganic Chemistry plus Lab	
Either:	CH 335W Analytical Chemistry plus Lab	
or	CH 336 Spectroscopic Analysis plus Lab	
Either:	CH 421W Thermochemistry plus Lab	
or	CH 423W Quantum Chemistry plus Lab	

REQUIREMENTS FOR CHEMISTRY AS A SECOND TEACHING FIELD (4-12 endorsement) (22)

One of the following:		3
CH 161*	Principles of Chemistry I	
CH 162	Honors Principles of Chemistry I	
CH 161L	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
One of the following:		4
CH 335W	Analytical Chemistry plus Lab	
CH 336	Spectroscopic Analysis plus Lab	
One of the following:		4
CH 421W	Thermochemistry plus Lab	
CH 423W	Quantum Chemistry plus Lab	
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR SCIENCE AS A SECOND TEACHING FIELD FOR STUDENTS WHO HAVE A CHEMISTRY MAJOR (4-12 endorsement) (24)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
GL 131	Physical Geology	4
One of the following:		4
GL 139	Environmental Geology	
PS 141	Introduction to Astronomy	
PS 151**	General Physics I	4
PS 153**	General Physics II	4

*May be satisfied by advanced placement examinations with a score of 4 or 5. Additional documentation will be required for lab credit.

**Note: PS 151 has a prerequisite of Math 110 (Calculus I) and PS 153 has a prerequisite of MA 111 (Calculus II).

NUTRITION COURSE**NF 315 NUTRITION (3)**

Consideration of nutrients and their functions in the body. Discussion of nutrition and health, clinical applications of nutrition, facts and fallacies about diet. Prerequisite: CH 163. Fall semester.

NATURAL SCIENCE COURSES**NS 201 INQUIRY SCIENCE I (3)**

This course provides science content and models hands-on science instruction in an interdisciplinary, inquiry-based format. Focus is on scientific inquiry, science fact, interrelationships between science areas, and how to ask (and answer) science questions. Prerequisites: elementary education majors, sophomore standing; ED 424. Fall semester.

NS 202 INQUIRY SCIENCE II (2)

Continuation of NS 201 Inquiry Science I. Prerequisites: elementary education majors, sophomore standing; NS 201. Spring semester.

CHEMISTRY COURSES**CH 101 INTRODUCTION TO CHEMISTRY (3)**

An exploration of fundamental concepts in chemistry for nursing majors and other selected allied health fields. Required for science majors whose chemistry background is not adequate for initial placement in CH 161. This course is not accepted as part of any science major and is not recommended for those who wish only to meet the science general graduation requirement. Fall semester.

CH 101L INTRODUCTION TO CHEMISTRY LAB (1)

Basic laboratory practices, titration, radioisotope measurement, simple synthesis. Prerequisite: concurrent enrollment in CH 101. Fall semester.

CH 112 CHEMISTRY AND HEALTH (3)

Applications of chemical principles to concepts of health and disease. Overview of chemistry discoveries and their contributions to understanding current health issues. For non-majors. January Term, occasionally.

CH 122 CHEMISTRY IN MODERN LIVING (3)

Overview of current chemical issues, for the non-science student. Topics may include air pollution, global warming, ozone layer, acid rain, nuclear energy, solar energy, plastics, nutrition and/or pharmaceutical drugs. Basic math and algebra skills will be used. For non-majors. January term, occasionally.

CH 161 PRINCIPLES OF CHEMISTRY I (3)

Foundational course in chemistry. Treatment of measurement concepts, atomic and molecular theories, radioactivity, chemical reactions, basic calculations. Prerequisite: one year of high school chemistry and a passing score on the mathematics proficiency examination. Students without this prerequisite must take CH 101 (Introduction to Chemistry) before electing CH 161. Fall semester.

CH 161L PRINCIPLES OF CHEMISTRY I LAB (1)

Basic laboratory techniques, simple synthesis, titration, qualitative analysis. Prerequisite: CH 161, CH 162, or concurrent enrollment. Fall semester and occasionally spring semester.

CH 162 HONORS PRINCIPLES OF CHEMISTRY I (3)

An advanced treatment of topics covered in CH 161, with emphasis on environmental applications.

CH 163 BIOORGANIC CHEMISTRY (3)

Fundamentals of organic chemistry and biochemistry for nursing students. Organic structure, isomerism, nomenclature. Properties and reactions of lipids, carbohydrates, proteins. Prerequisite: CH 101, CH 161, or CH 161. Spring semester.

CH 163 BIOORGANIC CHEMISTRY LAB (1)

Simple quantitative analysis, separation techniques, enzyme studies. Prerequisite: concurrent enrollment in CH 163. Spring semester.

CH 196 TOPICS IN CHEMISTRY (1-3)

Selected lower-division topics in chemistry. Periodic offering.

CH 271 ORGANIC CHEMISTRY I (3)

Detailed treatment of basic organic chemistry concepts. Nomenclature, conformational and structural analysis, basic reaction mechanisms. Prerequisite: CH 161 or CH 162. Spring semester.

CH 271L ORGANIC CHEMISTRY I LAB (1)

Preparation, purification and identification of organic compounds. An introduction to organic synthesis. Prerequisite: CH 271 and CH 161L. Fall semester.

CH 278 ORGANIC CHEMISTRY II (3)

Reactions of organic molecules, mechanisms of reactions and how such reactions may be employed in the synthesis of new compounds. Prerequisite: CH 271. Fall semester.

CH 278L ORGANIC CHEMISTRY II LAB (1)

Synthetic techniques for organic compounds, design of multi-step synthesis. Prerequisite: CH 278. Spring semester.

CH 281 PRINCIPLES OF CHEMISTRY II (3)

Properties of solutions, introduction to kinetics, acid-base concepts, equilibria, nuclear radioactivity, electrochemistry, and thermochemistry. Prerequisite: CH 161 or CH 162, and CH 161L. Spring semester.

CH 281L PRINCIPLES OF CHEMISTRY II LAB (1)

Titration, equilibrium constant determination, reaction kinetics, electrochemical studies. Prerequisite: concurrent enrollment in CH 281. Spring semester.

CH 335W ANALYTICAL CHEMISTRY (3)

Sampling, basic statistics, quality control, UV-visible absorption techniques, fluorescence measurements, ion-selective electrodes, atomic absorption. Prerequisite: CH 271, CH 281 (CH 278 suggested). Fall semester, odd years.

CH 335L ANALYTICAL CHEMISTRY LAB (1)

Statistical analysis of data, separation techniques, use of instrumentation in solving analytical problems. Prerequisite: concurrent enrollment in CH 335W. Fall semester, odd years.

CH 336 SPECTROSCOPIC ANALYSIS (3)

Advanced treatment of the most common spectroscopic techniques including UV-Vis, IR, NMR, and GC-MS. Prerequisite: CH 278, CH 281. Spring semester, even years.

CH 336L SPECTROSCOPIC ANALYSIS LAB (1)

Use of instrumentation in solving analytical problems. Prerequisite: concurrent enrollment in CH 336. Spring semester, even years.

CH 351 INORGANIC CHEMISTRY (3)

A study of the elements (especially metals) and their compounds. Bonding, crystal field theory, coordination compounds, organometallics, bioinorganic and descriptive inorganic chemistry. Prerequisites: CH 281 and MA 110. Spring semester, even years.

CH 351L INORGANIC CHEMISTRY LAB (1)

Approaches to synthesis of inorganic compounds. Prerequisite: concurrent enrollment in CH 351. Spring semester, even years.

CH 396 TOPICS IN CHEMISTRY (1-3)

Selected upper-division topics in chemistry. Periodic offering.

CH 401W BIOCHEMISTRY I (3)

Structure and function of classes of biochemical materials. Metabolic conversions, biochemical energy. Prerequisite: CH 271, BI 150, and BI 152 or permission. Fall semester, even years.

CH 401L BIOCHEMISTRY I LAB (1)

Separations in biochemical systems, protein structure, enzyme kinetics, study of metabolic pathways. Prerequisite: concurrent enrollment in CH 401W. Fall semester, even years.

CH 403W BIOCHEMISTRY II (3)

Membrane structure and function, active transport, receptors, metabolic control, biochemical information systems, drug action, neurochemistry, endocrine biochemistry. Prerequisite: CH 401W or permission. Spring semester, odd years.

CH 421W THERMOCHEMISTRY (3)

Kinetics, thermodynamics, liquids and solids, changes of state, phase diagrams. Prerequisites: CH 281, PS 153, and MA 111. Fall semester, even years.

CH 421L THERMOCHEMISTRY LAB (1)

Kinetic and thermodynamic studies. Prerequisite: concurrent enrollment in CH 421W. Fall semester, even years.

CH 423W QUANTUM CHEMISTRY (3)

A study of quantum mechanics and its significance in rotational, vibrational and electronic spectroscopy. Prerequisites: CH 281, PS 153 and MA 111. Spring semester, odd years.

CH 423L QUANTUM CHEMISTRY LAB (1)

Emphasis on computer-assisted quantum chemistry applications. Prerequisite: concurrent enrollment in CH 423W. Spring semester, odd years.

CH 481, 483 SEMINARS**(1)**

Discussion of current chemical topics. Student presentations, guest lectures, attendance at local scientific meetings. By permission; usually requires junior standing.

CH 493 LITERATURE PREPARATION FOR RESEARCH**(1)**

This course should be taken during the term preceding the one in which the student plans to carry out a research project. After selecting a research project with a faculty member, the student will perform a literature search and initiate ordering of any necessary chemical supplies and/or equipment needed to perform the research. By permission.

CH 494 RESEARCH IN CHEMISTRY**(2)**

Student pursuit of a laboratory problem of fundamental interest, under direct guidance of a faculty member. At the conclusion of the research, students will be required to submit their notebooks for evaluation, write a paper and undertake one of the following: make a poster display, present a seminar on the research findings, or create a computer web site of their research. By permission.

CH 496 OFF-CAMPUS RESEARCH IN CHEMISTRY**(3)**

Students may perform a research project at an off-campus facility such as another university, an industry site or a national laboratory. Forty hours of research experience are expected to be completed for each semester-credit granted. Thus, 120 hours of research work must be performed in order to earn three credits. During the semester in which the student returns to campus, he or she will be evaluated based on faculty conversations with the student's field supervisor. The student will also be expected to write a paper, and to undertake one of the following: present a seminar on the research findings, create a poster display, or create a computer web site on the research. This course can only be taken with prior faculty approval.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (280, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

COMMUNICATION STUDIES

FACULTY: Michael Ingram (Chair), Gordon Jackson, Ronald Pyle, Virginia Whitehouse

The Communication Studies Department offers a major and a minor in each of three areas: general communication, journalism, and speech communication. In addition, all majors are encouraged to take one or more of the following activity courses: Applied Journalism, Editorial and Broadcast Practicum.

REQUIREMENTS FOR A GENERAL COMMUNICATION**MAJOR — B.A.****(39-41)**

JR 125	Writing for Mass Media	3
SP 113	Interpersonal Communication	3
SP 212	Theories of Human Communication	3
Two journalism courses:		6
JR 236	Broadcast Performance	
JR 242	Editing	
<u>JR 343</u>	Layout & Design	
<u>JR 325W</u>	Reporting for Mass Media*	
JR 402	Mass Media Law	
Two speech courses:		6-8
SP 210	Introduction to Public Speaking	
<u>SP 223</u>	Small Group Communication	
<u>SP 323</u>	Organizational Communication	
<u>SP 362</u>	Argumentation and Debate	
One of the following:		3
JR 347	Mass Media History	
<u>SP 347W</u>	History and Theory of Rhetorical*	
One of the following seminars in communication issues:		3
SP/JR 396	Seminar in Communication Issues	
<u>SP 398</u>	Intercultural Communication	
One of the following:		3
JR 493W	Communication Ethics*	
<u>SP 493</u>	Communication Ethics	
One of the following:		3
JR 490	Internship	
<u>SP 490</u>	Internship	
Six semester credits of departmental electives (excluding JR 245, 246, 247, 443, 445, 446)		6

*One writing-intensive course required.

REQUIREMENTS FOR A JOURNALISM MAJOR — B.A. (39)

JR 125	Writing for Mass Media	3
JR 212	Theories of Human Communication	3
JR 236	Broadcast Production	3
JR 325W	Reporting for Mass Media	3
JR 347	Mass Media History	3
JR 402	Mass Media Law	3
JR 490	Internship	3
JR 493W	Communication Ethics	3
One of the following:		3
JR 242	Editing	
JR 343	Layout & Design	
SP 113	Interpersonal Communication	3

Upper-division journalism electives, (excluding JR 443,445,446) 3		
Two departmental electives (excluding JR 245, 246, 247, 445, 446) ... 6		

REQUIREMENTS FOR A SPEECH COMMUNICATION MAJOR —B.A. (40)

SP 113	Interpersonal Communication	3
SP 210	Introduction to Public Speaking	3
SP 212	Theories of Human Communication	3
SP 223	Small-Group Communication	4
SP 347W	History and Theory of Rhetoric	3
SP 490	Internship	3
SP 493	Communication Ethics	3
JR 125	Writing for Mass Media	3
One of the following:		3
SP 396	Seminars in Communication Issues	
SP 398	Intercultural Communication	

Upper-division speech electives 6		
Two departmental electives (excluding JR 245, 246, 247, 443, 445, 446) 6		

REQUIREMENTS FOR A JOURNALISM MINOR (15)

JR 125	Writing for Mass Media	3
JR 325W	Reporting for Mass Media	3
JR 493W	Communication Ethics	3
One of the following:		3
JR 242	Editing	
JR 343	Layout & Design	
One approved journalism course 3		

REQUIREMENTS FOR A SPEECH MINOR (15)

SP 113	Interpersonal Communication	3
SP 210	Introduction to Public Speaking	3
SP 347W	History and Theory of Rhetoric	3
Two approved speech communication courses 6		
(One approved course must be upper division.)		

REQUIREMENTS FOR A COMMUNICATION MINOR (15)

JR 125	Writing for Mass Media	3
SP 113	Interpersonal Communications	3
One of the following:		3
JR 347	Mass Media History	
SP 347W	History and Theory of Rhetoric	
One approved journalism course 3		
One approved speech communication course 3		
(One approved course must be upper division.)		

REQUIREMENTS FOR A SECOND TEACHING FIELD**Journalism (20)**

JR 125	Writing for Mass Media	3
JR 215	Mass Communication and Society	3
JR 402	Mass Media Law	3
One of the following:		3
JR 242	Editing	
JR 343	Layout & Design	

Journalism electives 7	
One activity course 1	
Media internship or equivalent amount of experience working on campus newspaper, radio station or yearbook, selected in consultation with departmental advisor.	

Speech Communication (20)

SP 113	Interpersonal Communication	3
SP 210	Introduction to Public Speaking	3
SP 223	Small-Group Communication	4
SP 362	Argumentation and Debate	4
Speech electives 6		

JOURNALISM COURSES**JR 125 WRITING FOR MASS MEDIA (3)**

News values; creativity and structure in news writing; journalistic style and format; accuracy, clarity and conciseness in writing; basic reporting and research skills, interviewing, listening, observing and note-taking. Fall and spring semesters.

JR 196 TOPICS IN JOURNALISM (1-3)

Selected lower-division topics in journalism. Periodic offering.

JR 212 THEORIES OF HUMAN COMMUNICATION (3)

A comprehensive treatment of major theoretical approaches toward understanding the production and interpretation of human communication. Offered fall semesters.

JR 215 MASS COMMUNICATION AND SOCIETY (3)

Role and influence of print and broadcast media in society, media as social institutions, effects of the media, changing media technologies. January Term.

JR 236 BROADCAST PRODUCTION (3)

Technical aspects of broadcast journalism, program production, tape/film production and editing, video camera techniques, FCC regulations. Fee. Prerequisite: JR 125 or permission. Fall semester.

- JR 242 EDITING (3)**
Evaluation, editing of various forms of print communication. Copyreading, revision, headlines. Prerequisite: JR 125 or permission. Spring semester.
- JR 244 PUBLICITY AND PUBLIC RELATIONS (3)**
Role and effect of publicity, public relations in the United States. Public relations process, public opinion polling. Development, evaluation of public relations programs. Prerequisite: JR 125. Spring semester.
- JR 245 APPLIED JOURNALISM: NEWSPAPER (1)**
Staff work on college newspaper. May be repeated for credit. Prerequisite: JR 125 or permission. Fall and spring semesters.
- JR 246 APPLIED JOURNALISM: RADIO (1)**
Staff work on college radio station. May be repeated for credit. Fee. Fall and spring semesters.
- JR 247 APPLIED JOURNALISM: YEARBOOK (1)**
Staff work on college yearbook. May be repeated for credit. Fall and spring semesters.
- JR 312 AFRICA STUDY TOUR PREP (1)**
- JR 325W REPORTING FOR MASS MEDIA (3)**
News-gathering techniques and strategies, including direct observation, participant observation and interviewing; using public records and documents, libraries and statistics; dealing with sources; polls and surveys. Prerequisite: JR 125. Fall semester.
- JR 330 TECHNICAL WRITING (3)**
Theory and practice of writing factual information in the scientific, business and technical disciplines. Prerequisite: EL 110, EL 210, or JR 125. Periodic offering.
- JR 336 BROADCAST PERFORMANCE (3)**
On-air aspects of broadcast journalism. Announcing, interviewing and discussion skills, program planning and design, video camera experience, station management. Fee. Prerequisite: JR 236. Spring semester, even years.
- JR 341 CONTEMPORARY SOUTH AFRICA (3)**
Tour includes home-stays with South African families and meetings with media, political and religious leaders. Travel extensively throughout the country, including a visit to the game reserve. Periodic offering in January Term.
- JR 343 LAYOUT AND DESIGN (3)**
Introduction to principles of page layout and design, with emphasis on preparing text and visual elements for a mass media audience by using desktop publishing techniques. Prerequisite: JR 125 or permission. Spring semester, odd years.
- JR 347 MASS MEDIA HISTORY (3)**
Origins and development of print and broadcast mass media in the United States. Prerequisite: JR/SP 212. Fall semester, even years.
- JR 362 ARTICLE AND FEATURE WRITING (3)**
Editorial writing, interpretive and critical writing, magazine writing, writing for publication. Prerequisite: JR 125. Spring semester, even years.

- JR 396 TOPICS IN COMMUNICATION (3)**
Selected topics in mass communication such as international communication, media management, propaganda. Prerequisite: JR/SP 212. Periodic offerings.
- JR 402 MASS MEDIA LAW (3)**
The First Amendment and court-protected freedom of expression, libel, right of privacy, copyright, covering government and the courts, broadcast regulation. Prerequisite: JR/SP 212. Fall semester, odd years.
- JR 443 EDITORIAL PRACTICUM: NEWSPAPER (1)**
Editorial work on college newspaper. Prerequisites: JR 245 and appointment to editorial position. May be repeated for credit. Fall and spring semesters.
- JR 445 EDITORIAL PRACTICUM: YEARBOOK (1)**
Editorial work on college yearbook. Prerequisite: JR 247 and appointment to editorial position. May be repeated for credit. Fall and spring semesters.
- JR 446 BROADCAST MANAGEMENT PRACTICUM (1)**
Management work on college radio station or cable television. Prerequisites: JR 246 and appointment to management position. May be repeated for credit. Fall and spring semesters.

- JR 493W COMMUNICATION ETHICS (3)**
Nature and criteria of ethical behavior; personal and organizational ethical issues facing the mass media, including the power of the media, news-gathering and reporting techniques, media-source relations, privacy, freedom of the press, taste, conflicting interests, fairness and objectivity. Prerequisite: JR/SP 212. Spring semester, odd years.

SPEECH COMMUNICATION COURSES

- SP 113 INTERPERSONAL COMMUNICATION (3)**
Introductory course to communication studies that surveys perception, self-concept, feedback, listening, disclosure, conflict management, language and nonverbal communication. Fall and spring semesters.
- SP 196 TOPICS IN SPEECH COMMUNICATION (1-3)**
Selected lower-division topics in speech communication. Periodic offering.
- SP 210 INTRODUCTION TO PUBLIC SPEAKING (3)**
Introductory course to speech construction and delivery. Speech skills are surveyed, including research, listening and nonverbal communication. Fall and spring semesters.
- SP 212 THEORIES OF HUMAN COMMUNICATION (3)**
A comprehensive treatment of major theoretical approaches toward understanding the production and interpretation of human communication. Fall semester.
- SP 223 SMALL-GROUP COMMUNICATION (4)**
A theoretical and practical look at group communication processes such as conflict management, decision making, group dynamics, leadership and problem solving. Fall semester.

ECONOMICS AND BUSINESS

FACULTY: Margie LaShaw (Chair), Richard Hergenrathe, Jay Kendall, Charles McKinney, Richard Schatz, George Weber

PREREQUISITES FOR ALL DEPARTMENT MAJORS AND MINORS

- 1) Prior to the sophomore year: (7)
 CS 170 Introduction to Computer Information Systems 3
 One of the following: 4
 MA 108 Finite Mathematics
 MA 109 Algebra and Trigonometry
 MA 110 Calculus I
 2) Prior to or during the junior year: (3)
 MA 356 Probability and Statistics 3

REQUIREMENTS FOR A BUSINESS MANAGEMENT MAJOR — B.A. (38)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
BU 318W	Marketing	3
BU 340	Business Law	3
BU 357	Financial Management	3
BU 374	Principles of Management	3
BU 376	Operations Management	3
BU 410	Business Policy	3
BU 425	Organizational Behavior	3
BU 450W	Social and Ethical Issues in Business	3

REQUIREMENTS FOR ACCOUNTING MAJOR — B.A. (49)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
BU 332	Cost Accounting	3
BU 334	Intermediate Accounting I	4
BU 335	Intermediate Accounting II	4
BU 336	Introduction to Taxation	3
BU 340	Business Law	3
BU 357	Financial Management	3
BU 374	Principles of Management	3
BU 434	Advanced Accounting I	3
BU 435	Advanced Accounting II	3
BU 466W	Principles of Auditing	3
One of the following:		3
BU 410	Business Policy	
BU 425	Organizational Behavior	
BU 440	Advanced Business Law	
BU 450W	Social and Ethical Issues in Business/Economics	

or a non-accounting, upper-division, department-approved elective.

REQUIREMENTS FOR AN INTERNATIONAL BUSINESS MAJOR - B.A. (44-46)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
BU 318W	Marketing	3
BU 340	Business Law	3
BU 357	Financial Management	3
BU 374	Principles of Management	3
EC 416	International Trade and Finance	3
PO 151	International Relations	3
SP 398	Intercultural Communications	3
Two intermediate-level foreign language courses		6-8
One of the following:		3
One department-approved cross-cultural experience (students with one year of study abroad may request approval for having fulfilled this requirement).		
HI 245	Cultural History of China and Japan	
HI 325W	History of Latin America	
PO 340	Contemporary Africa	
PO 341	Contemporary South Africa	
PO 346	Contemporary China and East Asia	
PO 366	Modern Russia and the Soviet Union	
SO 238	Sociology of Middle-Eastern Society	

REQUIREMENTS FOR AN ECONOMICS MAJOR — B.A. (31)

EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
BU 230	Financial Accounting	4
EC 320	Intermediate Microeconomic Analysis	3
EC 321W	Intermediate Macroeconomic Analysis	3
EC 365W	History of Economic Thought	3
Four additional approved upper-division economics courses		12

REQUIREMENTS FOR A BUSINESS MANAGEMENT MINOR (22)

BU 230	Financial Accounting	4
BU 318W	Marketing	3
BU 357	Financial Management	3
BU 374	Principles of Management	3
EC 210	Principles of Microeconomics	3
MA 356	Probability and Statistics	3
One of the following:		3
BU 332	Cost Accounting	
BU 363W	Small-Business Management	
BU 373	Human-Resource Management	
EC 301	Money and Banking	
EC 345	Economics of Social Issues	

REQUIREMENTS FOR AN ACCOUNTING MINOR (22)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
BU 332	Cost Accounting	3
BU 334	Intermediate Accounting I	4
BU 335	Intermediate Accounting II	4
One approved accounting course		3

REQUIREMENTS FOR AN ECONOMICS MINOR (22)

BU 230	Financial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
EC 320	Intermediate Microeconomic Analysis	3
EC 321W	Intermediate Macroeconomic Analysis	3
MA 356	Probability and Statistics	3
One approved upper-division economics course		3

REQUIREMENTS FOR A MARKETING MINOR (25)

BU 230	Financial Accounting	4
BU 318W	Marketing	3
EC 210	Principles of Microeconomics	3
MA 356	Probability and Statistics	3
PY 101	Principles of Psychology	3
Three of the following courses:		9
BU 338	Salesmanship	3
BU 348	Promotion and Advertising	3
BU 368	Marketing Research	3
BU 378	Marketing Management	3
BU 490	Marketing Internship	3
JR 244	Publicity and Public Relations	3

REQUIREMENTS FOR ECONOMICS AS A SECOND TEACHING FIELD (4-12 endorsement) (22)

BU 230	Financial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
EC 245/345	Economics of Social Issues	3
EC 365W	History of Economic Thought	3
Two additional approved upper-division economics courses		6

Both secondary and elementary certification candidates must meet with department chair for approval of additional required courses for a second teaching field.

BUSINESS MANAGEMENT COURSES**BU 110 INTRODUCTION TO BUSINESS (3)**

An overview of the total business enterprise in an international environment. Organization, finance, marketing, product planning, governmental influences and socially responsible management. Fall semester.

BU 196 TOPICS IN BUSINESS MANAGEMENT (1-3)

Selected lower-division topics in business management. Periodic offering.

BU 220/420 PERSONAL FINANCIAL MANAGEMENT (3)

Practical information in the handling of personal business affairs. Career planning; insurance (life, health, property); home-buying or renting; investing in stocks, bonds and real estate; estate planning. No prerequisites for lower division. Upper-division credit by permission. January Term and spring semester.

BU 230 FINANCIAL ACCOUNTING (4)

A study of the fundamental processes of accounting applied to services and merchandising proprietorships, partnerships and corporations. Analyzing, classifying and recording business transactions; preparation and analysis of financial statements. Prerequisite: MA 108. Fall and spring semester.

BU 231 MANAGERIAL ACCOUNTING (4)

Introduction to ways in which management uses accounting information for planning, pricing and controlling and for many special decision-making situations. Prerequisites: MA 108 and BU 230. Fall and spring semesters.

BU 248 COMPUTERIZED BUSINESS ANALYSIS (3)

Solutions to business problems using the computerized spreadsheet, elementary database and presentation software. Prerequisites: CS 170 and BU 230, or by permission. January Term.

BU 315 FUNDING AND GRANT WRITING (3)

Identification of potential sources and preparation of application documents. Analysis of successful grants and assistance from local resources. Fall semester.

BU 318W MARKETING (3)

A study of the issues and principles of marketing: planning and executing the organization's product, pricing, promotion and distribution of products to satisfy consumers' needs and wants. Prerequisite: BU 230 and junior standing. Fall and spring semesters.

BU 330 FUND ACCOUNTING AND BUDGET MANAGEMENT (3)

Overview of the accounting procedures associated with governmental and agency needs. Preparation of required reports and related documents, special focus on monitoring performance. Prerequisite: BU 230, or by permission. Fall semester.

BU 332 COST ACCOUNTING (3)

Emphasis on the mechanics and applications of accounting principles and concepts for planning, control and decision-making. Cost behavior, cost-volume-profit relationships, responsibility accounting, standard costing, budgeting, relevant costing for non-routine decisions, capital budgeting. Prerequisites: BU 230 and BU 231, junior standing, or by permission. Fall semester.

BU 334, 335 INTERMEDIATE ACCOUNTING I, II (4)

Modern accounting theory and practice. Analysis underlying the determination of income and asset evaluation. Analysis of financial statements; special financial accounting and reporting problems. New GAAP guidelines. Prerequisites: BU 230 and BU 231. Fall and spring semesters.

BU 336 INTRODUCTION TO TAXATION (3)

A study of the concepts involved in determination of federal income tax liability, preparation of tax returns. Individual tax problems, tax planning. Introduction to corporation taxes. Prerequisite: BU 230 and BU 231. Fall semesters.

BU 338 SALESMANSHIP (3)

Examine and practice the elements of successful professional selling, including sales skills and styles, organization, time management, ethics, prospective customer-needs analysis and proposal writing. Emphasis is on how to sell; includes student participation. Prerequisite: BU 318W, or by permission. Fall semester and January Term.

BU 340 BUSINESS LAW (3)

A consideration of the laws affecting business transactions. Introduction to law, court systems, torts, criminal law, contracts, sales and real property. Prerequisite: sophomore standing. Fall and spring semesters.

BU 348 ADVERTISING/PROMOTION (3)

An in-depth study of consumer behavior and promotion strategy. Prerequisite: BU 318W, or by permission. January Term.

BU 357 FINANCIAL MANAGEMENT (3)

Analysis of role of chief financial officer. Study of the tools of financial analysis and decision-making. Emphasis on management of revenues and expenses, assets and liabilities. Included will be raising of capital from the sale of stock and bonds. Prerequisites: BU 231, EC 210, EC 211, and junior standing. Fall and spring semesters.

BU 363W SMALL-BUSINESS MANAGEMENT (3)

Comprehensive coverage of all the operational areas involved in selecting and getting a business started. Business plans, funding, market analysis are all included. Local resources utilized to share opportunities and problems. Prerequisites: BU 230, EC 210 or EC 211, and junior standing, or by permission. Spring semester.

BU 368 MARKETING RESEARCH (3)

Study the marketing research process as applied to managerial decision-making. Included will be research design for primary and secondary data, survey methods, test marketing and questionnaire design, sampling, data analysis and presentation. Prerequisites: BU 318W and MA 356.

BU 373 HUMAN-RESOURCES MANAGEMENT (3)

Areas of management related to obtaining and maintaining effective human resources. Discussion, speakers and actual cases. Pre-requisite: junior standing, or by permission. Spring semester.

BU 374 PRINCIPLES OF MANAGEMENT (3)

A study of the theory and practice of management of organizations, with emphasis on strategy, structure, effective use of human resources, planning, organizing, integrating and controlling functions. Prerequisite: junior standing. Fall and spring semesters.

BU 396 TOPICS IN BUSINESS MANAGEMENT (3)

Selected upper-division topics in business management. Periodic offering.

BU 376 OPERATIONS MANAGEMENT (3)

Decision-making involving the management of all aspects of operations in both large- and medium-sized business organizations and in product and service companies. Study of the quantitative tools used in making these analyses and decisions. Prerequisites: MA 108, MA 356, and junior standing. BU 374 is recommended. Fall and spring semesters.

BU 378 MARKETING MANAGEMENT (3)

A study of marketing strategy, policy and programs, and of their implementation. Management of sales personnel. Prerequisite: BU 318W. January Term.

BU 410 BUSINESS POLICY (3)

Capstone course for business majors, integrating the functions of marketing, operations and finance from the strategic vantage point of the general manager. Case studies. Prerequisites: BU 357 and BU 374. Fall and spring semesters.

BU 425 ORGANIZATIONAL BEHAVIOR (3)

A general descriptive and analytical study of organizations from the behavioral science perspective. Problems of motivation, leadership, morale, social structure, groups, communications, hierarchy and control in complex organizations. Interaction among technology, environment and human behavior. Alternate theoretical models. Recommended prerequisite: BU 374. Fall and spring semester.

BU 434 ADVANCED ACCOUNTING I (3)

Emphasis on intercorporate investments and preparation of consolidated financial statements. Introduction to advanced topics and current problems in financial accounting, partnership accounting, reporting theory and practice, including foreign currency transactions. Prerequisites: BU 334 and 335. Fall semester.

BU 435 ADVANCED ACCOUNTING II (3)

A study of accounting and financial reporting standards for governmental and not-for-profit organizations. Prerequisite: BU 334 or BU 335, or by permission. Spring semester.

BU 436 ADVANCED TAXATION (3)

A continuing study of the concepts involved in determination of federal income tax liability, preparation of tax returns. Partnership and corporate tax problems, tax planning, introduction to tax research included. Prerequisite: BU 336. Spring semester.

BU 440 ADVANCED BUSINESS LAW (3)

A continuing study of the laws affecting business transactions. Introduction to commercial transactions including the Uniform Commercial Code, various advanced topics such as environmental, computer, employee and international laws. Useful for accounting majors. Prerequisite: BU 340.

BU 450W SOCIAL AND ETHICAL ISSUES IN BUSINESS AND ECONOMICS (3)

Contemporary social, political, environmental and ethical forces affecting today's business and economic world. Seminar format. Dialogue with top local business, government and union leaders. Also listed as EC 450W. Fall and spring semesters.

BU 466W PRINCIPLES OF AUDITING (3)
Standards, objectives and ethics for auditors in public accounting. Reporting standards, internal control, evidence and statistical sampling. Prerequisite: BU 334, or by permission. Spring semester.

BU 473 APPLIED HUMAN-RESOURCE MANAGEMENT (3)
Emphasis on comprehensive case analysis, presentation of special related topics and use of computer-assisted cases. Current issues covered in presentations by professionals in the field. Prerequisite: BU 373, or by permission.

ECONOMICS COURSES

EC 210 PRINCIPLES OF MICROECONOMICS (3)
Economics of the consumer and the firm; principles of market supply and demand and the determination of prices; analysis of competitive, monopolistic and oligopolistic markets; labor and other resource-input markets. Prerequisite: MA 108. Fall semester.

EC 211 PRINCIPLES OF MACROECONOMICS (3)
Examination of problems of unemployment, inflation, productivity and economic growth; measurement of national income; Keynesian and classical theories of national income determination; fiscal and monetary policies and their implications; international economics. Prerequisite: MA 108. Spring semester.

EC 245, 345 ECONOMICS OF SOCIAL ISSUES (3)
Economic thinking about social problems such as population growth, price controls, poverty, higher education, energy, crime, pollution, consumerism, health care, social and economic inequality, unemployment, inflation, taxation and the public debt. January Term.

EC 301 MONEY AND BANKING (3)
Nature, function and regulation of money and credit. Review of the financial institutions that control domestic and international monetary policy. Prerequisites: BU 230, EC 210, and EC 211. Spring semester.

EC 320 INTERMEDIATE MICROECONOMIC ANALYSIS (3)
Theory of consumer and producer behavior; determination of price under various market structures; resource allocation and income distribution; general equilibrium analysis; application of economic principles to social problems. Prerequisites: EC 210 and 211. Fall semester.

EC 321W INTERMEDIATE MACROECONOMIC ANALYSIS (3)
Analysis of Keynesian, classical and other models of national income determination; fiscal and monetary policy; evaluation of the impact of international trade and capital flows on national income; theories of economic growth; macroeconomic history of the U.S. Prerequisites: EC 210 and 211. Spring semester.

EC 345 See EC 245.

EC 355 COMPARATIVE ECONOMIC SYSTEMS (3)
Goals, behavior, performance of economic systems. Efficiency vs. equity in the adoption of systems. Stability, growth, individual freedom, social objectives. Ideologies such as individualism, collectivism, familism, and their political manifestations. Analysis of European, Japanese and Third-World economies, as well as of the American market economy. Prerequisites: EC 210 and EC 211. Spring semester.

EC 365W HISTORY OF ECONOMIC THOUGHT (3)
Origins and development of economic thought from the early Greeks through the scholastics and mercantilists; emphasis on classical economics and criticisms of it; neoclassical theory. Prerequisites: EC 210 and EC 211, or by permission. Spring semester.

EC 416 INTERNATIONAL TRADE AND FINANCE (3)
Classical and modern theories of international trade; analysis of tariffs and other trade restrictions; balance of payments; foreign exchange-rate determination; relationship between national income and balance of payments; applications to current issues in international economics. Prerequisites: EC 210 and EC 211. Fall semester.

EC 425 ECONOMIC DEVELOPMENT (3)
Theories of economic growth and development focusing on the Third World; measurement of economic development; roles of economic systems, culture, resources, human capital, technology, foreign trade, foreign aid, foreign investment; economic appraisal methodology. Prerequisites: EC 210 and EC 211. Spring semester.

EC 450W See BU 450W.

EC 470 SENIOR THESIS (3)
Taught on a tutorial basis. Preparation of research in an area of the student's interest. Prerequisite: EC 320 and EC 321W, or by permission.

ORGANIZATIONAL MANAGEMENT DEGREE-COMPLETION PROGRAM COURSES

(Courses limited to students enrolled in Adult Degree programs including Continuing Studies Degree-Completion Program. Each course is a prerequisite for the course that follows. A passing grade must be achieved in order to continue on to the next course. A failing grade (F) will necessitate withdrawal from the program.)

BU 351 GROUP DYNAMICS (3)
Course focuses on group behavior and on how group functioning affects organizational effectiveness. Emphasis on effective decision-making and conflict resolution in groups. Students develop strategies in productive group management, determining which tasks are best handled by groups and which by individuals.

BU 352 HUMAN BEHAVIOR IN ORGANIZATIONS (3)
This course is designed to provide theoretical perspectives and empirical knowledge regarding human behavior as it relates to the organization, with emphasis on various aspects of behavior, including perceptions and motivation, interpersonal relations, respecting diversity, effect of organizational climate and culture, response to increased pressures and individual effectiveness and satisfaction.

BU 353 ORGANIZATIONAL DEVELOPMENT AND CHANGE (3)
Course examines organizational development and change from several different perspectives: (1) organizational theory, (2) leadership theory and behavior, (3) learning organizations, (4) barriers to change and development, and (5) development of organizational mission and vision.

BU 354 HUMAN RESOURCE DEVELOPMENT (3)

Management of relations between an organization and its personnel; information on building and maintaining job satisfaction and career opportunities. Course will explore personnel recruitment and training, evaluation, wage and salary administration and recognition programs.

BU 355 ACCOUNTING, BUDGETING AND CONTROL (3)

This course will examine "the language of business" and provide an overview of the data-gathering, reporting and controlling processes in both the for-profit and the nonprofit organization.

EC 356 APPLIED ECONOMIC PRINCIPLES (3)

This course will examine the decision-making process of an organization from an economic perspective and will explore its application in business situations.

BU 457 EMPLOYMENT LAWS AND REGULATIONS (3)

An exploration of employment legislation as it pertains to human resource policies and practices, including affirmative action, the Occupational Safety and Health Act, equal employment opportunity, unemployment, labor and industries and workers' compensation laws.

BU 458 APPLICATION OF MANAGEMENT PRINCIPLES (3)

This course provides the student with an opportunity to apply knowledge of basic management theory and principles, including the following: decision-making, organization, leadership, motivation and conflict resolution. Supervisory problems such as disciplinary action and documentation, grievance procedures and employee accountability will also be examined.

BU 459 MANAGEMENT OF INNOVATION AND TECHNOLOGY (3)

A look at the management of technological and non-technological innovation, financing a new innovation, creativity, innovation and the environment, project management and change. Students will explore issues such as technology's effect on human resources, organizational communication, productivity and quality.

BU 460 INFORMATION MANAGEMENT AND COMMUNICATION (3)

Explores the applications and uses of management communications and information. Course focuses on writing skills necessary for effective communication within an organization, particularly in research and presentation. Provides practice in planning, organizing and delivering oral and written presentations.

BU 461 ETHICS IN MANAGEMENT (3)

Discussion of the integration of values, morals and ethical behaviors in organizations. A Christian view is stressed and examples are shared. Specific areas of study are individual decision-making, corporate policy and government control.

BU 462W APPLIED RESEARCH (3)

Various techniques, models and examples will be covered, along with a survey of library and community resources and computers. Building on a selected topic or problem in the occupational environment, each student combines his or her research with practical implementation of theories and concepts, and develops an individual project or report.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492, 591, 592); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490, 590); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

THE SCHOOL OF EDUCATION

Dennis Sterner, Dean

The School of Education at Whitworth College consists of the Department of Teacher Education, the Center for Gifted Education and Teacher Enrichment, the Department of Graduate Studies in Education, the Master in Teaching Program, and the Office of Educational Certification and Placement.

DEPARTMENT OF TEACHER EDUCATION

FACULTY: Randy Michaelis (Chair), David Cherry, Les Francis, Sharon Hartnett, Carol Hollar, Peggy Johnsen, Doris Liebert, Margo Long, Betty Malmstad, Diane Marr, Tammy Reid, Barbara Sanders, Dennis Sterner, Gordon Watanabe

UNDERGRADUATE PROGRAM

The Department of Teacher Education views the role of the teacher as a calling — as a commitment to understanding and responding compassionately to the needs of children and youth. The department has adopted for the undergraduate program Lee Shulman's model of the teacher as a learner, knower, guardian and member. Courses in the program are structured around this framework and students are encouraged by faculty members to view their future roles in each of these areas.

REQUIREMENTS FOR CERTIFICATION ELEMENTARY, K-8

I. Professional Program: Preliminary (6)

ED 205	Modern American Education	2
ED 205L	Modern American Education Lab	1
ED 212	Educational Psychology	3
Admission to Teacher-Education Program required before beginning upper-division courses.		

II. Professional Program: Upper Division (32)

A. K-8 Elementary Endorsement must include:		
ED 306	Elementary Methods and Social Studies Curriculum ..	4
ED 323	Introduction to Multicultural/Intercultural Education ..	1
ED 324	Field Experience in Multicultural Education	3
ED 365W	Special Education: Introduction to Exceptional Learners and Mainstreaming Concepts	3
ED 377	Technology in Education	2
ED 387	Methods of Teaching Reading	3
ED 421	Mathematics in the Elementary School	3
ED 424	Science in Elementary and Middle-Level Schools	2
ED 449	Dealing with Abuse and Neglect	1
AR 370	Elementary Art: Curriculum and Methods	2
MA 221	Theory of Arithmetic	4
MU 340	Elementary Music: Curriculum and Methods	2
PE 345	Elementary Physical/Health Ed: Curriculum and Methods	2

B. Professional Program: Second Teaching Field/Content in the Teaching Specialty

A certification plan with a major academic emphasis must be planned with an advisor during the sophomore year or upon admission to the upper-division program, and must include a minimum of twenty (20) semester credits in one approved academic area.

10-12 additional semester credits from academic content courses are required.

Admission to student teaching required before taking student-teaching block. Application for student teaching must be submitted one semester in advance.

III. Professional Program: Student-Teaching Block (15)

ED 410	Elementary Education Seminar	2
ED 422	Reading and Language Arts in the Elementary School ..	3
ED 496	Directed Teaching, Elementary Level	10

REQUIREMENTS FOR CERTIFICATION SECONDARY, 4-12

I. Professional Program: Preliminary (6)

ED 205	Modern American Education	2
ED 205L	Modern American Education Lab	1
ED 212	Educational Psychology	3

Admission to Teacher-Education Program required before beginning upper-division courses.

II. Professional Program: Upper Division (18-19)

A. Grades 4-12 Secondary Endorsement must include:

ED 308	Methods/Learning Resources - Secondary	4
ED 323	Introduction to Multicultural/Intercultural Education ..	1
ED 324	Field Experience in Multicultural Education	3
ED 365W	Special Education: Introduction to Exceptional Learners and Mainstreaming Concepts	3
ED 377*	Technology in Education	2
ED 416	Reading in the Secondary School	2
ED 449	Dealing with Abuse and Neglect	1
Methods of teaching major subject		2-3

B. Professional Program: Content in the Teaching Specialty (39)

An academic major (approved by both the major department and the School of Education) of at least 39 semester credits or a 24-semester-credit major and a 16-semester-credit second teaching field in a subject area commonly taught in the public schools.

Admission to student teaching required before taking student-teaching block. Application for student teaching must be submitted one semester prior to the actual experience.

III. Professional Program: Student-Teaching Block (15)

ED 461	Assessment in the Secondary Classroom	2
ED 484	Secondary Education Seminar	3
One of the following:		10
ED 497	Directed Teaching, Junior High Level or	
ED 498	Directed Teaching, Senior High Level	

NOTE: For P.E. and music majors and for special education endorsements, an additional student teaching experience at the alternative level will be required.

*Not required for music majors.

REQUIREMENTS FOR SPECIAL EDUCATION AS A SECOND TEACHING FIELD (26-27)

(K-12 endorsement)

ED 365W	Special Education: Introduction to Exceptional Learners and Mainstreaming Concepts	3
ED 467	Special Education: Assessment and Diagnosis	3
ED 468	Special Education: Curriculum and Resources	3
ED 469	Special Education: Inclusion and Consultation	3
Two approved special-education courses		4-5
ED 494*	Directed Teaching: Special Education	10

*In addition to elementary student teaching, alternate level experience required for both elementary and secondary.

REQUIREMENTS FOR ENGLISH AS A SECOND LANGUAGE (ESL) AS A SECOND TEACHING FIELD (16)

(K-12 Endorsement)

ED 323	Introduction to Multicultural/Intercultural Education ..	1
ED 325	Second-Language Acquisition	3
ED 327	ESL Methodology	3
ED 329	ESL Methods in Language Arts & Reading	3
Electives: Six semester credits of approved electives from English or		
elementary education		6

Learning a second language

One of the following experiences is required:

One year residence in a non-English-speaking country

One year of Peace Corps training and service

Native speaker of a language other than English

Eight semester credit hours of college coursework in a second language with a grade of "C" or better

For elementary teacher candidates, the six semester credits required may be taken from their endorsement in elementary education. If the teacher candidate has a supporting endorsement in English, the required additional units may be taken from that English endorsement.

Experience in an ESL setting consisting of a minimum of 50 hours is required.

For the secondary teacher candidate, the six semester credits may be taken from an endorsement in English. English is the only endorsement that secondary teachers may use to complete the requirements.

Experience in an ESL setting consisting of a minimum of 50 hours is required.

IMPORTANT NOTES FOR EDUCATION MAJORS

1. All elementary and secondary certification requirements are subject to change. Therefore, all teaching fields and programs must be approved by the Department of Teacher Education.
2. Admission to teacher education and student teaching must be approved by the Department of Teacher Education.
3. Refer to certification handbook available in the Department of Teacher Education for additional information.
4. Admission to teacher education and student teaching do not guarantee state certification.
5. WSP/FBI fingerprint check will be required prior to student teaching.
6. See Graduate Studies in Education and Master in Teaching degree program sections for graduate courses, degrees and certification programs in education.

POST-BACCALAUREATE CERTIFICATION PROGRAMS

Two teacher certification programs are available at Whitworth for people who already possess undergraduate degrees: (1) a post-baccalaureate certification program, and (2) the Master in Teaching degree program.

A post-baccalaureate certification program can be developed for people who wish to attend as full-time, part-time day, or evening students. (NOTE: Student teaching must be done full time during the day.)

The Master in Teaching degree program allows students to pursue a master's degree and teacher certification concurrently. Whitworth was the first college in Washington state to receive approval for an MIT program after state legislation permitted this option. This is an intense, selective, full-time day school graduate program that begins in June and continues for 15 months, culminating in August of the following year. Both elementary and secondary certification options are available in the MIT program. Application to the MIT program must be made four to six months prior to the starting date. (See graduate section of this catalog.)

For more information about the MIT program, contact the administrative assistant. For more information about the post-baccalaureate program, contact the coordinator of post-baccalaureate programs, School of Education.

THE CENTER FOR GIFTED EDUCATION AND TEACHER ENRICHMENT

Founder and Director: Margo Long

Located in Dixon Hall, the center provides credit classes, workshops, and consulting services to teachers and parents of the gifted. In-service training and program planning are also made available to school districts. During the summer, the center offers graduate-level short courses in a variety of grade levels and subject areas appropriate for teachers of the gifted or general school curriculum. For additional information, please contact the center during regular hours.

A master's degree with a gifted-and-talented emphasis, designed to educate teachers of all grade levels in meeting the needs of the exceptionally able learner in the regular classroom and/or other settings, is also available at Whitworth. See listing under Graduate Studies in Education for information regarding the gifted emphasis in the graduate degree plan.

TEACHER-EDUCATION COURSES

ED 196 TOPICS IN EDUCATION (1-3)

Selected lower-division topics in education. Periodic offering.

ED 205 MODERN AMERICAN EDUCATION (2)

Firsthand experience in the public schools with classroom learning about goals, philosophies and special problems facing education today. Student self-evaluation of teaching potential. Prerequisite: sophomore standing; second-semester freshmen with permission. Fall and spring semesters.

ED 205L MODERN AMERICAN EDUCATION LAB (1)

Students work three hours per week as teaching assistants in school classrooms. Journal writing is coordinated with topics in ED 205. To be taken concurrently with ED 205. Fall and spring semesters.

ED 212 EDUCATIONAL PSYCHOLOGY (3)

A study of the total person (spiritual, intellectual, emotional, psychological, physical) as related to human growth and development; educational psychology included. Self-concept, value development, responsible behavior. Child study required. Prerequisite: minimum of sophomore standing. Fall and spring semesters, summer term.

ADMISSION TO TEACHER-EDUCATION PROGRAM REQUIRED BEFORE BEGINNING UPPER-DIVISION COURSES.

ED 301 EXPLORING CHILDREN'S LITERATURE (3)

Provides exposure to a broad range of literature for children and young people. Students will learn critical skills in evaluating for appropriate literature. Classroom strategies and skills in applying literature for language literacy growth will be developed. Also listed as EL 301. Prerequisites: ED 205 and ED 212. Summer and January Terms.

ED 306 ELEMENTARY METHODS AND SOCIAL STUDIES CURRICULUM (4)

Introduction to the theories and practices of elementary teaching through field experience and micro-teaching; integrated unit and lesson planning incorporating multimedia resources and analysis of teaching/learning behaviors through the use of case studies. Focus on social studies curriculum, instruction and incorporation of appropriate technology. Includes field experience. Prerequisites: ED 205 and ED 212. Fall and spring semesters.

ED 308 METHODS AND LEARNING RESOURCES FOR SECONDARY SCHOOLS (4)

Current trends in secondary education are examined, along with learning theory, instructional objectives and strategies, classroom interaction, discipline, unit and lesson planning, AV resources. Includes field experience. Prerequisites: ED 205 and ED 212. Fall and spring semesters.

ED 323 INTRODUCTION TO MULTICULTURAL/INTERCULTURAL EDUCATION (1)

Examination of how attitudes, behaviors, and values are shaped; the nature and use of power in society; one's own values; principles of effective multicultural education; cultural influences on learning; and intercultural communication skill training. Prerequisites: ED 205 and ED 212. Fall semester.

ED 324 FIELD EXPERIENCE IN MULTICULTURAL EDUCATION (3)

Contributions, traditions and education of an American minority culture. Observation, assistance in the instruction of children, and participation in church and community life while residing in the area. Study sites include Hawaii, southeast Alaska, tribal schools in Washington and Idaho, Yakima Valley schools with migrant worker populations, inner-city locations. Prerequisites: ED 205 and ED 212. January Term, with required seminars in the previous fall (ED 323).

ED 325 SECOND-LANGUAGE ACQUISITION (3)

This introductory course provides an overview of how students acquire a first and second language. Socio-cultural and political factors affecting second-language acquisition are discussed.

ED 327 ESL METHODOLOGY (3)

In this course, the prospective teacher learns how to apply language acquisition theory to the teaching of limited-English-proficient students. Listening, speaking, reading and writing teaching strategies as well as the purpose and administration of language proficiency assessment will be introduced. Prerequisite: ED 325.

ED 329 ESL METHODS IN LANGUAGE ARTS AND READING (3)

This course focuses on strategies used for developing the literacy skills of limited-English-proficient students. The emphasis is on applying these literacy skills to the academic areas taught at the K-12 levels. Prerequisite: ED 327.

ED 365W SPECIAL EDUCATION: INTRODUCTION TO EXCEPTIONAL LEARNERS AND MAINSTREAMING CONCEPTS (3)

Students will learn the basic knowledge and skills necessary to recognize and provide for the special needs of children in educational settings. Students will be able to recognize individual differences and appropriately design and/or modify the regular classroom learning environments and experiences in response to those individual differences. Includes field experience. Also listed as ED 500A. Prerequisites: ED 205 and ED 212. Fall and spring semesters; summer term.

ED 377 TECHNOLOGY IN EDUCATION (2)

The goal of this course is to prepare participants for teaching with the technology found in today's schools. They will learn how to access information and communicate using current technology, including Internet and multi-media, and will begin developing strategies that will be applied to other education courses and in the field. Prerequisites: ED 205 and ED 212. Fall and spring semesters, summer and January Terms.

ED 387 METHODS OF TEACHING READING (3)

Processes of teaching reading, reading skills, reading comprehension and vocabulary development at the elementary level. Includes hands-on use of current published reading materials for planning reading lessons. Also listed as ED 510. Prerequisites: ED 205 and ED 212. Fall and spring semesters; summer term.

ED 394 IDEAS AND METHODS IN RELIGIOUS EDUCATION (2)

This course will explore religious education and its theological foundation, the educational basis of the nurturance of faith, and the actual development of religious educational activities used in churches. Prerequisites: ED 205 and ED 212. Periodic offering.

ED 396 TOPICS IN EDUCATION (1-3)

Selected upper-division topics in education. Prerequisites: ED 205 and ED 212. Periodic offering.

ED 410 ELEMENTARY-EDUCATION SEMINAR (2)

Part of "block" courses taken during the first month of the student-teaching semester. Emphasis on practice of various models of teaching, classroom management strategies and issues of testing and assessment. Public school law, membership in professional organizations and values and ethics related to teaching are addressed. Fall and spring semesters as part of the student-teaching block.

ED 416 READING IN THE SECONDARY SCHOOL (2)

Practical approaches and teaching strategies (for upper-elementary and secondary teachers) for teaching students how to utilize and learn from the variety of reading materials used in secondary schools. Also listed as ED 517. Prerequisites: ED 205 and ED 212. Spring semester; January Term.

ED 421 MATHEMATICS IN THE ELEMENTARY SCHOOL (3)

The student will become familiar with various learning theories, methods of teaching skills and concepts, the remediation of students' math skills, and lesson design. Includes field experience. Prerequisites: ED 205 and ED 212. Fall and spring semesters.

ED 422 READING AND LANGUAGE ARTS IN THE ELEMENTARY SCHOOL (3)

This is a course designed to be taken simultaneously with student teaching. It focuses on the development of an integrated reading/language arts thematic unit, testing and diagnosis of reading/language arts abilities, and an examination of commonly used testing procedures. Fall and spring semesters as part of student-teaching block.

ED 424 SCIENCE IN ELEMENTARY AND MIDDLE-LEVEL SCHOOLS (2)

Students will learn various methods for teaching science at the elementary and middle levels and ideas for integrating science and technology concepts into other disciplines. Included in the course are learning theories, teaching strategies, demonstration and laboratory techniques, an overview of curriculum, assessment guidelines, conducting field trips and safety considerations. Prerequisites: ED 205 and ED 212. Fall and spring semesters; summer and January Terms.

ED 449 DEALING WITH ABUSE AND NEGLECT (1)

Categories, causes and indicators of child abuse and neglect. Legal responsibilities of teachers; working within the schools and social agencies to respond to the needs of children who are victims of abuse and neglect. Prerequisite: ED 205 and ED 212. Fall and spring semesters; summer and January Terms.

ED 461 ASSESSMENT IN THE SECONDARY CLASSROOM (2)

Study and application of the basic elements of educational measurement and evaluation, including test construction, validity and reliability, interpreting test results, using portfolios, assessing performance and keeping accurate records. Fall and spring semesters as part of the student-teaching block.

ED 465 TESTS AND MEASUREMENTS (3)

Analysis of individual and group tests and their application to pupil progress. Discussion of problems encountered in constructing tests for the classroom. Prerequisites: ED 205 and ED 212. Fall semester and summer term. Also listed as ED 561.

ED 467 SPECIAL EDUCATION: ASSESSMENT AND DIAGNOSIS (3)

This course will provide an understanding of the structure of the assessment process, including the technical aspects of administering, scoring and interpreting formal tests, and designing and using informal techniques. In addition, it will provide actual experience in administering various assessment instruments available to the special education teacher. Also listed as ED 500B. Prerequisites: ED 205, ED 212 and ED 365W. Fall and spring semesters.

ED 468 SPECIAL EDUCATION: CURRICULUM AND INSTRUCTION (3)

This course will introduce regular and special education classroom teachers to materials, resources and techniques for working with students who have deficiencies in the categories of mental retardation, learning disorders and auditory and visual impairments. The main emphasis will be on ways in which the exceptional child is like other children rather than different, thus providing a common base from which individualization can emerge. Also listed as ED 500C. Prerequisites: ED 205, ED 212, ED 365W, ED 467. Fall and spring semesters.

ED 469 SPECIAL EDUCATION: INCLUSION AND CONSULTATION (3)

Students will learn to become consultants to teachers in inclusive classrooms. A large portion of class time will be experiential, to gain and practice necessary skills such as presenting in-services and current technology for use with special-needs learners. Prerequisites: ED 500A Section E/ED365 Section N, ED 500B Section E/ED 467 Section N, and ED 500C Section E/ED 468 Section N. Limit: 30 students. Spring semester.

ED 473 METHODS OF TEACHING SCIENCE IN SECONDARY SCHOOLS (2)

Methods for effective teaching of scientific content, processes and attitudes at the secondary level; management and evaluation procedures appropriate for the science classroom and laboratory. Prerequisites: ED 205, ED 212. Fall semester.

ED 473B COMPUTERS IN SCIENCE EDUCATION (2)

Hands-on experience with microcomputers and currently available educational software in natural sciences. Examples of computer-assisted instruction. No previous programming experience required. Prerequisites: two science courses or one science course and MA 221; also ED 205, ED 212, ED 424 or ED 473 (may be taken concurrently). Periodic January Terms.

ED 476B DEALING WITH CONDUCT DISORDERS (1)

Studies indicate that the average teacher gets interrupted every four to six minutes. The majority of these interruptions involve children with behavioral disturbances. This class is designed to help teachers understand and deal with children with behavioral disturbances. Prerequisites: ED 205, ED 212. Periodic January Terms.

ED 484 SECONDARY-EDUCATION SEMINAR (3)

Taken directly prior to the student-teaching experience. Principles of teaching, classroom management, discipline. Use of videotape. Fall and spring semesters as part of the student-teaching block.

DIRECTED TEACHING

Upon completion of professional education coursework, students will complete a 10-week student-teaching practicum in the public schools under the guidance of a public school teacher and a college supervisor. Prerequisites: completion of education coursework and/or permission of director of student teaching. Students must make application the semester prior to the actual experience. Fall and spring semesters.

ED 494 DIRECTED TEACHING, SPECIAL EDUCATION (10)

Elementary: After completing regular student teaching, students complete an eight-week practicum in a special education setting at the elementary level followed by a two-week alternate level experience in either junior or senior high school. Secondary: Students may combine their special-education practicum with their regular student teaching. An alternate level placement is required during January Term or summer term in an elementary setting.

ED 496 DIRECTED TEACHING, ELEMENTARY LEVEL (10)**ED 497 DIRECTED TEACHING, JUNIOR HIGH LEVEL (10)****ED 498 DIRECTED TEACHING, SENIOR HIGH LEVEL (10)****DIRECTED STUDIES**

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

ENGLISH

FACULTY: E. Victor Bobb (Chair), Laura Bloxham, Linda Hunt (Director of Composition), Marcia Erb (Director of Writing Center), Laurie Lamon, Leonard Oakland, Pamela Parker, Douglas Sugano

REQUIREMENTS FOR AN ENGLISH MAJOR — B.A.

Track I: Literature

(42)

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800	3
EL 208	British Literature Since 1800	3
EL 353W	Shakespeare: Early, or	
EL 354W	Shakespeare: Late	3
One upper-division literature course		3
One upper-division course in British literature before 1800 (Chaucer, Renaissance, Milton, Neoclassicism, etc.)		3
One upper-division course in British literature after 1800 (Romanticism, English Novel, Victorian, Modern British, etc.)		3
One upper-division course in American literature (American Renaissance, American Novel, Southern Renaissance, Modern Poetry, etc.)		3
12 additional credits from those listed above, or from other offerings that carry English credit (World Literature, Film, Linguistics, Domain of the Arts, etc.)		12
EL 498 Senior Project		3

Track II: Writing

(42)

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800	3
EL 208	British Literature Since 1800	3
EL 353W	Shakespeare: Early, or	
EL 354W	Shakespeare: Late	3
One upper-division literature course		3
EL 245	Introduction to Creative Writing	3
EL 304	Fiction Writing	3
EL 345	Poetry Writing	3
EL 346W	Essay Writing	3
One course in 20th-century literature		3
One additional writing course from the following:		3
EL 210	Writing II	
An approved journalism course		
Teaching assistantship in EL 110 or other writing course		
An approved internship in journalism, publication, etc.		
One additional approved course in English		3
EL 498W	Senior Project	3

Track III: Teaching English in Secondary School

(45+)

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800	3
EL 208	British Literature Since 1800	3
EL 353W	Shakespeare: Early, or	
EL 354W	Shakespeare: Late	3
One upper-division literature course		3
One upper-division course in American or British Literature		3
EL 388	Structure and Development of the English Language ..	3
EL 389	Methods of Teaching English in Secondary Schools	3
One of the following:		3
EL 210	Writing II	
EL 245	Introduction to Creative Writing	
EL 304	Fiction Writing	
EL 345	Poetry Writing	
EL 346W	Essay Writing	
EL 395	Teaching Assistantship in EL 110 (by permission)	

An approved second teaching field 15-32
(Consult the School of Education before choosing a second field.)
See the School of Education for certification requirements.

REQUIREMENTS FOR AN ENGLISH MINOR

(18)

(Non-teaching majors)

EL 125	Reading Literature	3
15 credits of approved English courses, including at least two upper-division literature courses (which may have prerequisites)		15

REQUIREMENTS FOR ENGLISH AS A SECOND TEACHING FIELD

(18-20)

Elementary Teacher candidate

(20)

Secondary Teacher candidate

(18)

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800, or	
EL 208	British Literature Since 1800	3
EL 388	Structure and Development of the English Language ...	3
One writing course beyond Writing I		3
Secondary Teacher candidate — one upper-division literature course (preferably Shakespeare)		3
Elementary Teacher candidate — two additional literature courses		6

REQUIREMENTS FOR LANGUAGE ARTS AS A SECOND TEACHING FIELD WITH TRACK III ENGLISH MAJOR (15)

(4-12 endorsement)

JR 125	Writing for Mass Media	3
TA 231	Oral Interpretation	3
TA 273	Acting	3
One of the following:		3
SP 113	Interpersonal Communication	
SP 210	Introduction to Public Speaking	
Three semester credits selected from the following:		3
JR 245	Applied Journalism: Whitworthian	
JR 247	Applied Journalism: Yearbook	
JR 445	Editorial Practicum	
SP 362	Argumentation and Debate	
Theatre Production Credit (TA 145/245/345/445)		
TA 270	Stage Makeup	
TA 275/375	Technical Theatre	

HUMANITIES COURSES

HU 200 INTRODUCTION TO THE CULTURE OF THE BRITISH ISLES (3)

This team-taught course provides a survey of the art, history and literature of England, Ireland, Scotland and Wales. Open to all students, but required for those participating in the British Isles Study Tour. January Term preceding the tour.

HU 302 FRENCH CIVILIZATION (2)

A survey of French history from the Gauls and Romans through the 19th century, with emphasis on the French Revolution. Required for the Semester in France study tour; open to all students. Every third fall semester; 1997.

ENGLISH COURSES

EL 093 DEVELOPING WRITING SKILLS (3)

Workshop format, stressing writing as a process, plus a grammar review. Course-load credit, but no graduation credit. Fall semester.

EL 110 WRITING I (3)

Full range of writing, from personal to persuasive essays and research papers. Grammar presented as needed. Does not count toward major, minor or elementary-education area of concentration. Fall and spring semesters.

EL 125 READING LITERATURE (3)

Introduction to literary genres: fiction, drama, poetry. Attention to Western and non-Western literature. Initial course for majors. Fall and spring semesters.

EL 196 TOPICS IN ENGLISH (1-3)

Selected lower-division topics in writing or literature. Periodic offering.

EL 205 AMERICAN LITERATURE: ERAS AND MODES (3)

Overview of the major periods, authors and representative works of American literature from the Puritans through the late 20th century. Preparation for upper division. Prerequisite: EL 125 or permission. Fall and spring semesters.

EL 207 BRITISH LITERATURE BEFORE 1800 (3)

British literature from the Anglo-Saxon period through the Renaissance and 18th century. Major period characteristics, authors and representative works. Prerequisite: EL 125 or permission. Fall semester.

EL 208 BRITISH LITERATURE SINCE 1800 (3)

British literature from the Romantic period through the 20th century. Major period characteristics, authors and representative works. Prerequisite: EL 125 or permission (EL 208 may be taken prior to EL 207). Spring semester.

EL 210 WRITING II (3)

Writing argumentative essays and research papers. Emphasis on revision. Prerequisite: EL 110 or permission. Fall and spring semesters.

EL 212 RELIGIOUS THEMES IN MODERN LITERATURE (3)

Addresses issues of personal religious discovery and response to God by modern fiction writers (e. g., Flannery O'Connor, Elie Wiesel, Shusaku Endo). Spring semester, odd years.

EL 213 WORLD MYTHS AND TALES (3)

Classic myths and fairy tales of world literature. Periodic offering.

EL 233 THE EPIC (3)

A reading of the *The Iliad*, *The Odyssey*, *The Aeneid* and *The Divine Comedy*. Characteristics of the epic in classical and medieval eras. Periodic offering.

EL 235 ASIAN-AMERICAN LITERATURE (3)

A survey of major poetry, short stories and novels by Asian-American writers. Prerequisite: EL 125 or permission. Periodic January Term offering.

EL 242 CRIME AND PUNISHMENT (3)

A dozen whodunits. A study of the genre, its subgroupings, its value as literature. Non-majors welcome. Periodic January Term offering.

EL 245 CREATIVE WRITING (3)

The writing of short fiction, drama, poetry. Workshop approach. Prerequisite: EL 125. Fall and spring semesters.

EL 250 AMERICAN FILM (3)

Introduction to basic cinema terms, history of the U.S. film industry. Discussion of values in cinema. Ten evening screenings. Film fee. Every third January Term; next offered in 1998.

EL 251 MODERN WORLD LITERATURE (3)

Short fiction and novels of European and Third-World authors after 1900. Spring semester, even years.

EL 261 C. S. LEWIS (3)

The thought of C. S. Lewis as found in his philosophical, theological and imaginative works and in the interconnections between those works. Critical evaluation of Lewis's ideas and application of those ideas to contemporary issues. Also listed as PH 261. Fall semester, even years.

EL 225 Women Writers

EL 262, 362 THE BIBLE AS LITERATURE (3)

Reading the Bible as a literary artifact: hero stories, prophetic oracles, myth, apocalypse, poetry. Use of literary criticism and its varied approaches. Periodic offering.

EL 293, 294 DIRECTED READINGS: AMERICAN LITERATURE (1)

A reading list that extends the student's knowledge of American fiction and drama. Six books. Self-paced, conference at end of term. Fall and spring semesters.

EL 300 DOMAIN OF THE ARTS (3)

Exploration of drama, poetry, dance, music, art, film. The arts in relation to society, values, faith. Humanities requirement. Other-culture credit possible. Taught in San Francisco. January Term.

EL 301 CHILDREN'S LITERATURE (3)

Reading and evaluation of a broad range of literature for children. Use of literature in the classroom and other settings. Prerequisite: EL 125. January Term.

EL 304 FICTION WRITING (3)

Advanced-level workshop in techniques of fiction. Permission of instructor required. Prerequisite: EL 245. Fall semester.

EL 305W CONTEMPORARY AMERICAN POETRY (3)

Poetry after 1955 by U.S. poets (e.g., Rich, Berryman, Lowell, Plath). Prerequisite: EL 205. Fall semester, odd years.

EL 307W WOMEN IN AMERICAN FICTION (3)

Portrayals of women in American fiction and popular literature. Female and male authors, 1870-1950. Prerequisite: EL 205. Every third fall term.

EL 308W EIGHTEENTH-CENTURY BRITISH LITERATURE (3)

Study of major 18th-century British genres, social history, major authors (e.g., Swift, Pope, Fielding, Johnson). Prerequisite: EL 207. Fall semester, odd years.

EL 316 SAINTS AND SINNERS IN 19TH-CENTURY AMERICAN FICTION (3)

Consideration of moral and ethical questions raised by a dozen major American novelists and short-story writers. Prerequisite: EL 205. Every third January Term.

EL 321W THE AMERICAN NOVEL (3)

Development of the novel in the U.S. from 1800 to 1930 (e.g., Hawthorne, Melville, Twain, Cather, Faulkner). Ten novels. Prerequisite: EL 205 or permission. Spring semester, odd years.

EL 324 LITERATURE AND CULTURE OF FRANCE (5)

Focus on French authors and culture of 18th- and 19th-century Paris. Museum visits. Part of Semester in France every third year (spring 1998).

EL 331W SOUTHERN RENAISSANCE (3)

Major 20th-century American writers from the South (e.g., Faulkner, R. P. Warren, Welty). Prerequisite: EL 205. Every third fall term; next offered in 1998.

EL 333 LITERARY ENGLAND (5)

Focus on British authors and works in relation to their settings (e.g., Shakespeare, Milton, Wordsworth, the Brontës). Part of British Isles program, every third year.

EL 344 JOURNAL WRITING AND AUTOBIOGRAPHY (3)

Practical and theoretical approaches to writing about oneself. Readings in significant autobiographies, with a developmental and historical perspective. Both journal-writing and integrative papers. Also listed as HI 344. Periodic offering.

EL 345 POETRY WRITING (3)

Advanced workshop in poetry composition, revision. Reading of current American poets. By application, portfolio. Prerequisite: EL 245. Spring semester.

EL 346W ESSAY WRITING (3)

Advanced course in expository prose: experimentation with various modes, tones, audiences. Emphasis on revision. Prerequisite: EL 110 or 210. Spring semester.

EL 349W TWENTIETH-CENTURY AMERICAN LITERATURE (3)

Major American novelists and dramatists from World War I to the present (e.g., Wharton, Faulkner, to contemporary authors). Prerequisite: EL 205. Every third fall term; next offered in 1999.

EL 352 WORLD CINEMA (3)

Major movements and filmmakers from Europe, Asia and/or the Third World since World War II: e.g., French New Wave, Bergman, Kurosawa, Latin America or Eastern Europe. Every third January Term; next offered in 1999.

EL 353W SHAKESPEARE: EARLY (3)

Studies in non-dramatic poetry, history plays, comedies and tragedies through the late 1590s. Prerequisite: EL 207 or permission. Fall semester.

EL 354W SHAKESPEARE: LATE (3)

Studies in non-dramatic poetry, history plays, comedies, tragedies and romances from the late 1590s through 1613. Prerequisite: EL 207 or permission. Spring semester.

EL 360W TWENTIETH-CENTURY BRITISH LITERATURE (3)

The fiction and drama of the British Isles, 1900 to the present (e.g., Forster, Joyce, Woolf, Greene). Prerequisite: EL 208. Fall semester, odd years.

EL 361: TWENTIETH-CENTURY BRITISH POETRY (3)

Survey of modern and contemporary British poets (Yeats and Auden). Prerequisite: EL 208. Periodic offering.

EL 362 See EL 262.

EL 371W BRITISH RENAISSANCE (3)

English literature of the 16th and 17th centuries (e.g., Spenser, Sidney, Marlowe, Donne, Herbert). Prerequisite: EL 207. Fall semester, even years.

EL 372W AMERICAN RENAISSANCE (3)

Major figures of the 19th-century renaissance in American literature, 1835-1860 (e.g., Emerson, Thoreau, Hawthorne, Melville, Whitman). Prerequisite: EL 205. Spring semester, even years.

EL 374W SEVENTEENTH-CENTURY BRITISH POETRY (3)
 English lyrics of the 17th century: metaphysical and cavalier (e.g., Donne, Herbert, Jonson, Marvell). Prerequisite: EL 207. Every third January Term; next offered in 1998.

EL 375W VICTORIAN POETRY (3)
 A seminar focusing on Tennyson and Robert Browning, plus literary and social history. Prerequisite: EL 208. Fall semester, even years.

EL 376W BRITISH ROMANTICISM (3)
 Romantic literature in an age of revolution (e.g. Blake, Wordsworth, Mary Shelley, Keats). Prerequisite: EL 208. Spring semester, odd years.

EL 377W MODERN POETRY (3)
 The revolution of Modernism in American poetry, 1910-1940 (e.g., Eliot, Pound, Williams, Stevens). Prerequisite: EL 205. Spring semester, even years.

EL 388 STRUCTURE AND DEVELOPMENT OF THE ENGLISH LANGUAGE (3)
 Review of traditional grammar, exposure to various new grammars, development of usage. Designed for prospective teachers. Prerequisite: junior standing or permission. Fall and spring semesters.

EL 389 METHODS OF TEACHING ENGLISH IN THE SECONDARY SCHOOLS (3)
 Transition from college English major to high school English teacher. Students teach literature, language, composition in simulated classroom. Use of videotape. Fall semester.

EL 393,394 DIRECTED READINGS: WORLD LITERATURE (1)
 A reading list that extends the student's knowledge of world fiction and drama from the Classical era to the Modern. Six books. Self-paced, conference at end of term. Fall and spring semesters.

EL 396 TOPICS IN ENGLISH (1-3)
 Selected upper-division topics in writing or literature. Periodic offering.

EL 401 MOBY DICK (3)
 A close study of Herman Melville's classic novel. Prerequisite: EL 205. Periodic offering.

EL 405W CHAUCER AND MEDIEVAL LITERATURE (3)
 Study of Chaucer with emphasis on Canterbury Tales (in Middle English). Other medieval works (e.g., Langland, Romances). Prerequisite: EL 207. Spring semester, even years.

EL 425 LANGUAGE ACQUISITION (3)
 The development of spoken and written language and knowledge of literacy development in designing classroom activities. Designed for teachers of English/Language Arts, K-12; required for ESL endorsement. Spring semester.

EL 453 INTRODUCTION TO LINGUISTICS (3)
 Science of language. Pronunciation, rhythm, intonation, acoustic nature of speech. Course progresses toward more conceptual aspects of language. Fall semester, odd years.

EL 454W RUSSIAN LITERATURE (3)
 Russian fiction of the 19th century (e.g., Turgenev, Gogol, Dostoevsky, Tolstoy). Prerequisite: EL 125. Periodic offering.

EL 455W MILTON (3)
 Reading of Milton's major works with special emphasis on *Paradise Lost*. Prerequisite: EL 207. Fall semester, even years.

EL 465W ENGLISH NOVEL (3)
 The rise of the novel from 1720 through 1895 (e.g., Defoe, Austen, Dickens, George Eliot, Hardy). Prerequisite: EL 208. Spring semester, even years.

EL 484W LITERARY CRITICISM (3)
 Learning to write from various critical perspectives. Major literary theories from Aristotle to the 20th century. Prerequisites: EL 205, EL 207 and EL 208. Fall semester, odd years.

EL 485 TEACHING WRITING (3)
 A variety of formats is used to explore philosophies, criticism, and methods of teaching writing at any level. Designed for teachers and prospective teachers. Regular summer offering.

EL 493, 494 DIRECTED READINGS: BRITISH LITERATURE (1)
 A reading list that extends the student's knowledge of British fiction and drama. Six books. Self-paced, conference at end of term.

EL 498W SENIOR PROJECT (3)
 Capstone colloquium for English majors. Major project (e.g., research paper, poetry or fiction portfolio), including presentation. Spring semester.

DIRECTED STUDIES
 INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

ENGLISH-LANGUAGE PROGRAM

FACULTY: Ann Dentler, Janet Yoder

For students whose primary language is not English, a series of courses is available to bring their reading, writing, conversation and grammar skills up to a level of proficiency necessary for independent participation in the other courses in Whitworth's curriculum. Students are admitted to the English-Language Program if their TOEFL scores are between 460 and 524, or if Whitworth's placement testing indicates a language skill deficiency. All such students are required to prove their English proficiency within the first three semesters of their enrollment in order to matriculate fully. Each ELP course carries 3 or 4 semester credits and is completely creditable toward graduation.

The regular sequence of courses offered each year is:

EL 107A	Advanced Grammar	4
EL 107B	Advanced Writing	4
EL 107C	Advanced Reading	4
EL 107D	Listening/Speaking I	4
EL 107E	American Studies II	4
EL 107G	Listening/Speaking II	4

The following courses are available on a periodic basis:

EL 105A	Intermediate Grammar	4
EL 105B	Intermediate Writing	4
EL 105C	Intermediate Reading	4
EL 105D	Intermediate Listening/Speaking I	4
EL 105E	American Studies I	4
EL 105F	Intermediate Listening/Speaking II	4
EL 105G	Special Problems	4
EL 105H	Directed Study	4
EL 107H	Special Problems	4
EL 107I	Directed Study	4
EL 108A	Class Visitation and Review	3
EL 203	Research Writing	3
EL 403	Research Writing	3

ENGLISH-LANGUAGE PROGRAM COURSES

EL 107A ADVANCED GRAMMAR (4)

An intensive review of English grammar. Formal and idiomatic structures. Lecture, discussion, recitation. Fall semester.

EL 107B ADVANCED WRITING (4)

Emphasis on composition skills for academic writing. Paragraph and essay forms. Discussion, analysis. Spring semester.

EL 107C ADVANCED READING (4)

Emphasis on improving vocabulary, comprehension and critical thinking. Discussion and recitation. Fall semester.

EL 107D LISTENING/SPEAKING I (4)

Emphasis on active listening skills, including interrupting, asking questions and taking notes; participation in group discussions, expressing opinions, explaining ideas, reporting. Focus on vocabulary, idioms, pronunciation. Oral research project.

EL 107E AMERICAN STUDIES II (4)

Integration of basic skills for study of American history, geography and culture. Lecture, discussion, field trips. Spring semester.

EL 107G LISTENING/SPEAKING II (4)

Emphasis on listening/speaking skills required in an academic setting: understanding lectures, taking notes, summarizing, oral presentations, discussions, and debates. Observation of regular classes. Research on current issues.

EL 107H SPECIAL PROBLEMS AND SKILL DEVELOPMENT (4)

Focus on selected skill deficiencies for individual or group needs.

EL 107I DIRECTED STUDY II (4)

Individualized course of study for the student who may need course enrichment.

EL 108A CLASS VISITATION AND REVIEW (3)

Simultaneous enrollment in selected college course. Note-taking, testing strategies, research tasks and special vocabulary in academic content area.

EL 203 RESEARCH WRITING (3)

Research writing for the international student.

EL 403 RESEARCH WRITING (3)

Upper-division research writing for the international student.

POST-BACCALAUREATE SCHOLAR PROGRAM

This program is for international students who want a special non-degree course of study in order to improve English language skills for graduate school admission or simply to have experience on an American campus. In addition to having access to the courses in the English-Language Program, the post-baccalaureate scholar is allowed to pursue courses of special interest in the same way that auditing American students do.

For admission to this program, an applicant needs to present proof of a completed baccalaureate degree and adequate language proficiency (460 TOEFL or equivalent experience in English study). This program does not earn the student any credits toward a degree, and any program participant wishing to change status to that of a degree-seeking student must follow the present policy for international student admissions. Participation in this program is normally limited to one full academic year.

HEALTH PROFESSIONS STUDIES

Whitworth College makes available all the courses required for entrance to medical, dental, or other post-baccalaureate programs in health care through the regular offerings in the science program. For information regarding medicine, dentistry, medical technology, pharmacy, or physician's assistant careers and training, contact Dr. Donald Calbreath. Dr. Lee Anne Chaney provides information on physical and occupational therapy programs.

Nearly all professional schools require at least one year of biology, two years of chemistry, one year of calculus, and one year of physics. Many programs require or recommend additional course preparation. Students should consult pertinent professional and/or graduate school catalogs to determine exact entrance requirements for specific programs.

NURSING

Whitworth College is a full consortium member of the Intercollegiate Center for Nursing Education in Spokane, and through ICNE offers the bachelor of science in nursing and master of nursing degrees. For information on course descriptions and major requirements, refer to the Department of Nursing listings in this catalog.

HISTORY/POLITICAL AND INTERNATIONAL STUDIES

FACULTY: Corliss Slack (Chair), James Hunt, Robert Lacerte, Arlin Migliazzo, Daniel Sanford, Dale Soden, Julia Stronks, Robert Wilson, John Yoder

REQUIREMENTS FOR AMERICAN STUDIES MAJOR — B.A. (45)

HI 131	American History before 1877	3
HI 132	American History since 1877	3
PO 102	Introduction to American Politics	3
EL 205	American Literature: Eras and Modes	3
Other-disciplinary view of American culture:		6
HI 212	America Popular Culture	
HI 228	American Minority Heritage	
SO 120	Social Reality: Introduction to Sociology	
RE 323W	American Christianity	
Two 300-level American literature courses		6
Two of the following		6
HI 320	Nineteenth-Century America	
HI 334	Gender, Politics and Law	
HI 357	Recent American History	
HI 375W	Early American History	
Two courses in American intellectual development:		6
HI 410W	American Intellectual History	
PO 365W	American Constitutional Law	
PO 434W	American Political Thought	
Two advisor-approved electives chosen in consultation with an advisor		6
One of the following		3
HI 488W	Ideas About History	
HI 499	Senior Honors Thesis	
PO 498W	Senior Seminar	
PO 499	Senior Honors Theses	

An internship, if possible, is highly recommended. At least one "W" course is required in the major.

REQUIREMENTS FOR CROSS-CULTURAL STUDIES MAJOR — B.A. (50)

PO 151	International Relations	3
SO 200	Cultural Anthropology	3
Foreign Language		14-16
A four-course sequence in second-year and third-year-level French, German, or Spanish; or where language offerings are limited, students should complete the total credits in a combination of two languages as approved by advisor.		
Foreign Study		9
Courses of study in foreign culture and foreign language. Courses should be in sociology, history, politics, literature, the arts or in the established courses of Whitworth semester-abroad programs.		
Fine Arts and Humanities		6
FA 101	Introduction to Fine Arts	
AR 262	History of Non-Western Art	
EL 235	Asian-American Literature	
EL 251	Modern World Literature	
EL 393/394	Directed Readings in World Literature	
EL 453	Introduction to Linguistics	
Area Studies		9
SO 307	Problems of Latin America	
HI 325W	History of Latin America	
HI 222	Modern World	
HI 354	Nineteenth-Century Europe	
HI 324	Contemporary Europe	
PO 340	Contemporary Africa	
PO 341	Contemporary South Africa	
SO 238	Sociology of the Middle East	
HI 245	Cultural History of China and Japan	
HI 346	Contemporary China and East Asia	
HI 355	History of England and the British Empire	
HI 365	Imperial Russia	
PO 366	Modern Russia and the Soviet Union	
Selected Interdisciplinary and Special Emphasis Courses		6
RE 370	Religion in the Modern World	
SP 113	Interpersonal Communications	
HI 297	Nonviolent Defense and Conflict Resolution	
SO 244	First Corinthians	
HP 101	Cultural and Physical Geography	
HP 102	Political Geography	

REQUIREMENTS FOR A HISTORY MAJOR — B.A. (39)

✓ HI 131	American History before 1877	3
✓ HI 132	American History since 1877	3
✓ HI 220	Ancient and Medieval Worlds	3
✓ HI 222	The Modern World	3
HI 488W	Ideas about History	3
Two upper-division American history courses:		6
HI 320	Nineteenth-Century America	
● HI 357	Recent American History	
HI 375W	Early American History	
✓ HI 384W*	Pacific Northwest History	
✓ HI 410W	American Intellectual History	
HI 463	American Foreign Policy	
Two upper-division European history courses:		6
HI 315	Medieval Europe	
HI 327	Contemporary Europe	
HI 354	Nineteenth-Century Europe	
HI 355	History of England and the British Empire	
HI 356	Topics in British History	
● HI 374	Renaissance and Reformation	
HI 377	The Enlightenment	
One non-Western history course:		3
HI 245	Cultural History of China and Japan	
HI 325W	History of Latin America	
● HI 340	Contemporary Africa	
HI 341	Contemporary South Africa	
HI 346	Contemporary China and East Asia	
HI 365	Imperial Russia	
HI 366	History of Modern Russia and the Soviet Union	

Three elective courses in history 9

One major research paper

A minimum of two courses in the major must be at the 400 level.

An internship is strongly recommended.

*required for teacher certification

REQUIREMENTS FOR AN INTERNATIONAL POLITICAL ECONOMY MAJOR — B.A. (48)

PO 151	International Relations	3
PO 240W	Comparative Politics	3
PO 423W	Marxism and the Socialist World	3
PO 463	American Foreign Policy	3
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
EC 320	Intermediate Microeconomic Analysis	3
EC 321W	Intermediate Macroeconomic Analysis	3
EC 425W	Economic Development	3
MA 356	Elementary Probability and Statistics	3
One of the following contemporary-area courses: 3		
SO 238	Sociology of the Middle East	
SO 307	Contemporary Latin American Problems	
PO 327	Contemporary Europe	
PO 340	Contemporary Africa	
PO 341	Contemporary South Africa	
PO 346	Contemporary China and East Asia	
One of the following history-area courses: 3		
HI 222	The Modern World	
HI 245	Cultural History of China and Japan	
HI 325W	History of Latin America	
HI 355	History of England and the British Empire	
HI 366*	History of Soviet Russia	
One of the following economics-area courses: 3		
EC 345	Economics of Social Issues	
EC 355	Comparative Economic Systems	
EC 365W	History of Economic Thought	
EC 416	International Trade and Finance	
PO 498W	Senior Seminar: Politics of Global Economics	3

Two upper-division language classes 6.3
 (Students may fulfill this requirement by completing two different languages through the 200 level.)
 Study abroad is strongly recommended.

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REQUIREMENTS FOR AN INTERNATIONAL STUDIES MAJOR — B.A. (48-49)

PO 151	International Relations	3
EC 211	Principles of Macroeconomics	3
HI 222	Modern World	3
PO 240W	Comparative Politics	3
PO 423W	Marxism and the Socialist World	3
PO 425W	The Third World: Political Change	3
PO 463	American Foreign Policy	3
PO 498W	Senior Seminar: International Relations	3
6 semester hours of modern language 3		
(at the intermediate level in Chinese, Russian or Japanese; or at the advanced 300+ level in German, French or Spanish)		
One course in American politics: 3		
PO 102	American National Politics	
PO 244	Modern Congress	
One other-culture study involving foreign travel 3		
Three courses in regional studies: (two-course sequence recommended) 6		
HI 245	Cultural History of China and Japan	
HI 346/PO 346	Contemporary China and East Asia	
HI 327/PO 327	Contemporary Europe	
HI 354	Nineteenth-Century Europe	
HI 325W	History of Latin America	
SO 307	Contemporary Latin American Problems	
HI 340/PO 340	Contemporary Africa	
HI 341/PO 341	Contemporary South Africa	
HI 365	Imperial Russia	
HI 366/PO 366	History of Modern Russia and the Soviet Union	
SO 238	Sociology of the Middle East	
3-4 semester hours from the following: 3-4		
HP 101	Cultural and Physical Geography	
HP 102	Political Geography	
HI 220	History of Ancient and Medieval Worlds	
PO 353W	World Order Studies	
HI 445/PO 445	Revolution in History	

Study abroad is strongly recommended.

21
4
30
22
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History/Political and International Studies

REQUIREMENTS FOR A PEACE STUDIES MAJOR — B.A. (45)

Religious Ideals, Social Values, and Peace

HI 297/PO 297 Non-violent Defense/Conflict Resolution 3
Two of the following 6

RE 384 Christian Ethics
PH 309 Environmental Ethics
PH 351 Philosophical Ethics

War, Revolution and Peace

Two of the following: 6

HI 228 American Minority Heritage
HI 325W History of Latin America
HI 327/PO 327 Contemporary Europe
HI 341/PO 341 Contemporary South Africa
HI 346/PO 346 Contemporary China and East Asia
HI 445/PO 445 Revolution in History
HI 463/PO 463 American Foreign Policy
HI/PO 334 Gender, Politics, and Law
SO 238 Sociology of the Middle East
SO 307 Contemporary Latin American Problems
SO 365 Urban Communities
PY 343 Prejudice Across America
PY 315 The Holocaust and Genocide

Economics, the Environment and Peace

Two of the following: 6

BI 104 Human Ecology
BI 109 Global Environmental Issues
BI 335 Conservation Biology
SO 423 Sociology of Wealth and Poverty
PO 425W The Third World: Political Change
EC 211 Principles of Macroeconomics
EC 245/345 Economics of Social Issues
EC 425 Economic Development
PH/BI 309 Environmental Ethics

Ideologies, Political Structures and Peace

Two of the following: 6

PO 353W World Order Studies
PO 423W Marxism and the Socialist World
PO 433W Western Political Thought
PO 434W American Political Thought
PO 223 Law and Society
RE 370 World Religions

Peacemaking in Practice

PO 499 Senior Seminar 3
Four additional courses chosen from any listed above 12
Internship required 3

At least one "W" course required in the major
Study abroad strongly recommended.

REQUIREMENTS FOR A POLITICAL STUDIES MAJOR — B.A. (39)

PO 102 American National Politics 3
PO 151 International Relations 3
PO 240 Comparative Politics 3

Three courses in American politics: 9

PO 223 Law and Society
PO 242W American Political Parties
PO 275 Cities and States in American Politics
PO 334 Gender, Politics and Law
PO 365W American Constitutional Law
PO 463 American Foreign Policy

Two courses in political theory: 6

PO 423W Marxism and the Socialist World
PO 433W Western Political Thought
PO 434W American Political Thought

Two of the following: 6

PO 327 Contemporary Europe
PO 340 Contemporary Africa
PO 341 Contemporary South Africa
PO 346 Contemporary China and East Asia
PO 366 History of Modern Russia and the Soviet Union
SO 307 Contemporary Latin American Problems
PO 445 Revolution in History

Three additional courses in political studies 9

One major research paper.

At least two courses in the major must be at the 400 level.

An internship is strongly recommended. At least one "W" course must be taken in the major.

REQUIREMENTS FOR TEACHING HISTORY WITH A RELATED SECOND TEACHING FIELD (Social Studies, Political Studies, English, Economics) — B.A. (46)

HI 131 American History before 1877 3
HI 132 American History since 1877 3
HI 220 Ancient and Medieval Worlds 3
HI 222 The Modern World 3
HI 384W Pacific Northwest History 3
HI 488W Ideas About History 3

Four additional approved courses, at least two of which must be upper-division 12

A minimum of 16 semester credits in an approved, related, second teaching field 16

REQUIREMENTS FOR TEACHING HISTORY WITH AN UNRELATED SECOND TEACHING FIELD — B.A. (49)

HI 131	American History before 1877	3
HI 132	American History since 1877	3
HI 220	Ancient and Medieval Worlds	3
HI 222	The Modern World	3
HI 488W	Ideas About History	3
PO 102	American National Politics	3
One course in American history		
(For teacher certification, HI 384W is required)		
One course in European history		
One course in non-Western history		
Two approved electives		
At least four history courses must be at the upper-division level.		
A minimum of 16 semester credits in an approved second teaching field		

REQUIREMENTS FOR HISTORY AS A MINOR OR SECOND TEACHING FIELD (21)

(4-12 endorsement)

One of the following:		
HI 131	American History before 1877	3
HI 132	American History since 1877	3
One of the following:		
HI 220	Ancient and Medieval Worlds	3
HI 222	The Modern World	3
One of the following:		
HI 315, 327, 354, 355, 356, 365, 366, 374, or 377		3
One of the following:		
HI 325W, 340, 341, 346, 365, or 366		3
One elective chosen from 200-, 300-, or 400-level courses:		
HI 384W	Pacific Northwest History	3
HI 488W	Ideas About History	3
(Successful completion of CO 250 or advanced junior status required.)		

REQUIREMENTS FOR MINOR IN PEACE STUDIES (15)

HI/PO 297	Non-violent Defense/Conflict Resolution	3
Four approved Peace Studies courses		

REQUIREMENTS FOR POLITICAL STUDIES AS A MINOR OR SECOND TEACHING FIELD (21)

(4-12 endorsement)

PO 102	American National Politics	3
PO 151	International Relations	3
One course in American politics		
One course in International politics		
Three approved upper-division courses		
(For teacher certification one of these courses must be PO 433 Western Political Thought or PO 434 American Political Thought.)		

REQUIREMENTS FOR SOCIAL STUDIES AS A SECOND TEACHING FIELD WITH A MAJOR IN HISTORY (22)

(4-12 endorsement)

HP 101	Cultural and Physical Geography	2
HP 102	Political Geography	2
PO 102	American National Politics	3
PO 151	International Relations	3
SO 120	Social Reality: Introduction to Sociology	3
EC 211	Principles of Macroeconomics	3
(Prerequisite MA 108)		
Two additional courses chosen from political studies, economics, or psychology		

PRE-LAW PROGRAM

Students interested in preparing for law school are encouraged to select a broad range of courses within the heart of a liberal arts program. Any liberal arts major may be selected, but it is highly desirable that students select majors that emphasize writing skills, logical and critical thinking, close reading of difficult material, and oral communication of ideas and arguments. Course selection should be worked out in consultation with a pre-law advisor from the History/Political and International Studies Department. Majors that may be most relevant to preparation for law school include history, political and international studies, literature, philosophy, accounting, communication studies, economics, sociology, psychology, mathematics and science, as long as the selection of major courses and electives is broadly designed and oriented toward rigorous training in thinking, writing, reading and verbal communication. Normally, law schools utilize the Law School Admission Test, together with an accomplished undergraduate record of academic achievement (GPA), faculty references, and evidence of leadership potential or internship experience as the basis for making admission decisions.

GEOGRAPHY COURSES

HP 101	CULTURAL AND PHYSICAL GEOGRAPHY	(2)
Survey of world regional geography. Emphasis on human interaction with the global environment. Alternate years.		
HP 102	POLITICAL GEOGRAPHY	(2)
Survey of world political geography. Emphasis on the interplay between the geographical environment and political systems and institutions. Focus on regional studies. Alternate years.		

HUMANITIES COURSE

HU 200	INTRODUCTION TO THE CULTURE OF THE BRITISH ISLES	(4)
This team-taught January Term course will provide a survey of the art, history and literature of England, Ireland, Scotland and Wales. Open to all students, but required for those participating in the British Isles Study Tour. Also cross-listed as AR 200 and EL 200. January Term preceding the British Isles Study Tour.		

24
27
51 59

HISTORY COURSES

HI 120 THE CRUSADES (3)

The crusades of the 12th and 13th centuries will be investigated for their impact on Western Europe, the Byzantine Empire, and the Muslim World. January Term.

HI 131 AMERICAN HISTORY BEFORE 1877 (3)

Discovery and settlement of North America; Puritans and Cavaliers; the Enlightenment and the American Revolution; early democracy and reform movements; Western expansion and slavery; the sectional crisis and causes and results of the Civil War. Course taught with a biographical focus. Fall semester.

HI 132 AMERICAN HISTORY SINCE 1877 (3)

Political, social and economic modernization of the U.S. since Reconstruction; development of 20th-century life and culture; America's role in the community of nations. Spring semester.

HI 196 TOPICS IN HISTORY (1-3)

Selected lower-division topics in history. Periodic offering.

HI 212 AMERICAN POPULAR CULTURE (3)

Values and ideas that are reflected in the various forms of popular culture. Analysis of music, sport, popular art, television and cinema, with special attention to the 20th century. Periodic offering.

HI 220 ANCIENT AND MEDIEVAL WORLDS (3)

The human story in history and literature, with emphasis on world civilizations of the Ancient Near East, Hebrews, Greeks and Romans, and of India, China, and Medieval Europe to 1500 A. D. Fall and spring semesters.

HI 222 THE MODERN WORLD (3)

Study of change and continuity in history, focusing on the impact of the social, political, religious and economic forces that have shaped our modern world over the past 500 years. Fall and spring semesters.

HI 228 AMERICAN MINORITY HERITAGE (3)

History and culture of major ethnic and racial groups in American life. Special emphasis on the role of race and nationality in the pursuit and achievement of "the American Dream." Offered on sufficient demand. Fulfills the multicultural requirement.

HI 235 PORTRAITS OF AMERICA (3)

Explores the role individuals play in American history from 1620 to the 1980s. Exploration of values, lifestyles, cultural impact of individuals on society. John Winthrop, Jane Addams, Walt Disney, Frank Lloyd Wright, Richard Nixon, many others included. Two-track reading and examination system relative to learning styles. Lectures, group discussions, audiovisual materials and autobiographies will be used to enhance learning. January Term.

HI 245 CULTURAL HISTORY OF CHINA AND JAPAN (3)

Illustrates how cultural heritage can explain the current behavior and character of the Chinese and Japanese. Religions, philosophies, arts, politics, and social organization as basic elements of Asian culture. Also listed as PO 245. Offered annually.

HI 297 NONVIOLENT DEFENSE AND CONFLICT RESOLUTION (3)

Major themes in the history and politics of nonviolence. Just War theory, nuclear pacifism, alternatives to military force, interpersonal conflict resolution included. Ideas of Jesus, Tolstoy, Gandhi, Niebuhr, M.L. King Jr., and Gene Sharp will be explored. Also listed as PO 297. Spring semester.

HI 303 STUDY TOUR: CENTRAL AMERICA (3)

Study tour to Latin America every three years.

HI 312 SOUTH AFRICA TOUR PREP (1)

HI 315 MEDIEVAL EUROPE (3)

European civilization in the fourth through 14th centuries will be investigated, with an emphasis on ideas and institutions such as the medieval papacy, feudalism and the concept of Christendom. Alternate years.

HI 320 NINETEENTH-CENTURY AMERICA (3)

Social, religious and political reforms of the early 1800s; the far Western frontier; the cotton kingdom; the Civil War and Reconstruction, industrialization and reform of the "Gilded Age" to the 1890s. Alternate years.

HI 325W HISTORY OF LATIN AMERICA (3)

Latin American civilization from its Aztec and Indian heritage to the bloody Mexican revolution. Focus on history of Mexico and historical perspective on contemporary conflicts and revolutionary movements. Spring semester.

HI 327 CONTEMPORARY EUROPE (3)

Forces, individuals and events that have shaped 20th-century Europe. Special emphasis on the interaction between Europe and the non-Western world. Also listed as PO 327. Alternate years.

HI 334 GENDER, POLITICS AND LAW (3)

Issues related to gender in American political history. Theoretical foundation of the women's movement; current political conflict related to gender in workplace, family and society. Also listed as PO 334. Fall semester, odd years.

HI 340 CONTEMPORARY AFRICA (3)

Recent colonial and independence history of principal African countries. Traditional setting, cultural change, modern philosophies of political and economic development. Also listed as PO 340. Spring semester.

HI 341 CONTEMPORARY SOUTH AFRICA (3)

Analysis of the history, politics and religion of this strife-torn region of the African continent. Emphasis on the stress and conflicts between the Africans, the British, and the Afrikaners in the early years, and on recent attempts to dismantle the apartheid system. Also listed as PO 341.

HI 346 CONTEMPORARY CHINA AND EAST ASIA (3)

Interpretation of recent events in China, Japan, Taiwan, and Korea. Chinese revolution of 1911, warlord era in China, Japanese militarism, communist revolution on the mainland, Japanese invasion of China, American occupation of Japan, normalization in China, Japan's economic ascendancy. Also listed as PO 346. Fall semester.

- HI 354 NINETEENTH-CENTURY EUROPE (3)**
Study of the rise of the modern ideologies of liberalism, conservatism, socialism, nationalism within the context of social, political, economic and industrial change. Focus on individuals and forces, expressions in literature, art and religion. Alternate years.
- HI 356 TOPICS IN BRITISH HISTORY (4)**
Taught every third year as part of study tour to the British Isles.
- HI 357 RECENT AMERICAN HISTORY (3)**
American life and culture since 1900. Focus on national and international forces that have contributed to the present context of American life. Special emphasis on popular culture and social movements. Fall semester.
- HI 365 IMPERIAL RUSSIA (3)**
Survey of Russian civilization from earliest times to 1855. Evolution of the tsarist state, genesis of East-West conflict, the expansion of the Russian empire. Studies in Russian culture. Offered on sufficient demand.
- HI 366 MODERN RUSSIA AND THE SOVIET UNION (3)**
Challenges to tsarist authority after 1855, rise of revolutionary agitation, adaptation of Marxism to Russian life and culture, history and politics of the Soviet system, transformation of the arts to serve the state, dissident voices, US-USSR relations. Also listed as PO 366. Offered on sufficient demand.
- HI 374 RENAISSANCE AND REFORMATION (3)**
Institutions, individuals, social forces, ideas, patterns of behavior, artistic expressions. Emphasis on the vitality of this period. Fall semester, odd years.
- HI 375W EARLY AMERICAN HISTORY (3)**
Anglo-America from the 1600s to the Revolution. Study of society, economics, politics and cultural development with particular focus on ideological origins of the American revolution; formation of new states and the federal government, and Republicanism. Students will use contemporary writings and conflicting interpretations. Alternate years.
- HI 377 THE ENLIGHTENMENT (3)**
The rise of modern patterns of thought as affected by the science, art and literature of 17th- and 18th-century Europe. Scientific Revolution of Newton to the French Revolution of Napoleon; Age of Reason to the reaction of Romanticism. Emphasis on the spirit of inquiry and daring. Spring semester, odd years.
- HI 384W PACIFIC NORTHWEST HISTORY (3)**
Explores the Pacific Northwest as a geographic "culture area" from pre-history to the present. Perspectives of the various peoples who have lived there: Native Americans, Europeans, Canadians, Americans. Modernization and contemporary issues in the Pacific Northwest. Role of the region as a symbol of the pioneering spirit of the West. Fall semester.
- HI 396 TOPICS IN HISTORY (1-3)**
Selected upper-division topics in history. Periodic offering.

HI 410W AMERICAN INTELLECTUAL HISTORY (3)
Focus on major thinkers and periods in American history. Special emphasis on Puritanism, the Enlightenment, Romanticism, Social Darwinism, and the major currents of 20th-century thought. Fall semester, even years.

HI 423W MARXISM AND THE SOCIALIST WORLD (3)
Context and development of Marx's critique of capitalism. Later interpretations and application of Marx's theories in a variety of revolutions from those of the Soviet Union, China, Yugoslavia and Cuba to current upheavals in the socialist world. Also listed as PO 423. Fall semester.

HI 445 REVOLUTION IN HISTORY (3)
Theory and history of revolution in Western Civilization. The "Great Rebellion" in England and revolutions in America, France, Russia, China. Contemporary revolutionary movements in Latin America, Africa and Asia. Also listed as PO 445. Offered upon sufficient demand.

HI 463 AMERICAN FOREIGN POLICY (3)
Major themes, debates, patterns and precedents of American foreign policy, emphasizing 20th-century diplomatic issues. Also listed as PO 463. Offered annually.

HI 488W IDEAS ABOUT HISTORY (3)
Major ideas and writings of history, historians' fallacies and style. How historians are influenced and in turn influence world views. Historical method, philosophy of history, biography, national bias, use of sources, the craft of teaching history, and the study of Christianity and history included. In-depth study of selected historians and their work. Prerequisite: completion of Core 250 or advanced junior status. Fall and spring semesters.

HI 499 SENIOR HONORS THESIS (3)
Researching and writing of a major undergraduate thesis. By approval. May be repeated for credit to a maximum of 6 semester credits. Also listed as PO 499.

POLITICAL STUDIES COURSES

PO 102 AMERICAN NATIONAL POLITICS (3)
Overview of founding principles, political culture, decision-making processes, and institutions of American government. Fall and spring semesters.

PO 121 POLITICS AND FILM (3)
An exploration of the themes of power and authority as portrayed in the cinema. Exploration of political reality as it involves exchanges among individuals, governmental and non-governmental organizations, at the international and domestic levels. Fall semester.

PO 151 INTERNATIONAL RELATIONS (3)
Character and major problems of international life in today's world. Foreign policy behavior of major states, traditional and recent security issues, causes of war and conflicts, impact of independence. Fall and spring semesters.

PO 223 LAW AND SOCIETY (3)

The role of law in society. Participants in the legal system (lawyers, judges, police, juries), study of the structure of the judicial system, trial procedures. Spring semester, even years.

PO 240W COMPARATIVE POLITICS (3)

Different governmental styles and political life of selected European, Asian, and Latin American governments. Comparisons of government structures, functions and outcomes. The course will examine democratic, authoritarian, patron-client and revolutionary systems. Fall semester.

PO 242W AMERICAN POLITICAL PARTIES (3)

The role and functioning of parties in American politics and government. Interest groups, political action committees, campaigning and voting behavior are also examined. Fall semester, even years.

PO 244 MODERN CONGRESS (3)

Evolution of Congress and its relationship to modern society, the bureaucracy and the executive. Special focus on the participants and the process of policy making. Fall semester, even years.

PO 245 CULTURAL HISTORY OF CHINA AND JAPAN (3)

Illustrates how cultural heritage can explain the current behavior and character of the Chinese and Japanese. Religions, philosophies, arts, politics and social organization as basic elements of Asian culture. Also listed as HI 245. Offered annually.

PO 275 CITIES AND STATES IN AMERICAN POLITICS (3)

The changing tasks of cities and states in managing our societal future and the effectiveness of structures and policies are examined. The politics of taxation, environment, consumer protection, transportation, urban planning, poverty, crime and education are considered. Spring semester, odd years.

PO 293 GREAT DECISIONS (1)

Participation in series of lectures and discussions on crucial foreign policy issues. Written responses to presentations. Spring semester.

PO 297 NONVIOLENT DEFENSE AND CONFLICT RESOLUTION (3)

Major themes in the history and politics of nonviolence. Just War theory, nuclear pacifism, alternatives to military force, interpersonal conflict resolution. Ideas of Jesus, Tolstoy, Gandhi, Niebuhr, M.L. King Jr., Gene Sharp. Also listed as HI 297. Spring semester.

PO 327 CONTEMPORARY EUROPE (3)

Forces, individuals, events that have shaped 20th-century Europe. Special emphasis on the interaction between Europe and the non-Western world. Also listed as HI 327. Alternate years.

PO 334 GENDER, POLITICS AND LAW (3)

Issues related to gender in American political history. Theoretical foundation of the women's movement; current political conflict related to gender in workplace, family, and society. Also listed as HI 334. Fall semester, odd years.

PO 340 CONTEMPORARY AFRICA (3)

Recent colonial and independence history of principal African countries. Traditional setting, cultural change, modern philosophies of political and economic development. Also listed as HI 340. Spring semester.

PO 341 CONTEMPORARY SOUTH AFRICA (3)

Analysis of the history, politics and religion of this strife-torn region of the African continent. Emphasis on the stress and conflicts between the Africans, the British and the Afrikaners in the early years and on recent attempts to dismantle the apartheid system. Also listed as HI 341.

PO 346 CONTEMPORARY CHINA AND EAST ASIA (3)

Interpretation of recent events in China, Japan, Taiwan and Korea. Chinese revolution of 1911, warlord era in China, Japanese militarism, communist revolution on the mainland, Japanese invasion of China, American occupation of Japan, normalization in China, Japan's economic ascendancy included. Also listed as HI 346. Fall semester.

PO 353W WORLD ORDER STUDIES (3)

Progress of people in organizing beyond national borders; prospects for a world community based on world law. Advanced study in international relations. Periodic offering.

PO 365W AMERICAN CONSTITUTIONAL LAW (3)

Examination of key Supreme Court decisions involving separation of powers, national regulation of the economy, church and state, civil rights and civil liberties. Prerequisite: PO 102. Fall semester.

PO 366 MODERN RUSSIA AND THE SOVIET UNION (3)

Challenges to tsarist authority after 1855, rise of revolutionary agitation, adaptation of Marxism to Russian life and culture, history and politics of the Soviet system, transformation of the arts to serve the state, dissident voices, US-USSR relations. Also listed as HI 366. Periodic offering.

PO 371 INTRODUCTION TO PUBLIC ADMINISTRATION (3)

An introduction to key elements in public administration. Organization theory, management of human resources, budgeting theories, and evaluation of employees will be key topics. Period offering.

PO 423W MARXISM AND THE SOCIALIST WORLD (3)

Context and development of Marx's critique of capitalism. Later interpretations and application of Marx's theories in a variety of revolutions from those of the Soviet Union, China, Yugoslavia and Cuba to current upheavals in the socialist world. Also listed as HI 423. Fall semester.

PO 425W THE THIRD WORLD: POLITICAL CHANGE (3)

Models chosen by Third-World nations to achieve equality in the modern world, such as Africa and Southeast Asia. Poor-nation problems. Developmental choices, response to world trade, human values in urbanization and technology. Spring semester.

PO 433W WESTERN POLITICAL THOUGHT (3)

Major turning points of Western political thought from Plato to the present. Covers spectrum from democratic thinkers to totalitarian extremists. Spring semester, even years.

PO 434W AMERICAN POLITICAL THOUGHT (3)

Principal ideas influencing American political institutions and policies. Rights theories, the influence of faith and the development of our law are considered. Alternate years.

PO 445 REVOLUTION IN HISTORY (3)

Theory and history of revolution in Western Civilization. The "Great Rebellion" in England and revolutions in America, France, Russia, China. Contemporary revolutionary movements in Latin America, Africa and Asia. Offered upon sufficient demand. Also listed as HI 445.

PO 463 AMERICAN FOREIGN POLICY (3)

Major themes, debates, patterns and precedents of American foreign policy, emphasizing 20th-century diplomatic issues. Offered annually. Also listed as HI 463.

PO 498W SENIOR SEMINAR (2-3)

In-depth simulation of problem-solving. Skills for graduate study and/or management positions in domestic and international affairs. Fall semester.

PO 499 SENIOR HONORS THESIS (3)

Researching and writing of a major undergraduate thesis. By approval. May be repeated for credit to a maximum of 6 semester credits. Also listed as HI 499.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

KINESIOLOGY AND ATHLETICS

FACULTY: Daman Hagerott (Chair), Chris Casey, Warren Friedrichs, Helen Higgs, Melinda Larson, Scott McQuilkin, Russell Richardson, John Tully, Kirk Westre, Toby Schwarz

Coaches: Tom Dodd (swimming), Sean Bushey (men's soccer, men's tennis) Warren Friedrichs (men's basketball), Helen Higgs (women's basketball), Daman Hagerott (women's soccer), Hiram Naipo III (women's volleyball), Andrew Sonneland (cross-country), Rod Taylor (baseball), John Tully (football), Jo Wagstaff (women's tennis), Toby Schwarz (track and field)

REQUIREMENTS FOR A PHYSICAL EDUCATION MAJOR — B.A. (41-46)

Four of the following:	4
KIN 264 Professional Activities I	
KIN 265 Professional Activities II	
KIN 266 Professional Activities III	
KIN 267 Professional Activities IV	
KIN 268 Professional Activities V	
KIN 269 Professional Activities VI	
BI 220 Human Anatomy	4
BI 221 Human Physiology	4
KIN 270 Emergency Response	2
KIN 279 History and Principles of Physical Education and Sport	3
KIN 320* Kinesiology	4
KIN 322 Philosophical and Psychological Aspects of Coaching	3
KIN 326W* Exercise Physiology	3
KIN 330 Adaptive Physical Education	2
KIN 345 Curriculum and Methods of Elementary PE and Health	2
KIN 351 Curriculum and Methods of Secondary PE	2
KIN 400 Tests and Measurements	3
KIN 420 Organization and Administration of PE, Intramurals and Interscholastic Sports	3
KIN 498 Senior Seminar	2

Plus a minimum of 5 semester credits from upper-division physical education courses. KIN 481, Field Experience, required for those seeking K-12 endorsement. KIN 271, Introduction to Athletic Training, may be used for 2 of these 5 semester credits

5
*Prerequisites: BI 220 (Human Anatomy) and BI 221 (Human Physiology)

REQUIREMENTS FOR TEACHING PHYSICAL EDUCATION WITH A SECOND TEACHING FIELD MAJOR — B.A.

(55-56)

(K-12 Endorsement)

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
KIN 279	History and Principles of Physical Education and Sport	3
KIN 320*	Kinesiology	4
KIN 326W*	Exercise Physiology	3
KIN 330	Adaptive Physical Education	2
KIN 351	Curriculum and Methods of Secondary PE	2
KIN 400	Tests and Measurements	3
KIN 420	Organization and Administration of PE, Intramurals and Interscholastic Sports	3
KIN 481	Field Experience	2-3
	or other approved alternate-level field experience (i.e. ED 324)	
	One of the following:	2
	KIN 270 Emergency Response	
	KIN 271 Introduction to Athletic Training	
	One of the following:	3
	KIN 322 Philosophical/Psychological Aspects of Coaching	
	KIN 430 Sports and Society	
	An approved second teaching field	20-29
	Recommended:	
	Two professional activity courses (KIN 264 to 269)	
	*Pre-requisites: BI 220 (Human Anatomy) and BI 221 (Human Physiology)	
	(Consult the School of Education before choosing a second field. Also, check certification requirements in the School of Education's segment of this catalog.)	

REQUIREMENTS FOR SPORTS MEDICINE MAJOR — B.A. (43)

This is a limited-enrollment major.

Applicants for admission to the sports medicine major are evaluated on the following criteria:

- 1) cumulative G.P.A of 2.75 or higher;
- 2) completion of KIN 270 and KIN 271 with at least a grade of "B" in each course
- 3) formal application;
- 4) submission of two letters of recommendation;
- 5) ability to work effectively with others;
- 6) primary focus in sports medicine;
- 7) interview (if necessary);
- 8) acceptance into the program.

Courses to be completed after admission to sports medicine major:

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
KIN 320*	Kinesiology	4
KIN 322	Philosophical/Psychological Aspects of Coaching	3
KIN 326W*	Exercise Physiology	3
KIN 332*	Pathophysiology and Modalities in Athletic Training ..	2
KIN 333*	Topics in Athletic Training	3
KIN 334W*	Physical Exam of the Lower Extremities in Athletic Training	3
KIN 335*	Physical Exam of the Upper Extremities in Athletic Training	3
KIN 362	Family Health	2
KIN 430	Sports in Society	3
KIN 432	Therapeutic Exercise	2
KIN 433+	Principles of Conditioning and Nutrition	2
	Recommended:	

One supporting counseling class:

PY 101	Introductory Psychology
KIN 338	Study Tour Prep/Japan
KIN 339	Seminar in Sports Medicine/Japan
KIN 400	Tests and Measurements
KIN 465	Motor Learning

*Prerequisite:BI 220 (Human Anatomy) and BI 221 (Human Physiology)

+Prerequisite:KIN 326W (Exercise Physiology) and KIN 320 (Kinesiology)

REQUIREMENTS FOR PHYSICAL EDUCATION AS A SECOND TEACHING FIELD (27)

(K-12 Endorsement)

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
KIN 320*	Kinesiology	4
KIN 326W*	Exercise Physiology	3
KIN 330	Adaptive Physical Education	2
KIN 420	Organization and Administration/Curriculum of PE, Intramurals and Interscholastic Sports	3
One of the following:		2
KIN 345	Curriculum and Methods of Elementary Physical Education and Health	
KIN 351	Curriculum and Methods of Secondary Physical Education	
One of the following:		2
KIN 270	Emergency Response	
KIN 271	Introduction to Athletic Training	
One of the following:		3
KIN 322	Philosophical/Psychological Aspects of Coaching	
KIN 430	Sports and Society	
Recommended: Two professional activity courses (KIN 264 to 269)		
*Prerequisites: BI 220 (Human Anatomy) and BI 221 (Human Physiology)		

REQUIREMENTS FOR HEALTH AS A SECOND TEACHING FIELD (20)

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
KIN 270	Emergency Response	2
KIN 326W	Exercise Physiology	3
KIN 361	Consumer Health	2
KIN 362	Family Health	2
KIN 433	Principles of Conditioning and Nutrition	3
One advisor-approved elective		1-2

VARSIY SPORTS (1)

For participants in men's and women's sports at the intercollegiate level.

PE 101	VARSIY BASEBALL
PE 102	VARSIY BASKETBALL
PE 103	VARSIY FOOTBALL
PE 105	VARSIY TENNIS
PE 106	VARSIY TRACK AND FIELD
PE 107	VARSIY SWIMMING
PE 108	VARSIY SOFTBALL
PE 109	VARSIY CROSS-COUNTRY
PE 110	VARSIY VOLLEYBALL

PE 111	VARSIY SOCCER
PE 117	CHEER LEADERSHIP

PHYSICAL ACTIVITY COURSES (1)

PE 113, 213	BEGINNING, INTERMEDIATE BASKETBALL
PE 115	BOWLING
PE 119	ICE SKATING
PE 122, 222	BEGINNING, INTERMEDIATE TENNIS
PE 124	WEIGHT TRAINING
PE 125, 225	BEGINNING, INTERMEDIATE GOLF
PE 126	FOUNDATIONS OF PHYSICAL ACTIVITY Cognitive learning with individualized appraisal and program planning for fitness development and lifetime sport/dance education.
PE 129, 229	BEGINNING, INTERMEDIATE BADMINTON
PE 130	SOCCER
PE 131	SOFTBALL
PE 132	FITNESS PROGRAMS
PE 133, 233	BEGINNING, INTERMEDIATE VOLLEYBALL
PE 134	JOGGING
PE 138, 178	KARATE, KARATE II
PE 141	WATER AEROBICS
PE 143, 243	BEGINNING, INTERMEDIATE BALLET
PE 144	CONDITIONING THROUGH DANCE
PE 147	SCUBA DIVING
PE 148	CROSS-COUNTRY SKIING
PE 149	SWIMMING FOR FITNESS
PE 155	KAYAKING
PE 159, 160	BEGINNING, INTERMEDIATE SKIING
PE 164	PICKLEBALL
PE 166	AEROBICS (Not repeatable)
PE 175	SURVEY OF PHYSICAL EDUCATION ACTIVITIES (3) Course includes individualized fitness assessment, personalized program development, and exposure to leisure and lifetime wellness activities as they relate to the continuing studies student. Also includes a personal- ized aerobic component and nutritional considerations. For continuing studies students only.
PE 184	LITURGICAL DANCE

- PE 226** INTERMEDIATE AEROBICS (Prerequisite: PE 166)
PE 230 INTERMEDIATE SOCCER
PE 250 LIFESAVING
PE 251 WATER SAFETY INSTRUCTION
PE 256 BALLET: POINTE
PE 257 BALLET: PAS DE DEUX

KINESIOLOGY COURSES

- KIN 196** TOPICS IN KINESIOLOGY (1-3)
 Selected lower-division topics in physical education. Periodic offering.
- KIN 264** PROFESSIONAL ACTIVITIES I (1)
 Soccer, aquatics. Spring semester, even years
- KIN 265** PROFESSIONAL ACTIVITIES II (1)
 Football, volleyball. Fall semester, even years.
- KIN 266** PROFESSIONAL ACTIVITIES III (1)
 Softball, weight lifting. Spring semester, odd years.
- KIN 267** PROFESSIONAL ACTIVITIES IV (1)
 Golf, aerobic dance. Fall semester, odd years.
- KIN 268** PROFESSIONAL ACTIVITIES V (1)
 Basketball, track and field. Spring semester, even years.
- KIN 269** PROFESSIONAL ACTIVITIES VI (1)
 Tennis, badminton. Spring semester, odd years.
- KIN 270** EMERGENCY RESPONSE (2)
 First aid and safety procedures. Emergency Response and CPR certificates from the Red Cross awarded to those who qualify. Lab fee. Fall and spring semesters, January Term.
- KIN 271** INTRODUCTION TO ATHLETIC TRAINING (2)
 Survey of the profession of athletic training. Injury prevention, assessment, treatment, taping and rehabilitation of common athletic injuries will be presented. Lab fee. Spring semester.
- KIN 279** HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION (3)
 Historical survey of physical education from ancient to modern times. Basic principles of modern physical education and their relationship to present-day programs. Biological, psychological, cultural factors. Fall semester.
- KIN 320** KINESIOLOGY (4)
 A study of human motion, emphasizing analysis of joint and muscular action and the application of biomechanical principles for sport skills common to physical education and athletics. Prerequisites: BI 220, BI 221, and KIN 326. Spring semester.

KIN 322 PHILOSOPHICAL AND PSYCHOLOGICAL ASPECTS OF COACHING (3)

An overview of the application of philosophical and psychological principles to coaching so that the coach is better prepared to develop the maximum potential in athletes. Fall semester.

KIN 326W EXERCISE PHYSIOLOGY (3)

The study of theory and practical application of exercise as it applies to the human body. Prerequisites BI 220 and BI 221. Lab fee. Fall semester.

KIN 330 ADAPTIVE PHYSICAL EDUCATION AND RECREATION (2)

A study of teaching activities that must be directed toward or modified for special groups. January Term.

KIN 332 PATHOPHYSIOLOGY AND MODALITIES IN ATHLETIC TRAINING (2)

Analysis of the physiological response to injury and the effects of therapeutic modalities and rehabilitation on damaged tissues. Lab fee. January Term.

KIN 333 TOPICS IN ATHLETIC TRAINING (2)

The design of training facilities, development of budgets, organization of curricula, understanding of the psychological aspects of pain, research of athletic pharmacology, and definition of the role, duties and responsibilities of an athletic trainer. Lab fee. Spring semester.

KIN 334W PHYSICAL EXAMINATION OF THE LOWER EXTREMITIES IN ATHLETIC TRAINING (3)

Intense in-depth study of the lower extremities including physical examination, injury recognition, treatment, taping, bracing and rehabilitation. Lab fee. Fall semester.

KIN 335 PHYSICAL EXAMINATION OF THE UPPER EXTREMITIES IN ATHLETIC TRAINING (3)

Intense in-depth study of the trunk, head, face and upper extremities, including physical examinations, injury recognition, emergency treatment, taping, bracing and rehabilitation. Lab fee. Spring semester.

KIN 338 SPORTS MEDICINE STUDY TOUR: PREP (1)

KIN 339 SEMINAR IN SPORTS MEDICINE: JAPAN (3)

KIN 345 ELEMENTARY PHYSICAL EDUCATION/HEALTH EDUCATION: CURRICULUM AND METHODS (2)

Curriculum and methods for teaching physical education and health education in the elementary school. Current methods and materials used in developing the elementary curriculum and in teaching the appropriate activities for each grade level. Class management, class discipline and directed teaching are practiced. Fall and spring semesters and January Term.

KIN 348 PRINCIPLES OF CONDITIONING AND NUTRITION (2)

Development of proficiency in the theory, design, and implementation of conditioning programs. Preparation for Certified Strength and Conditioning Specialist Exam. Prerequisite: KIN 326W and KIN 320. Spring semester.

KIN 351 CURRICULUM AND METHODS OF SECONDARY PHYSICAL EDUCATION (2)

Practical applications of educational theory and sports content. Emphasis on preparation of resource units and directed teaching. Spring semester.

KIN 361 CONSUMER HEALTH (2)

Current issues in health, including the health-care system and wellness and illness. January Term, even years.

KIN 362 FAMILY HEALTH (2)

Current issues related to substance use and abuse, sexuality and life cycles. January Term, odd years.

KIN 371 THEORY AND PRACTICE OF BASEBALL (2)

Designed to assist the student in preparing to coach baseball. Organization, equipment, facilities.

KIN 372 THEORY AND PRACTICE OF BASKETBALL (2)

Designed to assist the student in preparing to coach basketball. Organization, equipment, facilities.

KIN 373 THEORY AND PRACTICE OF FOOTBALL (2)

Designed to assist the student in preparing to coach football. Organization, equipment, facilities.

KIN 374 THEORY AND PRACTICE OF TRACK AND FIELD (2)

Designed to assist the student in preparing to coach track and field. Organization, equipment, facilities.

KIN 375(275) THEORY OF VOLLEYBALL COACHING (2)

Designed to assist the student in preparing to coach volleyball. Organization, equipment, facilities.

KIN 396 TOPICS IN PHYSICAL EDUCATION (1-3)

Selected upper-division topics in physical education. Periodic offering.

KIN 400 TESTS AND MEASUREMENTS (3)

Selection, administration, interpretation and application of tests of fitness, skills and knowledge. Development of computer software proficiency as it relates to the evaluation of tests designed to analyze human movement. Fall semester.

KIN 420 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION, INTRAMURALS AND INTERSCHOLASTIC SPORTS (3)

Administrative policies and practices as they relate to program development, budget, facilities, equipment, personnel management and public relations in directing physical education, intramural and interscholastic sports programs. Fall semester.

KIN 430 SPORTS AND SOCIETY (3)

Interrelationships of sports with other aspects of culture. Role of sports in American society. Spring semester.

KIN 432 THERAPEUTIC EXERCISE (2)

Instruction on the effective application of therapeutic exercise in order to achieve symptom-free movement and function. Content includes basic principles of exercise, therapeutic effects of exercise, functional evaluation of performance, goniometric measurements and manual muscle testing. Fall semester.

KIN 433 PRINCIPLES OF CONDITIONING AND NUTRITION (3)

Development of proficiency in the theory, design, and implementation of conditioning programs. Instruction will include nutritional considerations and ergogenic aids for physical conditioning.

KIN 465 MOTOR LEARNING (3)

Theories and principles of motor activity and motor responses. January Term.

KIN 498 SENIOR SEMINAR (2)

Integration of theory courses into the entire field of physical education as well as into the Christian liberal arts tradition. Spring semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

MATHEMATICS AND COMPUTER SCIENCE

FACULTY: Rod Hansen (Chair), Lyle Cochran, Martha Gady, Howard Gage, Kent Jones, Rick Otteson

REQUIREMENTS FOR A MATHEMATICS MAJOR — B.A. (39)

MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 316	Discrete Mathematics	3
MA 330	Linear Algebra	3
MA 356	Elementary Probability and Statistics	3
CS 171	Computer Science I	3
CS 172	Computer Science II	3
Four of the following upper-division courses		12
MA 317	Introduction to Complex Variables	
MA 340	Advanced Calculus I	
MA 341	Advanced Calculus II	
MA 350	Numerical Analysis	
MA 360	Number Theory	
MA 365*	Modern Geometry	
MA 410	Algebraic Structures	
MA 430W	Graph Theory and Combinatorics	
MA 456	Mathematical Statistics I	
MA 481	Topics Seminar	
Required for teacher certification:		
MA 421W	Methods of Teaching Secondary School Mathematics	3

*This course is required for students seeking teacher certification.

REQUIREMENTS FOR A MATHEMATICS MAJOR — B.S. (51-53)

MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 316	Discrete Mathematics	3
MA 330	Linear Algebra	3
MA 340	Advanced Calculus I	3
MA 341	Advanced Calculus II	3
MA 430W	Graph Theory and Combinatorics	3
CS 171	Computer Science I	3
CS 172	Computer Science II	3
Four of the following upper-division courses		12
MA 350	Numerical Analysis	
MA 360	Number Theory	
MA 365*	Modern Geometry	
MA 317	Introduction to Complex Variables	
MA 410	Algebraic Structures	
MA 456	Mathematical Statistics I	
MA 481	Topics Seminar	
PS 357	Math Methods for Engineers/Scientists	
Two courses as follows:		6-8
PS 151 and 153	General Physics I and II, or	
EC 210 and 211	Microeconomics and Macroeconomics	
Required for teacher certification:		
MA 421W	Methods of Teaching Secondary School Mathematics	3

*This course is required for students seeking teacher certification.

REQUIREMENTS FOR A COMPUTER SCIENCE MAJOR — B.A. (54)

(Business Option)		
CS 171	Computer Science I	3
CS 172	Computer Science II	3
CS 271	Object-Oriented Programming	3
CS 278	Computer Organization and Assembler Programming ...	3
CS 373	Data Structures and Algorithm Analysis	3
CS 374	Database Management	3
CS 472W	Software Engineering	3
CS 475	Operating Systems	3
BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
BU 332	Managerial Accounting and Control	3
BU 374	Principles of Management	3
BU 376	Operations Management	3
EC 210	Microeconomics	3
EC 211	Macroeconomics	3
One of the following:		4
MA 108	Finite Math for Social Sciences	
MA 110	Calculus I	
MA 356	Elementary Probability and Statistics	3
Recommended:		
CS 170	Introduction to Computer Information Systems	

REQUIREMENTS FOR A COMPUTER SCIENCE MAJOR — B.S. (53)

CS 171	Computer Science I	3
CS 172	Computer Science II	3
CS 271	Object-Oriented Programming	3
CS 278	Computer Organization and Assembler Programming	3
CS 373	Data Structures and Algorithm Analysis	3
CS 374	Database Management	3
CS 472W	Software Engineering	3
CS 475	Operating Systems	3
MA 110	Calculus I	4
MA 111	Calculus II	4
MA 330	Linear Algebra	3
One of the following:		3
CS 357	Computer Graphics	
CS 375	Computer Networks	
One of the following:		3
MA 430W	Graph Theory/Combinatorics	
MA 410	Algebraic Structures	
PS 151	General Physics I	4
PS 153	General Physics II	4
PS 273	Electronics	4
Recommended:		
MA 210	Calculus III	
MA 350	Numerical Analysis	
MA 356	Probability and Statistics	

REQUIREMENTS FOR A MATHEMATICS MINOR (21)

MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 330	Linear Algebra	3
MA 356	Elementary Probability and Statistics	3
CS 171	Computer Science I	3

REQUIREMENTS FOR MATHEMATICS AS SECOND TEACHING FIELD (4-12 endorsement) (23)

MA 110	Calculus I	4
MA 111	Calculus II	4
MA 316	Discrete Mathematics	3
MA 356	Elementary Probability and Statistics	3
MA 365	Modern Geometry	3
One of the following:		3
MA 421W	Methods of Teaching Secondary School Mathematics	
ED 421	Methods of Teaching Elementary Schools	
CS 170	Introduction to Computer Information Systems	3

REQUIREMENTS FOR COMPUTER SCIENCE MINOR (19)

CS 171	Computer Science I	3
CS 172	Computer Science II	3
CS 278	Computer Organization/Assembler Programming	3
CS 373	Data Structures and Algorithm Analysis	3
One of the following:		4
MA 108	Finite Math for Social Sciences	
MA 110	Calculus I	
MA 356	Elementary Probability and Statistics	3

MATHEMATICS COURSES

MA 064 ARITHMETIC REVIEW (2)

Self-paced tutorial course for students needing to learn (or relearn) the arithmetic skills necessary for other coursework. Whole numbers, integers, fractions, decimals, percents, ratios, proportions. Credit not applicable toward total credit graduation requirements. Fall and spring semesters.

MA 094 INTRODUCTION TO ALGEBRA (2)

Self-paced tutorial course for students needing to learn (or relearn) the algebraic skills necessary for other coursework. Linear equations, polynomials, graphing and systems of linear equations. Credit not applicable toward total credit graduation requirement. Fall and spring semesters.

MA 101 INTERMEDIATE ALGEBRA (3)

For those desiring more preparation for MA 108 or MA 109. Fundamental algebraic operations, factoring, fractions, exponents and radicals, with an emphasis on problem-solving. Does not apply toward the Math/Science general requirement. Fall and spring semesters.

MA 107 BASIC CONCEPTS IN MODERN MATHEMATICS (3)

Mathematics for the liberal arts student. An introduction to contemporary mathematics and its role in society. Current and past applications of mathematics in the real world will be examined. Topics may include management science, coding information, geometric applications and statistics. Fall, January, spring and summer semesters.

MA 108 FINITE MATHEMATICS FOR SOCIAL SCIENCES (3)

A study of mathematical applications to business, economics, social sciences and personal finance. Topics include mathematics of finance, taxes, insurance and investing. Prerequisite: MA 101 or equivalent. Fall and spring semesters.

MA 109 ALGEBRA AND TRIGONOMETRY (4)

A preparation for the calculus sequence. Polynomial, rational, exponential, logarithmic and trigonometric functions with applications in the social and natural sciences. Prerequisite: MA 101 or equivalent. Fall and spring semesters.

MA 110 CALCULUS I (4)

Topics to be covered include functions, limits, continuity, differentiation and antidifferentiation. Emphasis on solving problems numerically and graphically as well as algebraically. Prerequisite: MA 109 or equivalent. Fall, spring and summer semesters.

- MA 111 CALCULUS II (4)**
Applications of integration, transcendental functions, techniques of integration and infinite series. Solving problems using Mathematica will also be examined. Prerequisite: MA 110. Fall and spring semesters.
- MA 196 TOPICS IN MATHEMATICS (1-3)**
Selected lower-division topics in mathematics. Periodic offering.
- MA 210 CALCULUS III (4)**
Multivariable calculus, including partial differentiation, vector analysis and multiple integrals. *Mathematica* will be used as a tool to graph three-dimensional functions and to solve some calculus problems. Prerequisite: MA 111. Fall semester.
- MA 212 DIFFERENTIAL EQUATIONS (3)**
Introduction to ordinary differential equations, their use in mathematical models in the physical, biological and social sciences, and economics. Continuous and numerical solutions. Prerequisites: MA 210 and CS 171 or permission. Spring semester.
- MA 221 THEORY OF ARITHMETIC (4)**
For the prospective elementary teacher. Development of number systems, vocabulary and symbolism in the present-day usage of arithmetic, algebra, statistics and geometry. Does not apply toward the math/science general requirement for graduation except for candidates for elementary teaching certificates. Prerequisite: MA 064 and MA 094 or permission. Fall and spring semesters.
- MA 316 DISCRETE MATHEMATICS (3)**
An introduction to the concepts of sets, logic, relations, functions, combinatorics, graph theory and Boolean algebra. Prerequisite: MA 110. Spring term.
- MA 317 INTRODUCTION TO COMPLEX VARIABLES (3)**
Introduction to complex numbers, analytic and elementary functions and integration, series, residues and poles, and conformal mapping. Prerequisite: MA 210, MA 316 strongly recommended. Spring semester.
- MA 330 LINEAR ALGEBRA (3)**
Vector spaces, linear transformations, matrices, determinants, Euclidean spaces, systems of equations, eigenvalues. Prerequisites: MA 111 and CS 171. MA 316 strongly recommended. Fall semester.
- MA 340, 341 ADVANCED CALCULUS I, II (3)**
The real number system, elements of point set theory sequences and series, differentiation, integration, multiple integrals. Prerequisite: MA 210. MA 316 strongly recommended. Fall semester, even years; spring semester, odd years.
- MA 350 NUMERICAL ANALYSIS (3)**
Elementary discussion of errors, polynomial interpolation, quadrature, linear systems of equations, solutions of non-linear equations. Numerical differentiation, integration, solutions to differential equations. Prerequisites: MA 210, MA 330 and CS 172. MA 316 strongly recommended. Spring semester, even years.
- MA 356 ELEMENTARY PROBABILITY AND STATISTICS (3)**
Descriptive statistics, probability, probability distributions, hypothesis testing, confidence intervals, correlation, regression. Prerequisite: MA 108, MA 109, or instructors permission. Fall, January Term, spring and summer semester.
- MA 360 NUMBER THEORY (3)**
Divisibility, congruence, prime numbers, diophantine equations, quadratic reciprocity, number theoretic functions. Emphasis on mathematics education and problem-solving. Prerequisite: MA 111, MA 316.. Fall semester, even years.
- MA 365 MODERN GEOMETRY (3)**
Sets and propositions, postulation systems, affine geometry, Euclidean and non-Euclidean geometry. Required for high school mathematics teachers. Prerequisite: MA 110 or instructor permission required. MA 316 strongly recommended. Spring, summer semesters.
- MA 410 ALGEBRAIC STRUCTURES (3)**
Introduction to logic, sets, relations, functions, groups, rings, fields and vector spaces. Mathematics education and computing applications studied. Prerequisites: MA 111, MA 316, and CS 171. Fall semester, odd years.
- MA 421W METHODS OF TEACHING SECONDARY SCHOOL MATHEMATICS (3)**
Introduction to the methods of teaching and content of secondary mathematics. Current issues and trends are discussed. Instructional materials developed. Prerequisite: MA 111. January Term, even years.
- MA 430W GRAPH THEORY AND COMBINATORICS (3)**
Paths and circuits, trees, planarity and duality, coloring of graphs, permutations and combinations, multinomial theorem, generating functions, difference equations, principle of inclusion and exclusion, mobius function, Polya's theorem. Prerequisites: MA 111, MA 316, and CS 171. Spring semester, even years.
- MA 456 MATHEMATICAL STATISTICS I (3)**
A theoretical study of probability, random variables and their distributions, confidence intervals, and tests of hypothesis, regression and correlations. Prerequisites: MA 210, MA 356 and CS 171. MA 316 strongly recommended. Spring semester, odd years.
- MA 457 MATHEMATICAL STATISTICS II (3)**
A theoretical study of confidence intervals and estimators, test of hypothesis, ANOVA, regression and correlation, and non-parametric methods.
- MA 481 TOPICS IN MATHEMATICS (3)**
Mathematical topics of current interest to the mathematics faculty and advanced students. May be repeated for credit. Prerequisite: permission of department chair. Periodic offering.

COMPUTER SCIENCE COURSES

CS 170 INTRODUCTION TO COMPUTER INFORMATION SYSTEMS (3)

Basic concepts of computer hardware, software and information processing. Impact of computers on society and the ethics of information technology. Hands-on experience with operating systems, file systems, word processors, spreadsheets, databases and communication tools. Fall and spring semesters.

CS 171 COMPUTER SCIENCE I (3)

Introduction to problem-solving, abstraction and design using the C++ language. Special emphasis on development of algorithms and writing programs in a structured form. Prerequisite: CS 170 and MA 108 or equivalent. Fall semester.

CS 172 COMPUTER SCIENCE II (3)

Problem solving, abstraction and design using the C++ language. Special emphasis on pointer variables, recursion and file handling. Introduction to data structures (including stacks, queues, linked lists, and binary trees), classes and object-oriented programming. Prerequisite: CS 171. Spring semesters.

CS 196 TOPICS IN COMPUTER SCIENCE (1-3)

Selected lower-division topics in computer science. Periodic offering.

CS 271 OBJECT-ORIENTED PROGRAMMING (3)

Introduction to object-oriented programming and object-oriented design using the programming language C++. Prerequisite: CS 172. January Term.

CS 278 COMPUTER ORGANIZATION AND ASSEMBLER PROGRAMMING (3)

Computer organization and the structure of digital computers. Work in MASM assembler language programming on a PC computer. Prerequisite: CS 172. Fall semester.

CS 301 INTERNET APPLICATIONS DEVELOPMENT (3)

An information technology course designed as an introduction to the tools and methods of Internet applications development. Special emphasis on Internet programming languages and the design of interactive WWW documents. Prerequisite: CS 170. Spring semester.

CS 302 MULTIMEDIA APPLICATIONS DEVELOPMENT (3)

An information technology course designed as an introduction to the tools and methods of multimedia applications development. Students will learn how to integrate text, graphics, animation, digital video, and sound to create interactive multimedia applications. Prerequisite: CS 170. Fall semester.

CS 357 COMPUTER GRAPHICS (3)

Hands-on experience with state-of-the-art computer graphics rendering and display techniques. Emphasis on texture mapping, ray tracing, 2-D and 3-D object manipulation and animation. Periodic offering. Prerequisite: CS 172.

CS 373 DATA STRUCTURES AND ALGORITHM ANALYSIS (3)

An introduction to stacks, queues, recursion, linked lists, trees, graphs, sorting and searching. Emphasis on algorithm analysis. Prerequisite: CS 172. Fall semester, odd years.

CS 374 DATABASE MANAGEMENT (3)

Storage media and devices, fundamental file structure and processing, file management systems, database management systems. Prerequisite: CS 172. Fall semester, even years.

CS 375 COMPUTER NETWORKS (3)

Students will learn about various networks, architectures of data communication, concepts of public networks, network topology, network interconnection, layered architecture, protocol design and validation. Prerequisite: CS 172.

CS 396 TOPICS IN COMPUTER SCIENCE (1-3)

Selected upper-division topics in computer science. Periodic offering.

CS 472W SOFTWARE ENGINEERING (3)

Introduction to software system analysis and design. Software life cycle, structured analysis, structured design, software tools, software documentation, software maintenance. Prerequisite: CS 172. Spring semester, even years.

CS 475 OPERATING SYSTEMS (3)

Introduction to basic operating systems concepts. Memory management, scheduling algorithms, resource allocation, file systems, security, concurrent processes. Prerequisite: CS 278 or permission. Spring semester, odd years.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

MILITARY SCIENCE/ROTC

Whitworth students may elect to participate in Army ROTC through a cross-enrollment program with Gonzaga University. Coursework requires travel to Gonzaga, located six miles south of the Whitworth campus.

The ROTC program is a cooperative effort between the U.S. Army and participating colleges. It provides training and qualification for leadership positions in either the Regular Army, the U.S. Army Reserve, or the Army National Guard. A student may earn a commission as an Army Second Lieutenant while achieving a college degree in the academic discipline(s) of his or her choosing. Cadets incur no obligation during their first two years of ROTC and are not members of the U.S. Army (unless they are ROTC scholarship winners). First- and second-year courses are open to all Whitworth students.

The objectives of the program are to prepare academically and physically qualified college men and women for the challenge of serving as commissioned officers in the Army. To that end, the program stresses service to country and community through an enhancement of leadership competencies.

The program has been designed to meet the country's requirement for officer-leaders in the Army (Active Duty, National Guard, and Reserves). It is, therefore, multifaceted, with distinctive sub-elements to meet individual needs and requirements. For example, ROTC is traditionally a four-year program, but individuals with prior service, members of reserve or National Guard units, participants of JROTC in high school, and summer basic camp attendees may receive advanced-placement credit and complete the program in two years. Normally, all students enroll in one military science course and leadership laboratory per semester. Each cadet's physical fitness is closely monitored. The program consists of two phases: the basic course (lower division), normally taken during the freshman and sophomore years or obtained through advanced placement credit, and the advanced course (upper division).

Basic Course: The basic course refers to first- and second-year courses, MI 101, 102, 201, and 202, designed for beginning students who want to qualify for entry into the advanced course and for those students who may want to try military science without obligations. In addition to their academic requirements, basic-course cadets may participate in a variety of extracurricular activities. Placement credit for the basic course may be granted to students who have completed initial entry training for the Armed Forces, three years of Junior ROTC in high school or ROTC Basic Camp. MI 101 and 102 concentrate on outdoor skills and providing an overview of how the military fits into society. MI 201 and 202 more thoroughly address the heritage, traditions and organization of the United States military.

Advanced Course: The advanced course consists of MI 301, 302, 401, and 402. It is only open to students who have completed the basic course or earned placement credit (various methods). Students must also enroll in leadership labs (301L-402L). Students also attend a five-week ROTC advanced camp during the summer between their junior and senior years. In addition to their academic requirements, the advanced-course cadets provide student leadership for the Gonzaga Cadet Battalion.

Completion of the basic and advanced courses qualifies the cadet to apply for commission in the United States Army. The student may be able to influence whether his or her service will be on active duty or in the reserves through grades, camp performance and campus participation.

FINANCIAL ASSISTANCE

Each advanced-course student receives a subsistence allowance of \$150 a month for up to 10 months a year for two years. There are also cooperative programs with the Army National Guard and Army Reserve that will pay advanced-course cadets approximately \$1,500 per year for simultaneous service.

SCHOLARSHIPS

Freshman- and sophomore-level students may compete on a national basis for Army ROTC scholarships. These scholarships are applied for tuition and fees plus an allowance for books. Additionally, scholarship cadets receive subsistence allowances of \$150 per month for up to 10 months of each school year. A student need not be enrolled in ROTC to be eligible to compete for two- or three-year scholarships. No commitment is made until a scholarship is accepted.

High school seniors interested in applying for a four-year scholarship must submit applications by November 15th of their senior year. An early-decision cycle is offered for high school seniors. The applications must be postmarked by July 15.

FEES, UNIFORMS, AND ROTC TEXTS

A lab fee is the only fee associated with participation in the ROTC program. ROTC textbooks, uniforms and other equipment are furnished without charge. Students are responsible for and must return all government property issued to them.

EXTRACURRICULAR ACTIVITIES

The Regulators: Gonzaga ROTC's student-body-chartered club. This club is directly related to the Ranger Challenge team. Its sole purpose is to continue the Ranger's training and provide additional team-building opportunities in a somewhat less formal atmosphere. This activity is open to all and participation in the ROTC program is not required.

Rifle Team: The rifle team represents the university in regional and intercollegiate smallbore marksmanship competition. Team members must be enrolled in the ROTC program.

Color Guard: The Gonzaga University Color Guard participates in a variety of school and civic functions where precision drill or presentation of the United States flag is appropriate.

Intramural Sports: The ROTC program sponsors teams that participate in flag football, volleyball, basketball, softball and other sports of the Gonzaga University intramural leagues. Uniforms and equipment are provided by the Military Science Department.

Special Qualification Training: Advanced-course and select basic-course cadets may participate in confidence-building courses such as Air Assault School, Airborne School, Northern Warfare Training Center, and Cadet Troop Leadership Training.

MILITARY SCIENCE COURSES

MI 101 INTRODUCTION TO ROTC (1-3)

Develop self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction courses, team-building exercises, first aid, giving presentations and basic rifle marksmanship. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. Weekly requirements: three hours for class and a required leadership lab, MI 101L, plus required participation in a minimum of three one-hour sessions for physical fitness. Participation in one weekend mandatory exercise with several optional weekend exercises offered.

MI 101L, 102L, 201L, 202L LEADERSHIP LABORATORY (1)

Open only to (and required of) students in the associated Military Science course. Learn and practice basic skills. Gain insight into advanced course in order to make an informed decision whether to apply. Build self-confidence and team-building leadership skills that can be applied throughout life. Prerequisite: permission.

MI 102 INTRODUCTION TO LEADERSHIP (1-3)

Learn and apply principles of effective leading. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper-division ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. Weekly requirements: three hours for class and a required leadership lab, MI 102L, plus required participation in a minimum of three one-hour sessions for physical fitness. Participation in one mandatory weekend exercise with several other weekend exercises offered.

MI 103, 104, 203, 204 MILITARY PHYSICAL FITNESS PROGRAM (1)

Intensive military physical fitness program designed to raise the level of individual physical fitness to its highest potential with emphasis on the development of an individual fitness program and the role of exercise and fitness in one's life. Participate in and learn to lead a physical fitness program.

MI 190, 191 DIRECTED READINGS (1-3)

Incorporates readings in a variety of subject areas such as military history, leadership development, basic military skills, and related topics. Prerequisite: permission.

MI 201 SELF/TEAM DEVELOPMENT (3)

Learn and apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams of people. Develop skills in oral presentations, writing concisely, planning of events, coordination of group efforts, advanced first aid, land navigation and basic military tactics. Learn fundamentals of ROTC's Leadership Assessment Program. Weekly requirements: three hours for class and a required leadership lab, MI 201L, plus required participation in a minimum of three one-hour sessions for physical fitness. Participation in two mandatory weekend exercises with several optional weekend exercises offered.

MI 202 INDIVIDUAL/TEAM MILITARY TACTICS (3)

Introduction to individual and team aspects of military tactics in small-unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security, and methods of pre-execution checks. Practical exercises with upper-division ROTC students. Learn techniques for training others as an aspect of continued leadership development. Weekly requirements: three hours of class and a required leadership lab, MI 202L, plus required participation in a minimum of three one-hour sessions for physical fitness. Participation in two mandatory weekend exercises with several optional weekend exercises offered. Prerequisite: permission.

MI 290, 291 DIRECTED READINGS (1-3)

Incorporates readings in a variety of subject areas such as leadership assessment, comparative military systems, basic military skills, and related topics. Prerequisite: permission.

MI 300 RANGER CHALLENGE (1)

ROTC's "varsity sport" designed to familiarize students with the tactical and technical aspects of the professional soldier through hands-on training. Enhance leadership traits and build teamwork skills in an exciting and competitive atmosphere. The competition includes: a 10k run in combat gear, an eight-person rope-bridge, a grenade assault course, M-16 rifle marksmanship, orienteering, a physical fitness test, weapons assembly and squad patrolling. Prerequisite: permission.

MI 301 LEADING SMALL ORGANIZATIONS I (3)

A series of practical opportunities to lead small groups and receive personal assessments and encouragement in situations of increasing complexity. Uses small-unit defensive tactics and opportunities to plan and conduct training for lower-division students, both to develop such skills and to function as vehicles for practicing leadership. Weekly requirements: three hours for class and a required leadership lab, MI 301L, plus required participation in a minimum of three one-hour sessions for physical fitness, MI 303. Participation in two mandatory weekend exercises with several optional weekend exercises offered. Prerequisite: permission.

MI 301L, 302L, 401L, 402L LEADERSHIP LABORATORY (1)

Open to students in the associated Military Science course only. Involves leadership responsibilities for the planning, coordination, execution and evaluation of various training activities with basic-course students and of the ROTC program. Students develop, practice and refine leadership skills by serving and being evaluated in a variety of responsible positions. Prerequisite: permission.

MI 302 LEADING SMALL ORGANIZATIONS II (3)

Continues methodology of MI 301. Analyze tasks, prepare written or oral guidance for team members to accomplish tasks. Delegate and supervise tasks. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision-making in setting a positive climate that enhances team performance. Weekly requirements: three hours for class and required leadership lab, MI 302L, plus required participation in a minimum of three one-hour sessions for physical fitness, MI 304. Participation in two mandatory weekend exercises with several optional weekend exercises offered. Prerequisite: MI 301.

MI 303,304,403,404 MILITARY PHYSICAL FITNESS PROGRAM (1)

Open only to (and required of) students in MI 301,302,401,402. Participate in, plan and lead physical fitness programs. Develops the physical fitness required of an officer in the Army. Emphasis on the development of an individual fitness program and the role of exercise and fitness in one's life. Prerequisite: permission.

MI 390, 391 DIRECTED READINGS (1-3)

Incorporates readings in a variety of subject areas such as leadership dynamics in small units, offensive and defensive tactics and studies in leadership characteristics and traits. Prerequisite: permission.

MI 395 ADVANCED CAMP (3)

A five-week leadership practicum conducted at an active Army installation. Open only to (and required of) students who have completed MI 301, 302. The student receives pay. Travel, lodging and most meal costs are defrayed by the U.S. Army. The advanced-camp environment is highly structured and demanding, stressing leadership at small-unit level under varied challenging conditions. Individual leadership and basic skills performance are evaluated during the camp. Although this course is graded on a pass/fail basis only, the leadership and skills evaluations at the camp weigh heavily in the subsequent selection process that determines the type of commission and job opportunities given to the student upon graduation from ROTC and the university. Prerequisite: MI 301, 302 and permission.

MI 401 LEADERSHIP CHALLENGES AND GOAL-SETTING (3)

Conduct and evaluate activities of the ROTC cadet organization. Articulate goals, put plans into action to attain them. Assess organizational cohesion and develop strategies to improve organization. Develop confidence in skills to lead people and manage resources. Weekly requirements: three hours for class and a required leadership lab, MI 401L, plus required participation in a minimum of three one-hour sessions for physical fitness. Participation in two mandatory weekend exercises with several optional weekend exercises offered. Prerequisite: MI 302 and permission.

MI 402 TRANSITION TO LIEUTENANT (3)

Continues the methodology from MI 401. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as relate to leading as an officer in the Army. Weekly requirements: three hours for class and a required leadership lab, MI 402L, plus required participation in a minimum of three one-hour sessions for physical fitness. Participation in two mandatory weekend exercises with several optional weekend exercises offered. Prerequisite: MI 401 and permission.

MI 490, 491 DIRECTED READING (1-3)

Incorporates readings in a variety of subjects to prepare the cadet for becoming an officer. Prerequisite: permission.

MODERN LANGUAGES

FACULTY: Elisabeth Buxton, Pierrette Christianne-Lovrien, 'BioDun Ogundayo, Carol Smucker

ALL 400-level courses are taught in the native language (French, German, Spanish).

REQUIREMENTS FOR A MAJOR IN FRENCH or SPANISH — B.A. (35)

(32 semester credits beyond the elementary level)

FR/SN 201	Intermediate French/Spanish I	4
FR/SN 202	Intermediate French/Spanish II	4
FR/SN 307W	French/Spanish Conv/Comp/Grammar I	3
FR/SN 308W	French/Spanish Conv/Comp/Grammar II	3
FR/SN 330	Intensive Oral French/Spanish	3
Two of the following:		6
FR/SN 409W	Survey of French/Spanish Literature I	
FR/SN 410W	Survey of French/Spanish Literature II	
FR 419W	French Culture and Civilization	
FR 420W	French Culture and Civilization (Contemporary France*)	
SN 419W	Latin American Culture and Civilization	
SN 420W	Spanish Culture and Civilization	

Four advisor-approved, upper-division French/Spanish courses. 12
Students majoring in French/Spanish are highly encouraged to study abroad in a French- or Spanish-speaking country to gain further proficiency in the French/Spanish language and a keen understanding and appreciation of French/Hispanic culture.

REQUIREMENTS FOR A MAJOR IN FRENCH EDUCATION or SPANISH EDUCATION — B.A. (38)

(K-12 endorsement)

FR/SN 201	Intermediate French/Spanish I	4
FR/SN 202	Intermediate French/Spanish II	4
FR/SN 307W	French/Spanish Conv/Comp/Grammar	3
FR/SN 308W	French/Spanish Conv/Comp/Grammar	3
FR/SN 330	Intensive Oral French/Spanish	3
At least two of the following:		6
FR/SN 409W	Survey of French/Spanish Literature	
FR/SN 410W	Survey of French/Spanish American Literature	
FR 419W	French Culture and Civilization	
FR 420W	French Culture and Civilization (Contemporary France*)	
SN 419W	Latin American Culture and Civilization	
SN 420W	Spanish Culture and Civilization	

At least three advisor-approved, upper-division French/Spanish courses 9

Students majoring in French/Spanish are highly encouraged to study abroad in a French or Spanish-speaking country to gain further proficiency in the French/Spanish language and a keen understanding and appreciation of French/Hispanic culture.

ML 442	Methods for Teaching Languages: K-12	3
EL 453	Introduction to Linguistics	3

REQUIREMENTS FOR A MINOR IN FRENCH, GERMAN, or SPANISH (17)

Five advisor-approved courses beyond the elementary level 17

REQUIREMENTS FOR A SECOND TEACHING FIELD IN FRENCH, or SPANISH (32)

(K-12 endorsement)

FR/SN 201	Intermediate French/Spanish I	4
FR/SN 202	Intermediate French/Spanish II	4
FR/SN 307W	French/Spanish Conv/Comp/Grammar	3
FR/SN 308W	French/Spanish Conv/Comp/Grammar	3
One of the following:		3
FR/SN 409W	Survey of French/Spanish Literature	
FR/SN 410W	Survey of French/Spanish American Literature	
One of the following:		3
FR/SN 419W	French/Spanish Culture and Civilization	
FR/SN 420W	French/Spanish Culture and Civilization	
One of the following:		3
FR/SN230/330*	Intensive Oral French/Spanish	
Approved upper-division course		3
ML 442	Methods for Teaching Languages: K-12	3
EL 453	Intro to Linguistics	3

*Recommended, especially for students who have not studied abroad.

REQUIREMENTS FOR A SECOND TEACHING FIELD IN GERMAN (27)

(K-12 endorsement)

GR 102	Elementary German II	4
GR 201	Intermediate German I	4
GR 202	Intermediate German II	4
GR 307W	German Conv/Comp/Grammar	3
GR 308W	German Conv/Comp/Grammar	3
One of the following:		3
GR 330	Everyday German	
GR 409W	Survey of German Literature	
GR 410W	Survey of German Literature	
ML 442	Methods for Teaching Languages: K-12	3
EL 453	Introduction to Linguistics	3

Recommended: an additional upper-division course.

MODERN LANGUAGE COURSES

ML 442 METHODS FOR TEACHING LANGUAGES, K-12 (3)

Study and application of various aspects of foreign language teaching. Testing, focus on learner, performance objectives, teaching of culture. Course includes methods and observation of language teaching at both elementary and secondary levels. Fall semester, even years.

CHINESE

CN 101,102 ELEMENTARY CHINESE (4)

Introduction to the fundamentals of standard Chinese, emphasizing all four language skills: speaking, listening, reading, and writing. Systematic methods and various communication activities are employed for basic training in pronunciation, grammatical structures, conversation on daily topics, and the writing system. CN 101 is prerequisite to CN 102. CN 101 Fall semester, CN 102 Spring semester.

CN 201,202 INTERMEDIATE CHINESE (4)

Second-year course in modern Chinese that continues to develop proficiency in all four language skills: speaking, listening, reading and writing. In addition to the basic conversational topics, students will be taught to use the dictionary, will be exposed to both traditional and simplified characters, and will read and write longer discourses ranging from personal letters to short narratives. Learn to use Chinese word processing. CN 101, CN 102 are prerequisites to CN 201. CN 201 is prerequisite to CN 202. CN 201 Fall semester, CN 202 Spring semester.

FRENCH

FR 101 ELEMENTARY FRENCH (4)

Beginning French with emphasis on conversation. Basic grammar and vocabulary are presented. The text concentrates on contemporary French culture; for example, two chapters explore the life of students in France. Fall semester.

FR 102 ELEMENTARY FRENCH (4)

Continuation of French 101 with greater concentration on listening, speaking, reading and writing. Class taught mainly in French. Prerequisite: FR 101. Spring semester.

FR 111 INTENSIVE ELEMENTARY FRENCH (4)

A course designed for those students who have had an experience with the language. Basic structure and sound system taught. Students will cover one year of the language in one semester. This course meets the college's one-year language requirement. Fall and spring semesters.

FR 130/230 EVERYDAY FRENCH (3)

No English allowed. Students immerse themselves in the language in a free, non-structured situation. Shopping, meals, conversation. Class offered in a home situation: small groups, games, movies, songs, cooking, skits. A fun, intensive class (3 hours minimum per day), that allows students to know they can speak French. Required of beginning language students going on the France study tour. FR 130 may be used to fulfill the foreign language requirement if taken before the tour. In all other cases a student must complete: FR 102. Prerequisite: FR 101 (for 130); 201 (for 230). Offered every third January Term before study tour to France.

FR 201 INTERMEDIATE FRENCH (4)

Gain increased proficiency in oral and written expression through a detailed review and expansion of grammar study and vocabulary. Improve reading comprehension skills and gain cultural and literary knowledge through authentic texts representing modern French and Francophone literature. Current topics in French culture are presented through examples in the text taken from magazines, movies and television, and through current popular music. Class taught in French. Prerequisite: FR 101 and FR 102 or placement by exam. Fall semester.

FR 202 INTERMEDIATE FRENCH (4)

FR 202 is a continuation of FR 201 to develop fluency in the language. Class taught in French. Prerequisite: FR 201. Spring semester.

FR 307W FRENCH CONVERSATION, COMPOSITION AND REVIEW OF GRAMMAR (3)

A review of grammar with an emphasis on conversation. French customs, mannerisms, colloquialisms, as well as current French issues and points of view, are explored through readings, followed by conversations and discussions. Grammar is reviewed as a basis for improving writing skills. Literary excerpts are also studied. Class is conducted in French. Prerequisite: FR 202 or equivalent. Fall semester.

FR 308W FRENCH CONVERSATION, COMPOSITION AND REVIEW OF GRAMMAR (3)

Continuation of French 307W. Grammar review and conversation on French cultural topics and current social and political news. Readings on French culture and the arts in France. This class is good preparation for the content offered in the following level of French studies. Taught in French. Prerequisite: FR 307W or equivalent. Spring semester.

FR 314 FRENCH LANGUAGE AND CULTURE (5)

Introductory course during the three-month France Study Tour. Intensive language study combined with visits and interviews with local residents to learn the history, culture, politics of the region and of the country. Prerequisite: FR 102, 130, or equivalent. Every third spring semester (1998 and 2001).

FR 324 LITERATURE AND CULTURE OF FRANCE (5)

Focus on French classicism and romanticism. Museum visits. Part of France Study Tour. Every third spring semester (1998 and 2001).

FR 330 INTENSIVE ORAL FRENCH (3)

No English allowed. Intensive conversation, non-structured situation. Readings on events of the 20th century in France leading to discussions. Class offered in a home situation: conversation, meals, games, movies, songs, cooking, skits. A fun, intensive class (3 hours minimum per day) that allows students to know that they do speak French. Vocabulary quizzes and final exam on readings. Prerequisite: FR 201. January Term.

FR 381 ART IN FRANCE (5)

Major movements and artists of France. Emphasis on Romantic through Contemporary periods, as found in Paris, Nice, and surrounding area. Museum, gallery, studio visits offer opportunity for students to view and study first-hand original works and the environment that brought them into existence. Part of the France Study Tour. Spring semester every third year (1998 and 2001).

FR 409W SURVEY OF FRENCH LITERATURE (3)

Study of development of French thought, history and culture through literature from the Middle Ages through the 18th century. The course covers literary developments beginning with the "chansons de geste," courtly and satiric literature of the Middle Ages, and continuing with the literature of the Renaissance, Classicism, and the Age of Enlightenment. Representative texts are from authors such as Villon, Rabelais, Ronsard, Montaigne, Pascal, Moliere, Corneille, Racine, Voltaire and Rousseau. Texts are viewed within the context of important historical, sociological and cultural developments during these centuries. Conducted in French. Lecture and discussion. Prerequisite: FR 308W. Fall semester, odd years.

FR 410W SURVEY OF FRENCH LITERATURE (3)

Study of development of French thought, history, and culture through literature from the 19th and 20th centuries. The course covers the major literary movements of romanticism, realism, symbolism, and surrealism, as well as the development of the novel in the 20th century and influences of absurdist and existential thought. Representative texts are from authors such as Hugo, Balzac, Stendhal, Dumas, Flaubert, Zola, Baudelaire, Verlaine, Rimbaud, Proust, Gide, Malraux, Sartre, Camus, Beckett and Ionesco. Texts are viewed within the context of important historical, sociological and cultural developments during these centuries. The course is conducted in French. Method of instruction is lecture and discussion. Prerequisite: FR 308W. Spring semester, even years.

FR 419W FRENCH CIVILIZATION AND CULTURE (3)

Political, social, intellectual and artistic development of French culture from earliest times to the present day. Taught in French. Prerequisite: FR 308W. Fall semester, even years.

FR 420W FRENCH CIVILIZATION AND CULTURE (3)

Continuation of French civilization and culture and French culture in present times and in the Francophone world: Africa, Canada and the Caribbean. Taught in French. Prerequisite: FR 308W. Spring semester, odd years.

FR 421W LITERARY GENRES (3)

French literature through various genres: plays, poetry, short stories, novels. Taught in French. Prerequisite: FR 308W. Periodic offering.

FR 422W EIGHTEENTH-CENTURY FRENCH LITERATURE (3)

The Age of Reason, dominated by the "esprit philosophique": Montesquieu, Voltaire, Diderot, Rousseau. Taught in French. Prerequisite: FR 308W. Periodic offering.

FR 423W TWENTIETH-CENTURY FRENCH LITERATURE (3)

The major literary trends and authors of this century: Proust, Gide, Anouilh; surrealism in poetry, existentialism (Sartre, Camus); theatre of the absurd (Ionesco, Beckett); the new novel (Robbe-Grillet). Taught in French. Prerequisite: FR 308W. Periodic offering.

FR 424 FRENCH PHONETICS AND APPLIED LINGUISTICS (3)

Pronunciation, intonation, rhythm of French language. Taught in French. Prerequisite: FR 202. Periodic offering.

FR 426W NINETEENTH-CENTURY FRENCH NOVEL (3)

Representative French authors of the 19th century: Hugo, Flaubert, Balzac, Zola. Taught in French. Prerequisite: FR 308W. Periodic offering.

GERMAN**GR 101 ELEMENTARY GERMAN (4)**

Basic grammar. Fundamentals of pronunciation, reading. Introduction to cultural topics. Fall semester.

GR 102 ELEMENTARY GERMAN (4)

Basic grammar. Development of skills in reading, listening, speaking and writing. Discussion of cultural topics. Prerequisite: GR 101. Spring semester.

GR 130 EVERYDAY GERMAN (3)

Students speak only German in a non-structured situation. January Term.

GR 230 EVERYDAY GERMAN (3)

Continuation of GR 130. January Term.

GR 330 EVERYDAY GERMAN (3)

Continuation of GR 230. January Term.

GR 201 INTERMEDIATE GERMAN (4)

Grammar review as framework for conversation and composition. Current interest topics; discussion of cultural aspects. Prerequisites: GR 101, GR 102, or placement by exam. Fall semester.

GR 202 INTERMEDIATE GERMAN (4)

Continuation of GR 201 to develop fluency in the language. Written compositions and readings of medium difficulty. Prerequisite: GR 201. Spring semester.

GR 307W GERMAN CONVERSATION, COMPOSITION, AND ADVANCED GRAMMAR (3)

Short literary, cultural and historical works; topical issues as a springboard for composition and discussion. Grammar. Fall semester.

GR 308W GERMAN CONVERSATION, COMPOSITION, AND ADVANCED GRAMMAR (3)

Continuation of GR 307W. Prerequisite: GR 307W or equivalent. Spring semester.

GR 409W, 410W SURVEY OF GERMAN LITERATURE (3)

Study of development of German thought and culture through literature from the Middle Ages to the present. GR 410W concentrates on the 19th and 20th centuries. Taught in German. Periodic offering.

JAPANESE**JA 101,102 ELEMENTARY JAPANESE (4)**

First-year studies in the Japanese language, basic grammar and introduction to the culture. JA 101 is prerequisite to JA 102. JA 101 fall semester, JA 102 spring semester.

JA 130 EVERYDAY JAPANESE (3)

Brief review of grammar, pattern structures, and vocabulary. Intensive conversation class using what the students learned in JA 101. Prerequisite: JA 101. January Term.

JA 201,202 INTERMEDIATE JAPANESE (4)

Second-year studies in the Japanese language. Reading, writing, grammar, culture, current issues. JA 101, JA 102 are prerequisites for JA 201. JA 201 is prerequisite to JA 202. JA 201 fall semester, JA 202 spring semester.

RUSSIAN**RU 101, 102 ELEMENTARY RUSSIAN (4)**

First-year studies in the Russian language. Basic grammar and introduction to the culture. RU 101 is prerequisite to RU 102. RU 101 fall semester, RU 102 spring semester.

RU 201, 202 INTERMEDIATE RUSSIAN (4)

Second-year studies in the Russian language. Reading, writing, grammar. Culture, current issues. RU 101 and RU 102 are prerequisites to RU 201. RU 201 is prerequisite to RU 202. RU 201 fall semester, RU 202 spring semester.

RU 222 CONTEMPORARY RUSSIA (3)

Forces, individuals, events that have shaped Russia. Special emphasis on people's transition to new democratic system and market economy. Fulfills the multicultural requirement. Fall and spring semesters.

SPANISH**SN 101, 102 ELEMENTARY SPANISH (4)**

Focus on basic grammatical structures and vocabulary with an emphasis on listening and speaking skills. Taught mainly in Spanish. Cultural features included. Weekly language lab meetings are required in addition to class time. SN 101 fall is prerequisite to SN 102 spring.

SN 111 INTENSIVE ELEMENTARY SPANISH (4)

This course is designed for those students who have had some experience with the language. Basic structure and sound system taught. Students will cover one year of the language in one semester, taught mainly in Spanish. This course meets the college's one-year language requirement. Fall and spring semesters.

SN 130/230/330 INTENSIVE ORAL SPANISH (3)

No English allowed. Students immerse themselves in the language in a free, non-structured situation. Meals, guests, conversation. During odd-numbered years this course will be offered in another country such as Guatemala (in the city of Antigua). Students may go on their own during even years by doing an independent study with a faculty supervisor. SN 130 may be used to fulfill the foreign language requirement if taken before a study tour to Central America. In all other cases a student must complete SN 102. January Term.

SN 201, 202 INTERMEDIATE SPANISH (4)

Enhancement of communication skills by way of an in-depth grammar and grammar structure review, expanding previously acquired vocabulary base, emphasizing oral practice in realistic contents, developing student's ability to read and understand authentic, brief literary works, promoting cultural awareness of the Hispanic world, and integrating reading, writing and listening skills. Taught in Spanish. Prerequisites: SN 101/102 for SN 201, or placement by exam. SN 201 for SN 202. SN 201 fall semester, SN 202 spring semester.

SN 211 INTENSIVE INTERMEDIATE SPANISH (4)

See SN 201/202 for course objectives. Designed for students with experience in the language who have tested into this level or who have completed SN111. Students will cover the equivalent of SN 201 and SN 202 in one semester — the spring semester. Prerequisite: Appropriate test score and/or evaluation in light of Spanish experience.

SN 307W, 308W SPANISH CONVERSATION, COMPOSITION AND ADVANCED GRAMMAR (3)

Readings, composition, discussion of contemporary Hispanic literary, cultural and historical works, taught in Spanish. Contact via video, e-mail, satellite and Internet encouraged. Grammar review. SN 202 or SN 211 is the prerequisite for SN 307W, or appropriate test evaluation. SN 307W is the prerequisite for SN 308W. SN 307W fall semester, SN 308W spring semester.

SN 409W, 410W SURVEY OF SPANISH LITERATURE (3)

Study of the development of Spanish thought and culture by evaluation of representative literary works, taught in Spanish. Fall semester, odd years; Spring semester, even years. SN 307W is prerequisite, SN 308W recommended.

SN 419W SPANISH-AMERICAN CULTURE AND CIVILIZATION (3)

Exploration of contemporary Spanish-American culture in the USA and the Americas through readings from a variety of fields. Historical survey from the earliest times to present. Taught in Spanish. Fall semester, even years. SN 307W is prerequisite; SN 308W recommended.

SN 420W SPANISH CULTURE AND CIVILIZATION (3)

Historical survey of political, social, economic, religious, literary and artistic life in Spain from the earliest times to present. Taught in Spanish. Spring semester, odd years. SN 307W is prerequisite; SN 308W is recommended.

SN 445W CONTEMPORARY LATIN AMERICAN LITERATURE (3)

Study of major Latin American writers starting with the "boom." Representative works of authors from different countries and different genres will be covered. Taught in Spanish. Periodic offering. SN 307W is prerequisite; SN308W is recommended.

SN 448W NINETEENTH-CENTURY SPANISH LITERATURE (3)

Representative authors of literary movements of the 19th century, including romanticism and realism. Works of Larra, Duque de Rivas, Zorrilla and Galdós will be studied. Periodic offering. Taught in Spanish. SN 307W is prerequisite; SN 308W is recommended.

SN 449W TWENTIETH-CENTURY SPANISH LITERATURE (3)

Azorín, Unamuno, Pío Baroja, Benavente, etc. Authors and genres of the "Generation of 98." Taught in Spanish. Periodic offering. SN 307W is prerequisite; SN 308W is recommended.

SN 451W GOLDEN AGE LITERATURE (3)

Major works from the Renacimiento and Barroco movements. Study of Lazarillo de Tormes, Lope de Vega, Tirso de Molina, Calderón de la Barca. Taught in Spanish. Periodic offering. SN 307W is prerequisite; SN308W is recommended.

SN 452W MIDDLE AGE SPANISH LITERATURE (3)

A study of the principal Middle Age works including theater, poetry and prose. Poema de Mío Cid, El Conde Lucanor, Libro de Buen Amor, etc. Periodic offering. Taught in Spanish. SN 307W is prerequisite; SN 308W is recommended.

SN 453W COLONIAL LITERATURE (3)

Historical narrative and the fictional discourse into which it transformed itself. Poetry, other literary forms. Taught in Spanish. Periodic offering. SN 307W is prerequisite; SN 308W is recommended.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

MUSIC

FACULTY: Daniel Keberle (Chair), Richard Evans, Deborah Hansen, Judith Schoepflin, Michael Young

Ensembles and private lessons: Sylvia Baker (saxophone), Katharine Keen Beal (bell choir), Jeri Bentley (strings), J. Brasch (jazz guitar), Cheryl Carney (cello), Chris Cook (trumpet), Brent Edstrom (jazz piano), Darcey Elliott (piano), Lynn Feller (bassoon), Paul Grove (guitar), Marjory Halvorson (voice, pedagogy, diction, literature), Richard Hubbard (jazz saxophone), Del Hungerford (clarinet), E. Jablonsky (jazz bass), Sheri Jacobson (flute), Daniel Keberle (trumpet, jazz ensemble, jazz choir), D. Kiszley-Papp (piano), I. Kuljus (accordion), Todd Larson (string bass), David Matern (trombone), Darnelle Preston (voice), Paul Raymond (percussion), Judith Schoepflin (piano), Leslie Stratton-Norris (harp), David Stultz (jazz trombone), Keith Thomas (oboe), Rick Westerick (jazz percussion), Margaret Wilds (French horn), Michael Young (organ, composition)

REQUIREMENTS FOR A MUSIC MAJOR — B.A. (49-50)

MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
MU 201W	Introduction to Music Literature	3
MU 210	Music Theory III	3
MU 211	Ear Training III	1
MU 212	Music Theory IV	3
MU 213	Ear Training IV	1
MU 225	General Conducting	2
MU 301	Music History I	3
MU 302	Music History II	3
MU 383	Junior Recital	0-1
MU 192-492	Eight semesters of recital hours	0
Six semesters of private lessons (four semesters at the 100-200 level and two semesters at the 300-400 level)		6
Eight semesters of ensembles		8
Six semester credits of elective music courses		6
One of the following: (waived for piano students)		2
MU 141 Class Piano		
One year private lesson in piano		
Show proficiency, with or without credit.		

In addition to the requirements listed above, students may elect the following areas of emphasis:

EMPHASIS AREAS IN MUSIC**CHURCH MUSIC****(49-50)**

Music major requirements less 6 semester credits of approved music courses		44
MU 405	History of Liturgy and Church Music	2
MU 407	Introduction to Church Music	2
MU 394	Church Music Practicum	2

COMPOSITION**(55-57)**

Music major requirements, less six semester credits of approved music courses	43
MU 410 Counterpoint	3
MU 432 Orchestration	3
Composition lessons at 300 and 400 levels	4
One of the following:	1-2
MU 220 Beginning Composition	
MU 331 String Techniques	
MU 332 Percussion Techniques	
MU 333 Woodwind Techniques	
MU 334 Brass Techniques	
MU 427 Advanced Conducting	
MU 443 Choral Techniques	
MU 383 Junior Recital (optional half recital in junior year)	0-1
MU 483 Senior Recital (full recital of original compositions in senior year)	0-2

JAZZ PERFORMANCE**(58)**

Music major requirements, less six semester credits of approved music courses	43
Four classical lessons (credits included in music major requirements) ..	0
MU 161-461 Private Jazz Improvisation Lessons	4
MU 149-449 Class Jazz Combo	4
MU 206 Jazz In America (History)	3
MU 383 Junior Recital (1/3 classical, 2/3 jazz)	0
MU 483 Senior Recital (1/3 classical, 2/3 jazz)	0
Private Jazz Arranging Lessons	1
Junior and Senior Recital, 1/3 classical, 2/3 jazz	0
Jazz instrumental emphasis students must play in jazz ensemble every semester (MU 174-474, eight credits).	
Jazz vocal emphasis students must sing in jazz choir every semester (MU 179-479, eight credits).	
Electives (recommended):	
MU 161-461 Private Jazz Piano Lessons (instrumentalists and vocalists)	
MU 348 Computer, Synthesizer, Sequencer	
Private Jazz Arranging second semester	
MU 161-461 Private Jazz Improvisation (additional lessons)	
MU 160-460 Private clarinet and flute lessons (for saxophone players)	

INSTRUMENTAL PERFORMANCE**(53-54)**

Music major requirements, less six semester credits of approved music courses	43
Double lessons at 300 and 400 levels	4
MU 416 Instrumental Music Literature	2
One of the following:	1
MU 149 Jazz Combo	
MU 170 Chamber Ensemble	
One of the following:	2-3
MU 206 Jazz in America	
MU 331 String Techniques	
MU 332 Percussion Techniques	
MU 333 Woodwind Techniques	
MU 334 Brass Techniques	
MU 404 Symphonic Literature	
MU 383 Junior Recital (credit contained in extra lessons)	0
MU 483 Senior Recital (credit contained in extra lessons)	0

ORGAN PERFORMANCE**(53)**

Music major requirements, less six semester credits of approved music lessons	41
Double lessons at the 300 and 400 levels	4
MU 405 History of Liturgy and Church Music	2
MU 407 Intro to Church Music	2
MU 491 Independent Study: Literature for the Church Organist	2
MU 427 Advanced Conducting	2
MU 383 Junior Recital (credit contained in extra lessons)	0
MU 483 Senior Recital (credit contained in extra lessons)	0

PIANO PEDAGOGY**(56)**

Music major requirements, less six semester credits of approved music courses	41
MU 330 Piano Pedagogy	2
MU 337 Piano Literature	2
MU 394 Music Practicum (Piano Pedagogy, 2 semesters)	4
Four semesters of additional private lesson credit	4
(additional piano required for state certification but not for degree)	
MU 383 Junior Recital (credit contained in extra lessons)	0
One approved psychology course in the area of human growth and development	3

PIANO PERFORMANCE**(51)**

Music major requirements, less six semester credits of approved music courses	41
MU 330 Piano Pedagogy	2
Four semesters of extra piano lesson credit	4
Chamber music ensemble involving piano or supervised accompanying	2
MU 337 Piano Literature	2
MU 383 Junior Recital (credit contained in extra lessons)	0
MU 483 Senior Recital (credit contained in extra lessons)	0

VOICE PERFORMANCE (57-58)

Music major requirements, less six semester credits of approved Music courses	43
Four semesters of extra voice lesson credit	4
MU 335 Diction I: Italian, German, Latin	2
MU 336 Diction II: French, English, Spanish	2
MU 439 Vocal Pedagogy	2
MU 438 Song Literature	2
Choose from the following:	2-3
MU 284 Opera Workshop	
Opera History or Music for the Stage	
TA 145 Theatre Production (variable credit)	
TA 231 Oral Interpretation	
TA 273 Acting	
MU 383 Junior Recital (credit contained in extra lessons)	0
MU 483 Senior Recital (credit contained in extra lessons)	0

MUSIC CORE COURSES REQUIRED FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN ENGLISH, or ELECTIVE STUDIES IN RELIGION, or ELECTIVE STUDIES IN THEATRE (42)

MU 110 Music Theory I	3
MU 111 Ear Training I	1
MU 112 Music Theory II	3
MU 113 Ear Training II	1
MU 201W Introduction to Music Literature	3
MU 210 Music Theory III	3
MU 211 Ear Training III	1
MU 212 Music Theory IV	3
MU 213 Ear Training IV	1
MU 225 General Conducting	2
MU 301 Music History I	3
MU 302 Music History II	3
MU 383 Junior Recital	1

Six semesters of private lessons 6
 Eight semesters of ensembles 8
 Two semesters of MU 141 are required. (Students are placed according to their proficiency in MU 141 and the credit for MU 141 does not count toward required credits for a music major.)
 Complete the above foundation courses in music plus one of the following areas: English, religion, or theatre.

REQUIREMENTS FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN ENGLISH (60)

Music core courses	42
EL 125 Reading Literature	3
EL 205 American Literature: Eras and Modes	3
One of the British Literature survey courses:	3
EL 207 British Literature to 1800	
EL 208 British Literature 1800 to the Present	
One of the following:	3
EL 207 British Literature to 1800	
EL 208 British Literature 1800 to the Present	
EL 212 Religious Themes in Modern Literature	
EL 251 Modern World Literature	
EL 245 Introduction to Creative Writing	
EL 250 American Film	
Completion of any two upper-division literature or writing courses (Recommended: EL 353 or EL 354, Shakespeare)	6

REQUIREMENTS FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN RELIGION (60)

Music core courses	42
RE 154 Introduction to the Christian Faith	3
RE 323 American Christianity	3
RE 361 Christian Doctrine	3
RE 393 Christian Spirituality	3
Six semester credits chosen from the following:	6
RE 130 Introduction to the Bible	
RE 231 Old Testament	
RE 241 New Testament	
RE 247 Matthew's Gospel	
RE 250 John's Gospel	

REQUIREMENTS FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN THEATRE (63)

TA 231 Performance Theory and Practice: Interpretation	3
TA 273 Acting	3
TA 279 Voice for the Performer	3
TA 361 Fundamentals of Directing	3
One of the following:	3
TA 275 Technical Theatre	
TA 375 Technical Theatre	
One of the following:	3
TA 476W History of Theatre I	
TA 477W History of Theatre II	
One of the following:	3
TA 145,245,345,445 Theatre Production	
TA 255 Story Theatre	
TA 276 Improvisational Acting	
TA 348 Chamber Theatre	

Additional emphasis areas by arrangement with music faculty advisor.

REQUIREMENTS FOR A MUSIC EDUCATION MAJOR — B.A. (62-63)

(K-12 endorsement, choral or instrumental track)

Both tracks require the following music core courses: (52)

MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
MU 201W	Introduction to Music Literature	3
MU 210	Music Theory III	3
MU 211	Ear Training III	1
MU 212	Music Theory IV	3
MU 213	Ear Training IV	1
MU 225	General Conducting	2
MU 301	Music History I	3
MU 302	Music History II	3
MU 427	Advanced Conducting	2
MU 432	Orchestration	3
MU 440	Elementary Music Methods	2
MU 442	Secondary Music Methods	2
MU 481	Field Experience	3
MU 192-492	Seven semesters of recital hours	0

(If student teaching is at secondary level, MU 481 should be at elementary level and vice versa. Music 481, Field Experience, at the alternate level can be met by: ED 323, 324, 325 Multicultural Field Experience.)

Six semesters of private lessons 6

Seven semesters of ensembles 7

Two semesters of MU 141 (credit does not count toward the degree) 0

Recital Performance Proficiency 0

MU 192-492 Recital Hours 0

*Must take one or both of the following tracks:

Choral Track		(62)
Foundation courses for music education major 52		
MU 140	Class Guitar	1
MU 157	Private Piano (two terms with a grade of B or better)...	2
MU 415	Choral Literature	2
MU 443	Choral Techniques/Methods	3
Music electives		2

Instrumental Track		(61)
Foundation courses for music education major 52		
MU 331	String Techniques	1
MU 332	Percussion Techniques	1
MU 333	Woodwind Techniques	1
MU 334	Brass Techniques	1
MU 416	Instrumental Music Literature	2
MU 444	Instrumental Methods	3

All Tracks

Professional education courses must be taken from the School of Education. Refer to the School of Education section in this catalog.

REQUIREMENTS FOR AN ARTS ADMINISTRATION MAJOR — MUSIC EMPHASIS B.A. (46)

MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
MU 201W	Introduction to Music Literature	3
MU 225	Basic Conducting	2
MU 301	Music History I	3
MU 302	Music History II	3
4 semester credits in lessons		4
4 semester credits in ensembles		4
Seminar in Arts Administration		3
MU 390/490	Approved Internship	3
BU 230	Basic Accounting I	4
BU 374	Principles of Management	3
CS 170	Computer Information Systems	3
JR 244	Publicity and Public Relations	3

REQUIREMENTS FOR A MINOR IN MUSIC (23)

Four semester credits of music lessons		4
Four semester credits of music ensembles		4
MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
One of the following:		3
MU 201W	Introduction to Music Literature	3
FA 101	Introduction to the Fine Arts	3
MU 225	General Conducting	2
Two semester credits of music electives		2
MU 192/292	Recital Hours	0

NOTE TO ALL MUSIC AND MUSIC EDUCATION MAJORS

A great deal of additional information about the music program is listed in the publication, "Student Guide to a Music Major," which is available on request or can be obtained from the Music Department.

FINE ARTS COURSE

FA 101 INTRODUCTION TO THE FINE ARTS (3)

Integrates the disciplines of art, music, theater and dance into an examination of the fine arts experience. Elements, media, expressiveness. Periodic offering. Fall semester.

MUSIC COURSES

MU 103 LISTENING TO MUSIC (3)

A course that will guide students to intelligent listening as well as understanding music. Masterworks and popular music will be used. January term, periodic offering.

MU 110 MUSIC THEORY I (3)

Notation, scale structure, intervals, simple harmonic progressions. Work at the keyboard is included. Fall semester.

- MU 111, 113, 211, 213 EAR TRAINING I, II, III, IV (1)**
Ear training, sight singing. Taken concurrently with corresponding music theory course.
- MU 112 MUSIC THEORY II (3)**
Seventh chords, inversions, non-harmonic tones, modulations, altered chords, complex chord progressions. Work at the keyboard is included. Prerequisite: MU 110. Spring semester.
- MU 113 See MU 111**
- MU 196 TOPICS IN MUSIC (1-3)**
Selected lower-division topics in music. Periodic offering.
- MU 201W INTRODUCTION TO MUSIC LITERATURE (3)**
Major developments within each of the major stylistic periods from the Middle Ages to the present. Composers and their works, terminology and forms, concepts, research and resources. Spring semester.
- MU 206 JAZZ IN AMERICA (3)**
Comprehensive review of the cultural settings from which jazz emerged. Major jazz styles, composer/performers, and recordings. Fall semester.
- MU 207 TWENTIETH-CENTURY AMERICAN MUSIC (3)**
An in-depth examination of musical masterpieces of 20th-century America. Compositions by Gershwin, Ives, Copland and others will be examined. Fall semester every three years, beginning in Fall 1997.
- MU 210 MUSIC THEORY III (3)**
Continuation of topics in MU 112. Emphasis on traditional musical forms such as theme and variations, rondo and sonata, with some writing in these forms. Prerequisite: MU 112. Fall semester.
- MU 211 See MU 111**
- MU 212 MUSIC THEORY IV (3)**
An introduction to contemporary harmonic idioms. Eleven written assignments of varied natures. Prerequisite: MU 210. Spring semester.
- MU 213 See MU 111**
- MU 220 BEGINNING COMPOSITION (2)**
Study of musical works with regard to relevant compositional points. Exploration of musical writing for specific combinations of instruments and/or voices. Prerequisite: MU 110 or permission.
- MU 225 GENERAL CONDUCTING (2)**
Basic techniques of choral and instrumental conducting. Fall semester.
- MU 235 FINE ARTS IN WESTERN WORLD (3)**
A music appreciation course covering basic techniques for listening to classic pieces of music. Exploration of the historical forces that have influenced the great compositions of our culture. Periodic offering.
- MU 284 OPERA WORKSHOP (2)**
Preparation of roles from opera and/or operettas, with performance at the end of the term. Acting, vocal techniques, stage movement. January Term.
- MU 300 DOMAIN OF THE ARTS (3)**
Exploration of drama, poetry, dance, music, art, and film in various locations. The arts in relation to society, values, faith. January Term.
- MU 301 MUSIC HISTORY I (3)**
Musical styles, forms, composers from ancient times through the Baroque. Lectures, reading, score analysis, coordinated listening. Prerequisite: MU 201W. Fall semester.
- MU 302 MUSIC HISTORY II (3)**
Continuation of topics in MU 301, covering the Classical period to the present. Prerequisite: MU 201W. Spring semester.
- MU 313 MUSIC STUDY: LONDON (3)**
Preview, attendance and review of live performances of orchestras, choruses and solo musicians on site in London. Opera, musicals, major choral works, symphonies, recitals. January Term, even years.
- MU 330 PIANO PEDAGOGY (1)**
Exploration of concepts, materials and methods. Fall semester, even years.
- MU 331 STRING TECHNIQUES (1)**
Techniques, materials, methods, application of scoring. Fall semester, even years.
- MU 332 PERCUSSION TECHNIQUES (1)**
Techniques, materials, methods, application of scoring. Spring semester, odd years.
- MU 333 WOODWIND TECHNIQUES (1)**
Techniques, materials, concepts, application of scoring. Fall semester, odd years.
- MU 334 BRASS TECHNIQUES (1)**
Techniques, materials, concepts, application of scoring. Spring semester, even years.
- MU 335 DICTION I: ITALIAN, GERMAN, LATIN (2)**
Exposure to Italian, German, and Latin through study of the International Phonetic Alphabet (IPA). Listening, song texts and poetry, performance and score reading of Baroque to 20th-century literature. Fall semester, even years.
- MU 336 DICTION II: FRENCH, ENGLISH, SPANISH (2)**
Exposure to French, English, and Spanish through study of The International Phonetic Alphabet (IPA). Listening, song texts and poetry, performance and score reading of Baroque to 20th-century literature. Spring semester, even years.
- MU 337 PIANO LITERATURE (2)**
Study of the major repertoire and its composers from the Renaissance to the present. Fall semester, odd years.
- MU 340 ELEMENTARY MUSIC: CURRICULUM AND METHODS (2)**
Curriculum and methods for teaching music in the elementary school. Procedures, materials for teaching music in the self-contained elementary classroom. Designed for non-music majors. Fall and spring semesters; January Term.

MU 348 SYNTHESIZER, SEQUENCER AND COMPUTER (2)

Students will use synthesizers, sequencers and computers to compose, arrange, orchestrate and/or publish music ranging from jazz to orchestral.

MU 365 MUNICH, ROME JAZZ WORKSHOP (3)

A select group of Whitworth jazz students (enrollment by audition only) will spend January Term in Munich where they will join with German students from the Munich Academy of Music in various jazz classes, ensembles, and concerts. Offered periodically, January Term.

MU 383 JUNIOR RECITAL (Varies)

Music majors only. Department approval required. Fall and spring semesters.

MU 394 MUSIC PRACTICUM (2)

Required for students in piano pedagogy emphasis and in church music emphasis. Piano teaching involved in piano pedagogy emphasis. Prerequisite: junior standing.

MU 396 TOPICS IN MUSIC (1-3)

Selected upper-division topics in music. Periodic offering.

MU 405 HISTORY OF LITURGY AND CHURCH MUSIC (2)

A survey of worship practices and music in the Christian church from its beginnings to the present day. Fall semester, odd years.

MU 407 INTRODUCTION TO CHURCH MUSIC (2)

The role of music in worship traditions of the Christian church; methods for implementation of a successful church music program. Fall semester, even years.

MU 410 COUNTERPOINT (3)

In-depth exploration of fugue, invention forms. J.S. Bach, selected contemporary composers as illustrations. Student construction of fugue based on Bach's models. Periodic January Terms.

MU 415 CHORAL LITERATURE (2)

History of choral literature from the Renaissance to the present. Offered fall semester, odd years.

MU 416 INSTRUMENTAL MUSIC LITERATURE (2)

Fall semester, even years.

MU 427 ADVANCED CONDUCTING (2)

Advanced techniques of choral and instrumental conducting. Score study. Prerequisite: MU 225 with a grade of "C" or better. Spring semester.

MU 432 ORCHESTRATION (3)

Practical ranges of the instruments of the orchestra, transposing music for any instrument, and transcribing music for full orchestra and band. Score reading, error detection, instrumental balance. Prerequisites: MU 110, MU 112 and MU 210 and junior standing. Spring semester.

MU 438 SONG LITERATURE (2)

Survey of the great song literature of Germany, France, Italy, Russia and Scandinavia, and of the literature of English and Spanish languages. Study of style, characteristics, score reading, listening and recognition.

MU 439 VOCAL PEDAGOGY (2)

A systematic study of vocal physiology and anatomy. Consideration of current teaching trends and preparation of materials for teaching. Practicum in teaching. Fall semester, odd years.

MU 440 MUSIC METHODS IN THE ELEMENTARY SCHOOL (2)

Procedures, materials for elementary school music teaching. For music majors, minors who may become elementary music specialists. Teaching, observation of lessons, performance organization. Spring semester, even years.

MU 442 SECONDARY MUSIC METHODS (2)

Exploration of all aspects of secondary school music teaching. Includes actual teaching experience. Spring semester, odd years.

MU 443 CHORAL TECHNIQUES AND MATERIALS (3)

Techniques, problems in choral conducting, rehearsal procedure. Fall semester, odd years.

MU 444 INSTRUMENTAL METHODS AND MATERIALS (3)

Rehearsal techniques, instrumental literature and materials, marching band techniques, program utilization. Spring semester, odd years.

MU 481 FIELD EXPERIENCE (3)

Required of music education majors. May be merged with ED 324, Multicultural field experience.

MU 482/582 WIND ENSEMBLE SYMPOSIUM (1)

This workshop is intended for the professional growth and development of the wind ensemble conductor, both for practicing professionals and for those in pre-professional training. Subjects covered will include conducting techniques, score preparation and study, wind ensemble history, and rehearsal techniques. May be repeated for credit. Summer.

MU 483 SENIOR RECITAL (0-2)

For music majors with performance emphasis only. Prerequisite: MU 383. Fall and spring semesters.

MU 525 ORFF SCHULWERK: TEACHER TRAINING LEVEL I (4)

A study of the basic philosophy of Orff's approach to music education for children. Students will participate in instrumental and choral ensembles, recorder techniques, movement, an examination of basic pedagogy, and related special topics. Prerequisite: Introduction to Schulwerk or equivalency in music proficiency.

CLASS LESSONS (1)

(Class instruction. Limited to eight students per section. Fee in addition to tuition. Fall and spring semesters.)

MU 140, 240 BEGINNING, INTERMEDIATE CLASS GUITAR**MU 141 CLASS PIANO****MU 142 CLASS VOICE****MU 149, 249, 349, 449 JAZZ COMBO**

PRIVATE LESSONS

(1-2)

(per weekly half- to one-hour lessons)

(Available to all Whitworth students. May be repeated for credit at the same level. Fee in addition to tuition. Special policies for January Term lessons.)

MU 150, 250, 350 450

MU 151, 251, 351, 451

MU 152, 252, 352, 452

MU 153, 253, 353, 453

MU 154, 254, 354, 454

MU 155, 255, 355, 455

MU 156, 256, 356, 456

MU 157, 257, 357, 457

MU 158, 258, 358, 458

MU 159, 259, 359, 459

MU 160, 260, 360 460

MU 161, 261, 361, 461

MU 162, 262, 362, 462

MU 163, 263, 363, 463

PRIVATE ACCORDION

PRIVATE BANJO

PRIVATE BRASS

PRIVATE GUITAR

PRIVATE HARPSICHORD

PRIVATE ORGAN

PRIVATE PERCUSSION

PRIVATE PIANO

PRIVATE STRINGS

PRIVATE VOICE

PRIVATE WOODWINDS

PRIVATE JAZZ IMPROVISATION

PRIVATE COMPOSITION

PRIVATE JAZZ ARRANGING

PERFORMANCE ENSEMBLES

(1)

(Available to all Whitworth students. May be repeated for credit at the same level. Selected January Term offerings.)

MU 168, 268, 368, 468 BELL CHOIR

(1)

Handbell ringing techniques and literature. Performance in Chapel and occasional service participation in area churches.

MU 170, 270, 370, 470 CHAMBER ENSEMBLE

(1)

By permission. Performance in a small vocal or instrumental ensemble.

MU 171, 271, 371, 471 WHITWORTH CHOIR

(1)

By audition. Works of all periods, a cappella and accompanied. Annual tour. The Whitworth Choir is in residence for rehearsal during January Term, odd years.

MU 172, 272, 372, 472 CHAPEL SINGERS

(1)

A non-auditioned choir open to the college community. Especially for those who want to learn more about choral singing. Will regularly sing in chapel.

MU 173, 273, 373, 473 WIND ENSEMBLE

(1)

By audition, permission. Primarily original works for band and wind ensemble. Annual tour.

MU 174, 274, 374, 474 JAZZ ENSEMBLE

(1)

By audition. All jazz styles. Annual concerts with guest artists, jazz festivals, tours. Jazz workshops in Munich and Rome during January Term. Tours with Wind Ensemble.

MU 175, 275, 375, 475 CHAMBER SINGERS

(1)

A select, small choral ensemble, the members being chosen from the Whitworth Choir. By audition.

MU 178, 278, 378, 478 STRING ENSEMBLE

(1)

By audition, permission. Open to students, community. String Ensemble presents a concert each fall and spring semester. Advanced string students can also audition to be part of Whitworth's string apprentice program with the Spokane Symphony Orchestra.

MU 179, 279, 379, 479 JAZZ CHOIR

(1)

By audition in the fall semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

NURSING

Whitworth College nursing advisors: Undergraduate program leading to the bachelor of science in nursing degree: Lee Anne Chaney (Whitworth Biology Department, advisor), Billie Severtsen (ICNE instructor, advisor). Graduate program leading to the master of nursing degree: Marian Sheafor (ICNE Associate Dean).

Intercollegiate Center for Nursing Education personnel: Dean: Thelma Cleveland, R.N., Ph.D.; Associate Dean: Marian Sheafor, R.N., Ph.D. Faculty: Professors: M. Bruya, C. Clark, Z. Higgs, A. Mealey, M. Sheafor, J. Thiele. Associate Professors: C. Adams, J. Banasik, B. Johnston, T. Bayne, R. Bindler, T. Cleveland, R. Emerson, R. Hoeksel, J. Holloway, S. Jenkin, L. Kirkhorn, K. Lishner, M. Rice, L. Schumann, B. Severtsen, G. Synoground. Assistant Professors: D. Anderson, M. Armstrong, K. Busch, K. Crow, L. LeCuyer, K. Records.

The ICNE is a unique consortium program serving Whitworth College, Washington State University and Eastern Washington University. The faculty, staff and instructional resources of the ICNE are located on an extended campus in Spokane. The center was established in 1968. The BSN and master's programs are accredited by the National League for Nursing and approved by the Washington State Board of Nursing.

Two programs leading to academic degrees are offered at the center. The undergraduate nursing major leading to the bachelor of science degree in nursing prepares generalists in professional nursing practice. Upon successful completion of the baccalaureate program, graduates are eligible to take the licensure examination for registered nurses. The master of nursing program prepares students for leadership positions in acute care, psych/mental health, community health nursing and family nurse practice. Three functional support areas include nursing service, nursing education and school nursing. The center also has a continuing education program that offers workshops, conferences, home study options and telecourses in the Inland Northwest.

UNDERGRADUATE PROGRAM (BSN)

Application/Admission

Applicants must obtain an application from the Registrar's Office at Whitworth College. The completed application must be returned to the Registrar's Office by February 15 for August admission and by September 1 for January admission.

All courses prerequisite to the upper-division major, general college/university requirements and junior standing must be completed by the end of spring term for enrollment the following fall and by the end of fall term for spring enrollment. No more than three prerequisite courses may remain to be completed during the spring or fall term when the application is being reviewed. A letter or numerical grade must be submitted for prerequisite courses. The pass/no credit option cannot be used. Residency of 32 semester credits is required at Whitworth prior to acceptance at ICNE.

Applicants are judged on the following criteria:

1. cumulative GPA of 2.50 or higher;
2. cumulative GPA of 2.50 or higher in prerequisite courses;
3. each prerequisite course must have at least a "C" grade; P/F grades are not accepted;
4. junior standing;
5. quality of writing and content of response to the question on why the applicant has selected a career in nursing.

For further information on the upper-division program at ICNE, contact the Associate Dean for Academic Affairs, Intercollegiate Center for Nursing Education, 2917 West Fort George Wright Drive, Spokane, Washington, 99224, or call (509) 324-7338.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN NURSING (130)

130 semester credits, including the 95 credits of prerequisite and nursing courses. Completion of Whitworth's general graduation requirements (oral communication, foreign language and Core 250 or 350 are waived for nursing majors).

Required nursing prerequisites:

(32)

BI 204	Microbiology	4
BI 220	Human Anatomy	4
BI 221	Human Physiology	4
CH 101	Introduction to Chemistry	3
CH 101L	Introduction to Chemistry Lab	1
CH 163	Bioorganic Chemistry	3
CH 163L	Bioorganic Chemistry Lab	1
MA 356	Elementary Probability and Statistics	3
NF 315	Nutrition	3
PY 101	Introductory Psychology	3
SO 120	Social Reality	3

First Aid and CPR certification are required prior to registering for courses at ICNE.

Required nursing courses (ICNE):	(61)
NU 200	Profession of Nursing 2
NU 310	Pharmacological Basis of Nursing Practice 2
NU 312	Pathophysiological Basis of Nursing Practice 3
NU 313	Mental Health Concepts: Individual & Family 2
NU 320	Nursing Concepts: Foundations 3
NU 321	Nursing Practice: Foundations 4
NU 330	Nursing Concepts/Practice: Health Assessment 3
NU 342	Nursing Concepts: Maternity Nursing 2
NU 343	Nursing Practice: Maternity Nursing 3
NU 344	Nursing Concepts: Nursing of Children 2
NU 345	Nursing Practice: Nursing of Children 3
NU 346	Nursing Concepts: Family and Child Development .. 2
NU 401	Nursing Leadership: Research 2
NU 402	Nursing Leadership: Group Theory & Practice 2
NU 403	Nursing Leadership: Critical Issues 3
NU 420	Nursing Concepts: Adult 5
NU 421	Nursing Practice: Adult 6
NU 440	Nursing Concepts: Community Health 2
NU 441	Nursing Practice: Community Health 4
NU 450	Nursing Concepts: Psych/Mental Health 3
NU 451	Nursing Practice: Psych/Mental Health 3
One additional approved upper-division elective (nursing or non-nursing)	2

Available upper-division nursing electives:

NU 350	Therapeutic Communication in Nursing
NU 477	Analysis of Health Care Ethics
NU 483	Advanced Gerontological Nursing
NU 498	Special Topics in Nursing
NU 499	Special Problems/Independent Study

NURSING COURSES

NU 200	PROFESSION OF NURSING	(2)
Selected theoretical/historical aspects of professional nursing. Development of nursing roles, scopes of practice, problem-solving, and ethical decision-making.		
NU 310	PHARMACOLOGICAL BASIS OF NURSING PRACTICE	(2)
Utilization of pharmacological concepts as a basis for critical thinking and decision-making in nursing. Prerequisite: major in nursing or written permission of instructor.		
NU 312	PATHOPHYSIOLOGICAL BASIS OF NURSING PRACTICE	(3)
Pathophysiological processes, interrelatedness with physiological defense mechanisms, theories of stress adaptation, age and psychological/behavioral responses. Prerequisite: major in nursing or written permission of instructor.		
NU 313	MENTAL HEALTH CONCEPTS: INDIVIDUAL AND FAMILY	(2)
Critical analysis of nursing's use of mental health concepts incorporating the neural basis of behavior, social systems, and culture. Prerequisite: major in Nursing or written permission of instructor.		

NU 320	NURSING CONCEPTS: FOUNDATIONS	(3)
Nursing concepts foundational to care of well/ill clients. Nursing process, nurse/client roles, communication, relationships, basic needs and teaching/learning theories will be introduced. Prerequisites: NU 310, NU 312, NU 330, or concurrent enrollment.		

NU 321	NURSING PRACTICE: FOUNDATIONS	(4)
Clinical application of the nursing process with emphasis on psychomotor skills and interpersonal relationships in the care of adult clients. Prerequisites: NU 310, NU 312, NU 320, NU 330, or concurrent enrollment.		

NU 330	NURSING CONCEPTS/PRACTICE: HEALTH ASSESSMENT	(3)
Holistic multi-dimensional assessment of the well client throughout the adult years; comparison of findings with established norms. Prerequisite: major in nursing or written permission of instructor.		

NU 342	NURSING CONCEPTS: MATERNITY NURSING	(2)
Normal reproductive processes and common health problems associated with reproduction. Assessment and nursing care during the antepartum, intrapartum, and postpartum cycles. Prerequisites: NU 310, NU 312, NU 320, NU 321, and NU 330. NU 313 and NU 346 as prerequisite or concurrent enrollment.		

NU 343	NURSING PRACTICE: MATERNITY NURSING	(3)
Experience in the care of mothers in the antepartum, intrapartum, and postpartum periods and newborns. Family care and family planning. Prerequisites: NU 310, NU 312, NU 320, NU 321 and NU 330. NU 313, 342, 346 as prerequisite or concurrent enrollment.		

NU 344	NURSING CONCEPTS: NURSING OF CHILDREN	(2)
Normal growth and development concepts applied to maintenance of child health, care of acutely ill hospitalized children, and needs of children requiring chronic care. Prerequisites: NU 310, NU 312, NU 320, NU 321, and NU 330. NU 313, NU 346 as prerequisite or concurrent enrollment.		

NU 345	NURSING PRACTICE: NURSING OF CHILDREN	(3)
Experience in health maintenance and nursing care of children with acute and/or chronic health problems emphasized. Family is included in care planning. Prerequisites: NU 310, NU 312, NU 320, NU 321, and NU 330. NU 313, NU 344, and NU 346 as prerequisite or concurrent enrollment.		

NU 346	NURSING CONCEPTS: FAMILY AND CHILD DEVELOPMENT	(2)
Physical, cognitive, psychosocial and moral development of children, infancy through adolescence; theoretical frameworks include Freud, Erikson, Piaget, Kohlberg; family theory is explored. Prerequisite: major in nursing or written permission of instructor.		

NU 401	NURSING LEADERSHIP: RESEARCH	(2)
Focus on the process of scientific inquiry used in investigating nursing problems. Prerequisite: major in nursing or written permission of instructor.		

NU 402 NURSING LEADERSHIP: GROUP THEORY (2)

Study of group theories and dynamics; nursing process applied to group as client. Co-leading experience to develop group leadership skills. Prerequisite: major in nursing or written permission of instructor.

NU 403 NURSING LEADERSHIP: CRITICAL ISSUES (3)

Application of leadership/management theories to steps of the management process; analysis of selected issues critical to the professional nurse. Prerequisites: NU 420, NU 421.

NU 420 NURSING CONCEPTS: ADULTS (5)

Medical surgical concepts as a basis for critical thinking and decision-making in nursing. Prerequisites: NU 342, NU 343, NU 344, NU 345. NU 401, NU 420 as prerequisite or concurrent enrollment.

NU 421 NURSING PRACTICE: ADULTS (6)

Holistic nursing management of adult health/illness problems. Demonstration of critical thinking in development of clinical judgment and skill acquisition. Development of clinical judgment and skills. Prerequisites: NU 342, NU 343, NU 344, and NU 345. NU 401 and NU 420 as prerequisite or concurrent enrollment.

NU 440 NURSING CONCEPTS: COMMUNITY HEALTH (2)

Synthesis of nursing and public health concepts with focus on community as partner and population-based practice. Prerequisites: NU 420; 421 as prerequisite or concurrent enrollment.

NU 441 NURSING PRACTICE: COMMUNITY HEALTH (4)

Clinical application of nursing, public health, and management concepts. Emphasis on population-based collaborative practice. Additional credit: Management theory application. Prerequisites: NU 420, NU 421. NU 402, NU 403, NU 440 as prerequisite or concurrent enrollment.

NU 450 NURSING CONCEPTS: PSYCHIATRIC/MENTAL HEALTH (3)

Nursing process with clients experiencing psychiatric/mental health disruptions. History, theories, legal/ethical issues of psychiatric/mental health nursing. Prerequisites: NU 420 and NU 421.

NU 451 NURSING PRACTICE: PSYCHIATRIC/MENTAL HEALTH (3)

Clinical application of nursing process with clients experiencing acute and chronic psychiatric/mental health disruptions. Prerequisites: NU 402, NU 420, NU 421. NU 450 as prerequisite or concurrent enrollment.

UNDERGRADUATE ELECTIVE COURSES

NU 307 ASSERTIVENESS TRAINING FOR NURSES (2)

Assertiveness training to assist professional nurses in improving interpersonal relationships in nursing situations. Prerequisite: junior in nursing.

NU 350 THERAPEUTIC COMMUNICATION IN NURSING (1-2)

Therapeutic communication and relationship development with the well/ill client. Examination of various coping strategies used by nurse and client.

NU 477 ANALYSIS OF HEALTH CARE ETHICS (2-3)

Analysis of ethical theories including deontology, teleology, virtue ethics, and their applicability to ethical dilemmas in nursing.

NU 483 ADVANCED GERONTOLOGICAL NURSING (3)

Selected physical, emotional and social problems of the elderly. Identification of the nurse's role and interventions in a variety of settings. Public policy issues.

NU 498 SPECIAL TOPICS IN NURSING (1-3)

NU 499 INDEPENDENT STUDY (1-4)

Study of a theoretical or clinical area of interest not available through conventional course offerings.

PHYSICS

FACULTY: Delbert Friesen (Chair), Salah Badjou, Lois Kieffaber

REQUIREMENTS FOR A PHYSICS MAJOR — B.A. (55)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
PS 273	Electronics	4
PS 355W	Quantum Mechanics	4
PS 363W	Thermodynamics	4
One of the following:		4
PS 451	Electricity and Magnetism I	
PS 461	Theoretical Mechanics I	
MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 212	Differential Equations	3
CH 161	Principles of Chemistry I	3
CH 161L	Laboratory for Prin of Chem I	1
CH 281	Principles of Chemistry II	3
CH 281L	Laboratory for Prin of Chem II	1
One additional physics course (excluding PS 121)		4

For 4-12 teaching endorsement, the following additional courses are required:

ED 473	Methods of Teaching Science: Secondary	2
PS 395/495	Departmental Teaching Assistant	2

REQUIREMENTS FOR A PHYSICS MAJOR - B.S. (69)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
PS 273	Electronics	4
PS 355W	Quantum Mechanics	4
PS 361	Nuclear Physics	4
PS 363W	Thermodynamics	4
PS 451	Electricity and Magnetism I	4
PS 453	Electricity and Magnetism II	4
PS 461	Theoretical Mechanics I	4
PS 463	Theoretical Mechanics II	4
PS 382	Science Seminar	1
PS 482	Science Seminar	1
MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 212	Differential Equations	3
CH 161	Principles of Chemistry I	3
CH 161L	Laboratory for Prin of Chem I	1
CH 281	Principles of Chemistry II	3
CH 281L	Laboratory for Prin of Chem II	1

REQUIREMENTS FOR A PHYSICS MINOR (24)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
Three additional courses in physics (excluding PS 121)		12

REQUIREMENTS FOR PHYSICS AS A SECOND TEACHING FIELD (22)

(4-12 endorsement)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
PS 273	Electronics	4
One approved course in physics		4
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR SCIENCE AS A SECOND TEACHING FIELD WITH A PHYSICS MAJOR (24)

(4-12 endorsement)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
CH 161	Principles of Chemistry I	3
CH 161L	Laboratory for Prin of Chem I	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
PS 141	Introduction to Astronomy	4
One of the following:		4
GL 131	Understanding Earth	
GL 139	Environmental Geology	

PRE-ENGINEERING

Engineering is normally a five-year program. Therefore, students may take three years at Whitworth followed by two years at an engineering school, or two years at Whitworth followed by three years at an engineering school. Students completing their engineering bachelor's degree elsewhere after three years at Whitworth may receive a Whitworth B.A. degree in addition to their engineering degree. Three-two arrangements with Washington University (St. Louis), the University of Southern California, Columbia University, and Seattle Pacific University (Electrical Engineering) are in effect. Such a program gives a student with educational goals in the engineering area the opportunity to pursue the first three years in a supportive atmosphere of small classes and close faculty contacts. The following courses are recommended to meet the needs of many engineering schools. For certain branches of engineering, other Whitworth offerings (i.e. Organic Chemistry for Chemical Engineering, Statics for Mechanical and Civil Engineering) may be appropriate.

Pre-engineering Recommended Courses

PS 151	General Physics I.....	4
PS 153	General Physics II.....	4
PS 251W	General Physics III.....	4
MA 110	Calculus I.....	4
MA 111	Calculus II.....	4
MA 210	Calculus III.....	4
MA 212	Differential Equations.....	3
CH 161	Principles of Chemistry I.....	3
CH 161L	Laboratory for Prin of Chem I.....	1
CH 281	Principles of Chemistry II.....	3
CH 281L	Laboratory for Prin of Chem II.....	1
CS 171	Computer Science I.....	3
EN 110	Engineering Orientation.....	1
EL 110	Writing I.....	3

ENGINEERING COURSES

EN 110 ENGINEERING ORIENTATION (1)

Concerns of the engineering profession: its scope, challenges, opportunities, rewards and educational requirements. Also included are guest lectures by professional engineers and tours of area engineering facilities. Fall semester.

EN 211 STATICS (3)

Mathematical review, equilibrium of a particle, free-body diagrams, equilibrium of a rigid body, structural analysis, friction, center of gravity, moments of inertia. Prerequisites: PS 151 and MA 110; also MA 111 or concurrent enrollment. Fall semester, even years.

GEOLOGY COURSES

GL 131 UNDERSTANDING EARTH (4)

Earth's crust as the scene of a battle between leveling forces (erosion, landslides) and forces causing irregularities (volcanoes, mountain-building). Lab work with minerals, rocks, and maps. Fall semester, even years.

GL 139 ENVIRONMENTAL GEOLOGY (4)

Interactions of the human species with land, sea and air. Geologic hazards, earth resources, oceanography, meteorology. Includes laboratory. Fall semester, odd years.

NATURAL SCIENCE COURSES

NS 201 INQUIRY SCIENCE I (3)

This course provides science content and models hands-on science instruction in an interdisciplinary, inquiry-based format. Focus is on scientific inquiry, science fact, interrelationships between science areas, and how to ask (and answer) science questions. Prerequisites: Elementary education majors, sophomore standing; ED 424. Fall semester.

NS 202 INQUIRY SCIENCE II (2)

Continuation of NS 201 Inquiry Science I. Prerequisites: Elementary education majors, sophomore standing; NS 201. Spring semester.

PHYSICS COURSES

PS 121 CONCEPTS OF PHYSICS (3)

A study of some fundamental unifying ideas of physics and of how scientists learn about the physical world. Emphasis on the comprehension of concepts rather than on mathematical computation. For non-science majors. January Term.

PS 141 INTRODUCTION TO ASTRONOMY (4)

Nature and origin of the solar system, starlight and star life, components and structure of a galaxy, the expanding universe and cosmology. Astronomical instruments are also discussed. Includes laboratory. Spring semester.

PS 151 GENERAL PHYSICS I (4)

Basic principles of mechanics, wave motion, and sound. Includes laboratory. Prerequisite: MA 110 or concurrent enrollment. Fall semester.

PS 153 GENERAL PHYSICS II (4)

Continuation of PS 151. Basic principles of thermodynamics, electricity and magnetism. Includes laboratory. Prerequisites: PS 151, also MA 111 or concurrent enrollment. Spring semester.

PS 196 TOPICS IN PHYSICS (1-3)

Selected lower-division topics in physics. Periodic offering.

PS 251W GENERAL PHYSICS III (4)

Continuation of PS 153. Basic principles of optics, special relativity, and modern physics. Includes laboratory. Prerequisite: PS 153. Fall semester. Completion of this three-semester sequence is the normal pattern for entry into all upper-level physics courses.

PS 273 ELECTRONICS (4)

A "learn-by-doing" practical introduction to the fundamentals of electronic devices and circuits. Emphasis on modern instrumentation. Includes laboratory. Prerequisite: PS 153. Spring semester.

PS 355W QUANTUM MECHANICS (4)

An introduction to the principles of quantum mechanics, including Schrodinger's equation applied to the rigid rotor, the hydrogen atom and the harmonic oscillator. Includes laboratory. Prerequisites: PS 251 and MA 212. Fall semester, odd years.

PS 357 MATHEMATICAL METHODS FOR ENGINEERS AND SCIENTISTS (4)

Introduction to a variety of mathematical methods commonly used in engineering and science, and computer applications using Mathematica. Applications to solutions of engineering and science problems. Topics include Fourier series, Fourier and Laplace transforms, complex variables and calculus of residues, introduction to partial differential equations and applications of linear algebra. Prerequisite: MA 212. Fall semester, odd years.

PS 361 NUCLEAR PHYSICS (4)

Nuclear structure, radioactivity, nuclear reaction, interactions of nuclear radiations with matter. Includes laboratory. Prerequisites: PS 251 and PS 355. Spring semester, even years.

PS 363W THERMODYNAMICS (4)

Thermodynamical laws, kinetic theory, states of matter, phase transitions, and statistical mechanics. Includes laboratory. Prerequisites: PS 153, MA 212 and CH 281. Fall semester, even years.

PS 371 OPTICS (4)

Nature of light, geometrical and physical optics, interference, quantum optics, optical instruments. Includes laboratory. Prerequisites: PS 251 and MA 212. Spring semester, odd years.

PS 382, 383, 482, 483 SCIENCE SEMINAR (1)

Current developments in physics, biology and chemistry. Guest speakers, faculty and student presentations. Prerequisites: Natural Sciences major, junior or senior standing, and permission. Fall and spring semesters.

PS 396 TOPICS IN PHYSICS (1-3)

Selected upper-division topics in physics. Periodic offering.

PS 451 ELECTRICITY AND MAGNETISM I (4)

Electric and magnetic fields, boundary value problems, steady and alternating currents, electrical instruments, and measurement techniques. Includes laboratory. Prerequisites: PS 153 and MA 212. Fall semester, even years.

PS 453 ELECTRICITY AND MAGNETISM II (4)

Continuation of PS 451. Maxwell's equations, electromagnetic waves, advanced topics in electrical and magnetic phenomena. Includes laboratory. Prerequisite: PS 451. Spring semester, odd years.

PS 461 THEORETICAL MECHANICS I (4)

Newtonian mechanics, central forces, dynamics of systems, oscillating systems, numerical techniques. Includes laboratory. Prerequisites: PS 153 and MA 212. Fall semester, odd years.

PS 463 THEORETICAL MECHANICS II (4)

Continuation of PS 461. Lagrange's equations, rigid bodies, continuous media. Includes laboratory. Prerequisite: PS 461. Spring semester, even years.

PS 271, 471, 473 EXPERIMENTAL PHYSICS (Varies)

Supervised research projects in areas such as electronics, optics, nuclear physics, computer applications, atmospheric physics. Prerequisite: permission of professor.

DIRECTED STUDIES

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

PSYCHOLOGY

FACULTY: Noel Wescombe (Chair), Karol Maybury, Adrain Teo, James Waller

REQUIREMENTS FOR A PSYCHOLOGY MAJOR — B.A. (47)

PY 101	Introductory Psychology	3
PY 210	Developmental Psychology	3
PY 227	Theories of Personality	3
PY 241	Social Psychology	3
PY 302	History of Psychology	3
PY 326W	Research Methods	3
PY 326L	Research Methods Laboratory	1
PY 336	Physiological Psychology	3
PY 350	Psychology and Christian Faith	3
PY 358	Abnormal Psychology	3
PY 475	Senior Seminar	3
PY 423	Practicum in Psychology	3
PY 425W	Learning and Cognition	3
PY 425L	Learning and Cognition Laboratory	1
PY 498W	Senior Research	3
MA 356	Elementary Statistics	3
One of the following:		3
SP 113	Interpersonal Communication	
SP 223	Small Group Communication	

REQUIREMENTS FOR A PSYCHOLOGY MINOR (15)

PY 101	Introductory Psychology	3
MA 356	Elementary Statistics	3
Three additional approved courses		9

REQUIREMENTS FOR PSYCHOLOGY AS A SECOND TEACHING FIELD (21)

(4-12 endorsement)		
PY 101	Scientific Principles of Psychology	3
PY 210	Developmental Psychology	3
PY 227	Theories of Personality	3
PY 241	Social Psychology	3
MA 356	Elementary Statistics	3
One of the following:		3
PY 358	Abnormal Psychology	
PY 468	Theories of Counseling	
Department chair-approved psychology course		3

PSYCHOLOGY COURSES

PY 101 INTRODUCTORY PSYCHOLOGY (4)

Use of scientific method in examining human behavior. How to deal objectively with questions about behavior. Topics include biological development, perception, states of consciousness, learning and memory, motivation and emotion, disorder and therapy, social, diversity behavior. Laboratory experience. Fall and spring semesters.

- PY 196 TOPICS IN PSYCHOLOGY (1-3)**
Selected lower-division topics in psychology. Periodic offering.
- PY 210 DEVELOPMENTAL PSYCHOLOGY (3)**
The biological, psychological and cultural influences on human behavioral development from conception through death. Prerequisite: PY 101. Fall and spring semesters.
- PY 223 PSYCHOLOGY OF WOMEN (3)**
Provides opportunities for students to learn about the field of psychology of women in a variety of formats. Course is designed for anyone, male or female, interested in the topic.
- PY 227 THEORIES OF PERSONALITY (3)**
Study and comparison of major theories of personality current in the field of psychology. Integration of theories with research and case material. Prerequisite: PY 101. Fall and spring semesters.
- PY 230 CROSS-CULTURAL PSYCHOLOGY (3)**
The study of culture's influence on thoughts, feelings and behaviors. Topics covered include concepts in cross-cultural research, socialization, education, family, gender, intergroup relations, health and values. Prerequisite: PY 101. January Term, odd years.
- PY 241 SOCIAL PSYCHOLOGY (3)**
An attempt to understand how an individual's thoughts, feelings, and behaviors are influenced by the actual, imagined, or implied presence of others. Trends and findings of current research, and its limitations. Prerequisite: PY 101 or permission. Fall and spring semesters.
- PY 302 HISTORY OF PSYCHOLOGY (3)**
An attempt to understand how historical figures, classical theories of human nature and events familiar to and distant from other scientific disciplines have molded the development of psychology. Prerequisite: PY 101. Spring semester.
- PY 315 THE HOLOCAUST AND GENOCIDE: A SOCIAL-PSYCHOLOGICAL ANALYSIS (3)**
A social-psychological analysis of anti-Semitism, social Darwinism, eugenics and the resulting Holocaust (1939-1945) that staggered the world. Empirical findings and theoretical principles from contemporary social psychology will be used to examine other modern examples of genocide. Periodic offering.
- PY 326W RESEARCH METHODS (3)**
Principles of psychological research. Research design and analysis of student research projects. Laboratory required. Prerequisite: PY 101. Fall semester.
- PY 326L RESEARCH METHODS LABORATORY (1)**
Must be taken with PY 326W. Designed to teach data analysis using SPSS.
- PY 336 PHYSIOLOGICAL PSYCHOLOGY (3)**
A critical examination of the methods of investigation, theories and current developments in the field of physiological psychology, including such behaviors as drug use and abuse, hunger and thirst, sleep and dreaming, emotion, learning, memory, sexual behavior and psychopathology. Lab fee required. Prerequisite: PY 101 or permission. Spring semester.
- PY 342 PREJUDICE ACROSS AMERICA TOUR PREP (1)**
Preparatory readings, fall 1997.
- PY 343 PREJUDICE ACROSS AMERICA TOUR (3)**
This unique Amtrak study tour across America exposes students to the history of the four major non-white racial/ethnic groups and diverse religious worldviews. These histories, communicated via museum exhibitions and special lecturers, detail the contributions, sufferings and cultures of these groups. These specific analyses are complemented by an examination of the general psychological dynamics of stereotyping, prejudice and discrimination. Prerequisites: PY 342 and completion of the social science requirement; sophomore standing. Fulfills the multicultural requirement. January 1998.
- PY 350 PSYCHOLOGY AND CHRISTIAN FAITH (3)**
Explores integration of psychological research and Christian faith. Examines potential tensions and resolutions in integrating psychological and Christian approaches to understanding development, maturity, conversion, counseling. Students research an area of the faith experience and attempt a first personal integration of psychology and faith. Prerequisites: three courses in psychology, including PY 101. Fall semester.
- PY 358 ABNORMAL PSYCHOLOGY (3)**
Study of behaviors categorized as mental illness or mental disorder. Introduction to the DSM-IV and treatment. Pertinent issues in genetic and neurochemical factors, family interactions, and other social relationships examined. Prerequisite: PY 101. Fall semester.
- PY 394 RESEARCH ASSISTANTSHIP (1-3)**
- PY 396 TOPICS IN PSYCHOLOGY (1-3)**
Selected upper-division topics in psychology. Periodic offering.
- PY 423 PRACTICUM IN PSYCHOLOGY (3)**
Placement in community agency or organization. Applications of psychological concepts and analysis of individual experiences in a seminar format. Prerequisite: junior or senior psychology major. Spring Term.
- PY 425W LEARNING AND COGNITION (3)**
Historical development of learning, major theoretical positions, empirical issues and findings. Seminar format. Prerequisites: PY 101, PY 326 and MA 356. Spring semester.
- PY 425L PSYCHOLOGY OF LEARNING LABORATORY (1)**
Designed to augment learning class lectures and to provide specific training in operant conditioning. Must be taken with PY 425W. Laboratory fee required. Spring semester.
- PY 454 OBSERVATION AND ASSESSMENT (3)**
Current issues and methods related to psychological testing and behavioral observation of children, adolescents, and adults. Prerequisites: PY 101 and MA 356. Periodic offering.

PY 468 THEORIES OF COUNSELING (3)

Introduction to the field of counseling, including major theoretical orientations: psychoanalytic, behavioral, humanistic/existential. Prerequisites: PY 101 and PY 327. PY 358 recommended. Spring semester.

PY 475 SENIOR SEMINAR (4)

Training in group process, leadership styles, and oral presentation skills. Content mastery of topics in scientific principles also is expected. Prerequisite: PY 101 and permission. Spring semester.

PY 498W SENIOR RESEARCH (3)

Final learning/evaluation situation for psychology major. Design and carry out independent research project. Seminar format. Prerequisite: PY 101, PY 326, and MA 356. Fall semester.

PY 499 HONORS SENIOR RESEARCH (1)

Students will refine their original senior research project for publication in a professional journal or presentation at a regional or national professional conference. Prerequisites: PY 498W and approval of a faculty sponsor. Spring semester.

MA 356 ELEMENTARY STATISTICS (3)

Descriptive statistics, correlation, regression, probability and inferential statistics. Taught by Psychology Department faculty. Prerequisite: MA 101. Spring semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492) READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); TEACHING ASSISTANTSHIPS (395, 495); RESEARCH ASSISTANTSHIP (394). See Page 104 for details regarding these studies.

RELIGION AND PHILOSOPHY

FACULTY: Roger Mohrlang (Chair), Forrest Baird, James Edwards, J. Michele Graham, Terry McGonigal, Stephen Meyer, Jerry Sittser

REQUIREMENTS FOR A RELIGION MAJOR — B.A. (40)

RE 154	Introduction to the Christian Faith	3
RE 231	Old Testament	3
RE 241	New Testament	3
One of the following:		3
RE 242	Life and Teachings of Jesus	
RE 247	Matthew's Gospel	
RE 248	Mark's Gospel	
RE 250	John's Gospel	
RE 313W	History of Christianity I	3
RE 314W	History of Christianity II	3
RE 323W	Religion in America	3
RE 361	Christian Doctrine	3
One of the following:		3
RE 370	World Religions	
PH 256	Eastern Philosophy	
PH 320W	Philosophy of Religion	
RE 384	Christian Ethics	3
RE 449	Paul's Letters	3
RE 499	Senior Summary	1
Six semester credits selected from the following:		6
RE 316	Christian Missions	
RE 333	Family Ministries	
RE 334	Youth Ministry	
RE 335	Theology of Ministry	
RE 336	Communication in Ministry	
RE 337	Administration in Ministry	
RE 339	Evangelism and Discipleship	
RE 393W	Christian Spirituality	
RE 396	Effective Christian Leadership	
RE 490	Internship	
PH 344	Reasons for Faith	

REQUIREMENTS FOR A MINOR IN RELIGION (18)

RE 154	Introduction to the Christian Faith	3
RE 241	New Testament	3
Other Religion courses		12

REQUIREMENTS FOR MINOR IN BIBLICAL STUDIES (18)

RE 231	Old Testament	3
RE 241	New Testament	3
One of the following:		3
RE 242	Life and Teachings of Jesus	
RE 247	Matthew's Gospel	
RE 248	Mark's Gospel	
RE 250	John's Gospel	
RE 449	Paul's Letters	3
Other religion courses		6

REQUIREMENTS FOR A MINOR IN CHRISTIAN HISTORY AND DOCTRINE (18)

RE 241	New Testament	3
RE 313W	History of Christianity I	3
RE 314W	History of Christianity II	3
RE 323W	Religion in America	3
RE 361	Christian Doctrine	3
Other religion courses		3

REQUIREMENTS FOR A MINOR IN CHRISTIAN MISSIONS (18)

RE 241	New Testament	3
RE 316	Christian Missions	3
RE 370	World Religions	3
SO 200	Introduction to Cultural Anthropology	3
Other religion courses		6

REQUIREMENTS FOR A MINOR IN SPIRITUAL DEVELOPMENT (18)

RE 154	Introduction to the Christian Faith	3
RE 241	New Testament	3
RE 361	Christian Doctrine	3
RE 393W	Christian Spirituality	3
Other religion courses		6

CERTIFICATION FOR MINISTRY

This program is designed to prepare students for entry-level ministry positions in churches and other Christian organizations. Students must apply to enter the program in the spring. Successful completion of the program will result in certification, not in a major or minor in religion. The program consists of five regular courses, a special course (Theology of Ministry), an internship, a mentoring relationship and the experience of community with other students in the program.

REQUIREMENTS FOR CERTIFICATION FOR MINISTRY (21)

RE 333	*Family Ministries	3
RE 334	*Youth Ministry	3
RE 335	Theology of Ministry	3
RE 336	Communication in Ministry	3
RE 337	Administration in Ministry	3
RE 339	Evangelism and Discipleship	3
RE 490	Internship	3

REQUIREMENTS FOR A PHILOSOPHY MAJOR — B.A. (45)

PH 110	Introduction to Philosophy	3
PH 201	Logic	4
PH 305	History of Ancient Philosophy	3
PH 306W	History of Modern Philosophy	3
PH 307	History of Contemporary Philosophy	3
PH 320W	Philosophy of Religion	3
PH 351	Philosophical Ethics	3
PH 421	Philosophy of Science	3
PH 425	Philosophy of Mind	3
Nine additional approved semester credits		9
CO 250	Core 250	4
CO 350	Core 350	4

REQUIREMENTS FOR A PHILOSOPHY MINOR (20)

Twelve approved semester credits, six of which must be upper division		12
CO 250	Core 250	4
CO 350	Core 350	4

RELIGION COURSES

RE 130 INTRODUCTION TO THE BIBLE (3)

An overview of the entire Bible, with emphasis on literary, historical and theological themes and the diversity and unity within the Bible. Fall and spring semesters.

RE 154 INTRODUCTION TO THE CHRISTIAN FAITH (3)

The major beliefs and values of the Christian faith. Spring semester.

RE 196 TOPICS IN RELIGION (1-3)

Selected lower-division topics in religion. Periodic offering.

- RE 203 HISTORICAL GEOGRAPHY OF THE BIBLE (3)**
The historical and geographical setting of the Bible, involving considerable mapwork. Offered in conjunction with study tours to Israel and Greece. Periodic January Terms.
- RE 212 THEOLOGY AND ECOLOGY (3)**
Biblical perspectives on environmental issues; involves living in community at Tall Timber Ranch in the Cascade Mountains. Periodic January Terms.
- RE 231 OLD TESTAMENT (3)**
The content and theology of the Old Testament in light of its literary, historical and religious background, with a view to gaining a good working knowledge of the Old Testament. Fall and spring semesters.
- RE 241 NEW TESTAMENT (3)**
The content and theology of the New Testament in light of its literary, historical and religious background, with a view to gaining a good working knowledge of the New Testament. Special focus on Jesus Christ, the gospel and the Christian life. Fall and spring semesters, January Term.
- RE 242 LIFE AND TEACHINGS OF JESUS (3)**
The pivotal events and major teachings of Jesus as recorded in the Gospels, and their relevance to today. Fall semester.
- RE 247 MATTHEW'S GOSPEL (3)**
Lectures on Matthew's Gospel, chapter by chapter, in the hope that the Gospel's contents will become a vital part of the student's life. Periodic offering.
- RE 248 MARK'S GOSPEL (3)**
An examination of the structure of Mark's Gospel, including its main themes, style, and literary devices, for the purpose of giving the reader a thorough acquaintance with Mark's presentation of Jesus. Fall and spring semesters.
- RE 250 JOHN'S GOSPEL (3)**
Lectures on John's Gospel, chapter by chapter, in a search to understand Jesus and life with him through John's spiritual optic. Periodic offering.
- RE 296 EFFECTIVE CHRISTIAN LEADERSHIP (3)**
An exploration of biblical and contemporary perspectives on the essential qualities, development and training of Christian leaders; how leaders exercise influence, set priorities, solve problems, create change and care for people. January term.
- RE 311 NEW TESTAMENT GREEK I (4)**
The basic vocabulary and grammar required for reading the Greek New Testament. An intensive course. Fall semester, odd years.
- RE 312 NEW TESTAMENT GREEK II (4)**
Translation of the Epistles of John and selected passages from the Gospel of John and other New Testament books in Greek. An intensive course. Completion of RE 311 and RE 312 satisfies the modern language requirement. Prerequisite: RE 311. Spring semester, even years.

- RE 313W HISTORY OF CHRISTIANITY I (3)**
The history and thought of the Christian church from its beginning to the dawn of the Reformation. Fall semester.
- RE 314W HISTORY OF CHRISTIANITY II (3)**
The history and thought of the Christian church from the beginning of the Reformation to the present. Spring semester.
- RE 316 CHRISTIAN MISSIONS (3)**
The biblical basis and history of the worldwide Christian movement, the lives of great missionaries, and recent developments around the world. Cultural problems; analysis of different missions; opportunities for mission work today. Fall semester, even years.
- RE 323W RELIGION IN AMERICA (3)**
The major themes, movements, problems, people and institutions in American Christian history, with emphasis on historical development. Fall semester.
- RE 333 FAMILY MINISTRIES (3)**
A study of the overall ministry of the contemporary church to families, with primary focus on the evolution of the American family; spiritual, social and emotional development of children and adults; the impact of the culture on the family; and methods for supporting families in and out of crisis. By permission only. Spring semester.
- RE 334 YOUTH MINISTRY (3)**
A study of ministry to children and adolescents, emphasizing stages of development, working with families, providing Christian education, developing a philosophy and strategy, and building disciples. By permission only. Spring semester.
- RE 335 THEOLOGY OF MINISTRY (3)**
An exploration of what ministry is from biblical and cultural perspectives. By permission only. Fall semester.
- RE 336 COMMUNICATION IN MINISTRY (3)**
The study and practice of communication in ministry, including preparation and delivery of messages, audience analysis and small group leadership. By permission only. Fall semester.
- RE 337 ADMINISTRATION IN MINISTRY (3)**
An investigation of how to manage the details of ministry. Attention given to assessing needs, setting goals, planning activities, managing budgets and implementing programs. By permission only. January term.
- RE 339 EVANGELISM AND DISCIPLESHIP (3)**
The study of the theology and practice of evangelism, with special emphasis on modern culture, models of ministry for church and marketplace, and discipleship in family, community, vocation and world. By permission only. Fall semester.
- RE 361 CHRISTIAN DOCTRINE (3)**
A seminar study of the crucial doctrines of the Christian faith and their implications for today. Fall semester.

RE 370 WORLD RELIGIONS (3)

A survey of world religions, and an analysis of contemporary religious movements (e.g. Mormonism, the New Age movement, and Islamic fundamentalism). Fall semester.

RE 384 CHRISTIAN ETHICS (3)

The sources and norms of Christian ethics, the importance of a Christian world view, and how biblical principles relate to a wide variety of ethical problems today. Spring semester.

RE 393W CHRISTIAN SPIRITUALITY (3)

The history, theology and practice of spirituality, and its implications for life today as we worship, work, build friendships and play. January Term.

RE 396 TOPICS IN RELIGION (1-3)

Selected upper-division topics in religion. Periodic offering.

RE 421 THE ATONEMENT AND ITS INTERPRETERS (3)

A study of traditional and contemporary interpretations of the atonement with special attention to modern controversies and critical debate on the significance of the cross in today's world. Periodic offering.

RE 449 PAUL'S LETTERS (3)

A detailed study of the Pauline Epistles, with primary focus on Paul's theology and ethics; development of exegetical skills and hermeneutical understanding. Prerequisite: RE 241. Fall semester.

RE 490 INTERNSHIP (3)

A supervised experience of ministry in a local church or Christian organization. The internship will require mentoring, service, reflection and study.

RE 499 SENIOR SUMMARY (1)

Reflection, discussion and writing intended to help students integrate the various elements of their theological training and to think analytically about their future ministry and how to prepare for it. To be taken spring semester of student's senior year.

PHILOSOPHY COURSES

PH 110 INTRODUCTION TO PHILOSOPHY (3)

The great thinkers and ideas of the philosophical tradition. Treatment of subjects such as logic, metaphysics, epistemology, political philosophy and different world views. Emphasis on both critical and constructive thinking. Every semester.

PH 196 TOPICS IN PHILOSOPHY (1-3)

Selected lower-division topics in philosophy. Periodic offering.

PH 201 LOGIC (4)

The formal nature of logical thought and the informal, practical application of critical thinking to the analysis of arguments. Includes sections on arguments and fallacies in ordinary language, syllogistic arguments and symbolic logic. Spring semester.

PH 256 EASTERN PHILOSOPHY (3)

A study of the major schools of Eastern philosophy with emphasis on Chinese thought. Meets the multicultural requirement. Periodic offering.

PH 261 C.S. LEWIS (3)

The thought of C.S. Lewis, as found in his philosophical, theological and imaginative works, and the interconnections between those works. Critical evaluation of Lewis' ideas and application of those ideas to contemporary issues. Fall semester.

PH 305 HISTORY OF ANCIENT PHILOSOPHY (3)

The development of philosophical ideas from the Pre-Socratics to the Middle Ages using primary source readings. Special emphasis on Plato's and Aristotle's ideas on the major issues of life. Fall semester.

PH 306W HISTORY OF MODERN PHILOSOPHY (3)

The development of philosophical ideas from Descartes to the 19th century, using primary source readings. Figures studied include Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, Kant. Spring semester.

PH 307 HISTORY OF CONTEMPORARY PHILOSOPHY (30)

The development of philosophical ideas in 20th-century Europe and America. Both the Continental and Anglo-American traditions will be explored. Prerequisite: PH 306 or instructor's permission. Spring semester, even years.

PH 309 ENVIRONMENTAL ETHICS (3)

A study of basic concepts such as intrinsic value, rights of nature and Christian stewardship of the environment. Case studies will include oil spills, the international agreements concerning the ozone layer, deforestation and recent environmental congresses. Cross-listed with BI 309.

PH 320W PHILOSOPHY OF RELIGION (3)

The place of reason in faith. Issues addressed include classical arguments for and against the existence of God, the relationship of faith and reason, and the nature of religious language, miracles and immortality. Recommended prerequisite: Core 250. Spring semester, odd years.

PH 344 REASONS FOR FAITH (3)

An examination of the evidence for the existence of God, the reliability of the Bible and the claims of Jesus Christ, from a philosophical point of view. January Term.

PH 351 PHILOSOPHICAL ETHICS (3)

The nature of moral judgments and values. Examination of the criteria on which ethical decision-making is based and the nature of the good life. Spring semester, even years.

PH 353 EXISTENTIALISM (3)

The major representatives and ideas of existentialism from a philosophical point of view. Includes discussion of literary, artistic and religious themes. Fall semester, even years.

PH 396 TOPICS IN PHILOSOPHY (1-3)

Selected upper-division topics in philosophy. Periodic offering.

PH 421 PHILOSOPHY OF SCIENCE (3)

An examination of various views of scientific rationality. Issues covered include the nature of induction, scientific laws, realism/anti-realism debate. Contemporary philosophers of science studied include: Ayer, Hempel, Popper, Polanyi, Kuhn, Lakatos, Feyerabend, Rorty. Fall semester, odd years.

PH 425 PHILOSOPHY OF MIND (3)

An exploration of one of the most actively debated and contentious issues in contemporary philosophy: What is the nature of the human mind? Examines current theories and their relationship to the claims of artificial intelligence, neuropsychology and Christian understandings of human nature, as well as the question of determinism versus free will. Fall semester, even years.

PH 435 SOCIAL AND POLITICAL PHILOSOPHY (3)

An examination of the classical texts in political and economic philosophy from antiquity to the present. Special emphasis on identifying political philosophy implicit in contemporary political arguments. Spring semester, even years.

DIRECTED STUDIES

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

SOCIOLOGY

FACULTY: Robert A. Clark (Chair), Donald H. Liebert, Raja S. Tanas

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY (40)

SO 120	Social Reality: Introduction to Sociology	3
SO 338	The Computer & Statistical Analysis in Sociology	3
SO 378	Social Theory	3
SO 379	Social Research	4
Total elective credits:		27

All 27 elective credits may be taken from the Sociology Department, or up to 9 of these 27 elective credits may be fulfilled by advisor-approved courses from the following departments: economics, political studies, history (social science only), and psychology.*

A course in elementary statistics (MA 356) is the recommended general education science course for a sociology major and will count as one of the sociology electives.

*One writing-intensive course required.

REQUIREMENTS FOR A MINOR IN SOCIOLOGY (15)

SO 120	Social Reality	3
Four additional courses in sociology chosen in consultation with sociology advisor		12

MULTIPLE TRACKS WITHIN THE MAJOR/MINOR:

The department curriculum reflects the breadth of the sociology discipline and responds to the variety of students' interests. The curriculum addresses the educational objectives of students who wish to: 1) study for advanced degrees in sociology as preparation for careers in teaching or research; 2) apply sociology in the professions such as ministry, law and urban planning; 3) apply sociology in public policy or social service agency work; 4) utilize sociology to contribute to majors in other disciplines such as psychology, education, history, political science, international studies and business; 5) learn the ways in which the sociological imagination can increase and enrich one's participation in society. These different objectives may suggest different courses or combinations of courses; students thinking about majoring or minoring in the department should consult an advisor early in their decision process.

REQUIREMENTS FOR SOCIOLOGY AS A SECOND TEACHING FIELD (21-22)

(4-12 endorsement)

Group Behavior:

SO 120 Social Reality 3

Social Institutions — Two of the following courses from either section: 6

American Social Institutions

SO 243 Contemporary Marriage
SO 258W Sociology of Work and Leisure
SO 434W Family Issues Seminar
SO 443W Sociology of Religion

Multicultural Social Institutions

SO 200 Introduction to Cultural Anthropology
SO 244 I Corinthians
SO 238W Sociology of Middle Eastern Society
SO 307 Contemporary Latin American Problems
SO 311W The Family
SO 318 Rich and Poor in Central America

Social Process; Two of the following courses: 6

SO 275 Population
SO 283 Deviant Behavior
SO 310W Interpretations of Modern Society
SO 362 Development and the Institutional Structure of Central America
SO 365W Urban Communities
SO 370 Juvenile Delinquency
SO 371 Introduction to Social Services
SO 372 Social Intervention Strategies
SO 423 Sociology of Wealth and Poverty

Theory and History of Sociology

SO 378 Social Theory 3

Social Research; One of the following courses: 3-4

SO 379 Social Research
SO 338 The Computer and Statistical Analysis in Sociology
SO 346 Exploring Central America: Methodology and Comparative Sociology

SOCIOLOGY COURSES

SO 120 Social Reality: Introduction to Sociology is a prerequisite for all upper-division sociology courses.

SO 120 SOCIAL REALITY: AN INTRODUCTION TO SOCIOLOGY (3)

Introduction to the sociological way of looking at our world. Exploration of the many concepts, theories and research findings related to social reality. Examination of the organization and disorganization of social life in such areas as sexual and racial inequality, individual socialization, social control, social stratification, intergroup relations, deviance, family and religion in changing societies and cultures. Fall and spring semesters.

SO 196 TOPICS IN SOCIOLOGY (1-3)

Selected lower-division topics in sociology. Periodic offering.

SO 200 INTRODUCTION TO CULTURAL ANTHROPOLOGY (3)

This course has two basic objectives: to develop a framework for understanding other cultures and to learn skills to communicate that understanding. Through a systematic investigation of the nature of culture and a comparative study of cultures and peoples known to humankind at the present time, it is expected that we can better understand ourselves and the social world around us. Fall semester.

SO 238 SOCIOLOGY OF MIDDLE EASTERN SOCIETY (3)

An overview of geography, history, demographic characteristics, social stratification, political behavior, socio-religious institutions, revolutionary change, problems of diversity, complementarity and integration in the peoples and cultures of the Middle East, including the Palestinian-Israeli conflict; the gulf crisis and its aftermath; the Middle East and international inequality; and prospects for peace and the future. Spring semester and summer term.

SO 243 CONTEMPORARY MARRIAGE (3)

An examination of male-female relationships in the context of young adulthood and marriage. Sociological research and value perspectives are used to understand and interpret such issues as changing gender roles, singlehood, mate selection, commitment, careers and marriage, diverse marriage styles, communication and conflict, divorce and remarriage. Attention is given to theological reflections on the nature, problems and strengths of marriage today. Spring semester.

SO 244 I CORINTHIANS (3)

Explore the past and present impact of Paul's group letter. Examine relations between the groups Paul addressed: rich and poor, old and young, male and female, Jew and Greek, single and married, intellectual and simple, slaves and masters. An understanding of the context of both beloved and controversial scriptures brings Paul's words to life, gives us a basis for understanding people different from ourselves and provides a model for interpreting the epistle literature of the New Testament. January Term.

SO 258W WORK AND LEISURE (3)

The investigation of work and leisure is crucial to understanding both the patterns of a society and the implications of personal lifestyle choices. The course will concentrate on the changes and cultural differences in work/leisure patterns and values. Attention will be given to the character and clash of work/leisure lifestyles in the family, the occupational order, the non-work culture, and tourism. A good foundation for making decisions about vocation and avocation. Fall semester.

SO 275 POPULATION (3)

In this course the social phenomena that are likely to affect, or be affected by, the size, distribution, processes, structure, and composition of populations are explored. Students are expected to become literate in demographic theory and concepts in the areas of fertility, mortality and migration. Students will also become knowledgeable about demographic data sources and analysis, and adept at interpreting the interrelationships between population changes and social, economic, environmental and political changes. January Term.

SO 283 DEVIANT BEHAVIOR (3)

This course examines deviant behavior and the efforts to control it. Focus is on the nature, causes and consequences of deviance and crime, from drug abuse and suicide to homosexuality and corporate crime. A critical analysis of the criminal justice system is included. Religious perspectives on deviance and social control are explored. Field research required. Prerequisite: SO 120 recommended. Spring semester.

SO 307 CONTEMPORARY LATIN AMERICAN PROBLEMS (3)

Explore the wide range of problems facing Latin American societies based on their past underdevelopment. Take a thematic approach focusing on subjects as diverse as the military, peasants, Indians, U.S. foreign policy, multinational corporations, urbanization and education. Build an understanding of Latin America using the resources of sociology. Fall semester.

SO 310 INTERPRETATIONS OF MODERN SOCIETY (3)

Interpretations of modern American society and culture are examined in this seminar, with particular focus on issues of individualism and community. What is the good society? How does our society compare to that ideal? This is an effort to understand and evaluate modernity and to develop personal visions of the good society as a basis for responsible action. Prerequisite: SO 120. January Term.

SO 311W THE FAMILY (3)

This course analyzes family, kinship and marriage in societal context. Human families in their many forms are examined cross-culturally and historically; primary emphasis is upon the changing shape and character of American families today. The impacts of class, race and values on family life are explored. Special focus is on parent-child relations and the problems of children in American families. Prerequisite: SO 120. Fall semester.

SO 318 RICH AND POOR IN CENTRAL AMERICA (4)

An extended experience living with families in two different Central American countries will provide data for examining the issues, obstacles, causes and life chances of the poor. Interaction between the United States and Third-World countries will be investigated. The dynamics of poverty and peasant life and resultant world views will be explored. Observation of the nature of life in Central America and its contrast with the patterns of the United States. Prerequisite: SO 307. Every third spring semester in Central America.

SO 338 THE COMPUTER AND STATISTICAL ANALYSIS IN SOCIOLOGY (3)

Learn how to use the computer to do statistical analysis. Become familiar with some basic statistical procedures and develop skills ranging from simple tasks of data entry, data management, data transformation, defining data files and file editing to more complex tasks of univariate, bivariate and multivariate statistical data analysis. Hands-on experience using SPSS software. Prerequisite: SO 120. Spring semester and summer term.

SO 346 EXPLORING CENTRAL AMERICA: METHODOLOGY AND COMPARATIVE SOCIOLOGY (4)

Sociological methods and concepts will be used in a comparative study of Central-American and U.S. society and culture. Ethnography will be a beginning place for developing cross-cultural understanding. The field setting will make it possible for tentative explanations of behavior to be tested, modified and discarded on a daily basis. Openness to a wide variety of points of view and to contradictory data will require the development of critical thinking skills. Every third spring semester in Central America. Prerequisite: SO 307.

SO 362 DEVELOPMENT AND THE INSTITUTIONAL STRUCTURES OF CENTRAL AMERICA (3)

Work experience with agencies such as Habitat for Humanity and exposure to a wide variety of underdeveloped communities will provide a basis for examining Central American development. We will explore the impact on development of institutions such as religion, politics, economic institutions, education, the arts, and leisure as well as public and private agencies, and foreign aid. Examine the impact of development on the individual, the family, the community, the municipality, the nation and the region. Prerequisite: SO 307. Every third spring semester in Central America.

SO 365W URBAN COMMUNITIES (3)

Develop skills for understanding today's urban world. Explore the development of the city, patterns of urban settlement, the influence of urban environment upon group life and individual personality, the pathology and possibilities of urban life and social aspects of urban planning. Examine the situation of the "truly disadvantaged" and learn how to explore an urban subculture. The real city as a learning laboratory: literature, games, guests, movies, field trips, class TV studies and field projects. Prerequisite: SO 120. Spring semester.

SO 370 JUVENILE DELINQUENCY (3)

The class will review prominent theories on delinquency causation and will use these theories to understand case examples of people who exhibit delinquent behavior. A firsthand introduction to the components, agencies, programs and trends in the juvenile justice system will move from theory to more pragmatic concerns. Prerequisite: SO 120. Every third semester.

SO 371 INTRODUCTION TO SOCIAL SERVICES (3)

A study of the basic principles and practices in modern casework, community organization and social work agencies. Community and agency responses to social welfare problems will be investigated with special attention to child abuse and neglect, family assaults and rehabilitation programs. Prerequisite: SO 120. Every third semester.

SO 372 SOCIAL INTERVENTION STRATEGIES (3)

The class will begin by examining the approach and methods of community organization designed to mobilize people to respond to social concerns and conditions. Strategies and skills used by individuals and groups planning social interventions will be studied and will then be selectively used in a class project. Prerequisite: SO 120. Every third semester.

SO 378 SOCIAL THEORY (3)

Learn how to think like a sociologist. Awe at seeing how great minds have invented explanations of social behavior will lead to the fun of creating understanding of our own. Classical sociologists will suggest many different ways of looking at society and will stimulate student theory building. Sociology as an art form, as an intellectual game, and as a creative and useful science will be more meaningful and more enjoyable after this exposure. Prerequisite: SO 120 and one other sociology course. Fall semester.

SO 379 SOCIAL RESEARCH (4)

Designing, conducting and interpreting research is an essential skill required of many modern occupations. In this class in organized curiosity you will receive experience in social research by participating in the design and implementation of a class research project. Valuable skills in problem formulation, research design, measurement, questionnaire construction, interviewing, data collection and analysis will be gained as you encounter these issues in our class research project. Prerequisite: SO 120 and two other sociology courses. Spring semester.

SO 396 TOPICS IN SOCIOLOGY (1-3)

Selected upper-division topics in sociology. Periodic offering.

SO 423 SOCIOLOGY OF WEALTH AND POVERTY (3)

Analysis of cultural and social structural processes that bring about social inequality and stratification. Examination of life chances and lifestyles of the privileged and underprivileged and exploration of the relationship between public policy and the situation of the rich and the poor. Prerequisite: SO 120. Fall semester.

SO 434W FAMILY ISSUES SEMINAR (3)

This seminar is an intensive examination of a selected issue in the area of family and marriage. Together we investigate relevant research, theory, interpretations, and social policies. The current topic is The Divorce Revolution, with focus on the nature and impact of divorce, single-parent families, remarriage and step-families. Prerequisite: SO 120. Periodic offering.

SO 443W SOCIOLOGY OF RELIGION (3)

How can one make sense of religion? A variety of theoretical and methodological "ways of looking" will be used in an attempt to understand religious behavior. Religion will be explored both as it is affected by its social context and as it affects society. Sociology has been seen as both a serious threat to cherished religion and a valuable tool for ministry. Both tensions and conversations between Christianity and sociology will be examined. Prerequisite: SO 120. Spring semester.

DIRECTED STUDIES

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); and TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

THEATRE

FACULTY: Rick Hornor (Chair), Diana Trotter

REQUIREMENTS FOR A THEATRE MAJOR — B.A. (40)**All tracks require the following core courses 22**

TA 231	Performance Theory & Practice: Interpretation	3
TA 270	Stage Makeup	1
TA 273	Acting I	3
TA 275	Technical Theatre	3
TA 361	Fundamentals of Directing	3
TA 476W	History of Theatre I	3
TA 477W	History of Theatre II	3
TA 494	Senior Performance	3

ARTS ADMINISTRATION TRACK:

Required core courses	22	
BU 230	Financial Accounting	4
BU 374	Principles of Management	3
CS 170	Computer Information Systems	3
JR 244	Publicity and Public Relations	3
Five advisor-approved credits in theatre, art, or business	5	

PERFORMANCE TRACK:

Required core courses	22	
TA 146/246/346/446	Technical Production Crew	2
TA 279	Voice for the Performer	3
TA 473	Acting II	3
10 additional advisor-approved credits in Theatre	10	

(Note: Performance track students may substitute TA 375 for TA 275.)

TECHNICAL THEATRE TRACK:

Required core courses	22	
TA 375	Technical Theatre	3
AR 101	Drawing I	3
AR 120	Design I	3
AR 220	Design II	3
Two courses in art history from	6	
AR260/360W	History of Ancient Art	
AR261/361W	History of Renaissance/Baroque Art	
AR262	History of Multicultural Art	
AR263/363W	History of Modern/Contemporary Art	
AR264/364W	History of Medieval Art	

REQUIREMENTS FOR A THEATRE MINOR (18)

Credits approved in advance by theatre advisor

REQUIREMENTS FOR DRAMA AS A SECOND TEACHING FIELD (20)

(4-12 endorsement)

TA 231	Performance Theory & Practice: Interpretation	3
TA 270	Stage Makeup	1
TA 361	Directing	3
TA 146/246/346/446	Technical Production Crew	1
One of the following:		3
3 semester credits in theatre production		
TA 255	Story Theatre	
TA 273	Acting I	
TA 348	Chamber Theatre	
One of the following:		3
TA 275	Technical Theatre (Set Construction)	
TA 375	Technical Theatre (Lighting)	
One of the following:		3
TA 276	Improvisational Acting	
TA 277	Mime and Movement	
TA 372	Storytelling	
TA 473	Acting II	
One of the following:		3
TA 476W	History of Theatre I	
TA 477W	History of Theatre II	

THEATRE COURSES

TA 130, 230, 330, 430 PRIVATE LESSONS (1-2)

Individual instruction arranged with members of the theatre faculty in improving the speaking voice, interpretation, acting or pantomime. All theatre majors must enroll for private lessons concurrently with TA 494, Senior Performance. Arrangements by non-majors must be made with the department before registering for private lessons. Fee in addition to tuition. Fall and spring semesters.

TA 145, 245, 345, 445 THEATRE PRODUCTION (1-2)

Instruction and performance on-stage or backstage in a major theatre production. Repeatable for credit to a maximum of 6 semester credits. Amount of credit is based upon size of role or task and quality of performance. Students must audition for a role in a production. Students do not register for credit in Theatre Production until after a successful audition or permission is granted for backstage work. Graded Satisfactory/Not Satisfactory. Fall and Spring semesters.

TA 146, 246, 346, 446 TECHNICAL PRODUCTION CREW (1)

Instruction and working on crews that may include set building, lighting, makeup or costuming. Work will be backstage in Main Stage and Stage II productions. Graded S/NS. Fall and spring semesters.

TA 196 TOPICS IN THEATRE (1-3)

Selected lower-division topics in theatre. Periodic offering.

TA 230 See TA 130

TA 231 PERFORMANCE THEORY & PRACTICE: INTERPRETATION (3)

The art of making literature come alive. Vocal expressiveness and creativity in communicating ideas and feelings from the printed page are applied to short stories, novels, poems and plays. Through analysis, class participation and performance the student will develop an intellectual and emotional understanding of the major literary genres. Through exercises in characterization, imagery and placement the student will demonstrate an understanding of the physical responsiveness as performer. This is a solo performance using the voice and the body as a unified whole to communicate literature to an audience and gain the desired response. Enrollment is limited to 20 students. Not to be taken concurrently with TA 273. Fall and spring semesters.

TA 245 See TA 145

TA 255 STORY THEATRE (3)

The course combines the art forms of interpretation and pantomime in the performance of stories which have been adapted for stage presentation, employing the technique developed by Paul Sills. In addition to instruction in interpretation and pantomime, students will learn to identify suitable literature, adapt it for performance, and produce functional scripts. An improvisational approach is encouraged. January Term, periodic.

TA 270 STAGE MAKEUP (1)

An introduction to the art of stage makeup in which students plan and apply makeup for old age and straight, and use special effects such as putty and crepe hair. The lab experience includes brief explanations and demonstrations. Enrollment is limited to 16 students. Spring semester, evening.

TA 271 RELIGIOUS THEATRE (3)

Students study art forms suitable for worship, including formal and informal theatre. Participants will evaluate materials appropriate for performance in various church services. They will then select, stage and perform programs for a religious setting. Touring may be a component of this class, in which case enrollment would be by audition only. Periodic offering.

TA 273 ACTING I (3)

Creative experiences in applying and controlling sensory and emotional aptitudes will help the student to live truthfully under the imaginary circumstances of a play. Based on Stanislavski's theories, the course is a beginning study of the process of performance. The objective is for the student to become an "intelligent actor," able to take a script, develop a character and respond to a director's coaching. Assignments are selections from literature from different historical periods; thus, students learn something of changes in acting styles as determined by the period in which the play was written. Acting is a performance course. Enrollment is limited to 20 students, allowing for frequent performances and individual instructor attention. Not to be taken concurrently with TA 231. Fall and spring semesters.

TA 275 TECHNICAL THEATRE I (3)

Instruction and laboratory experience in set design and construction and involvement in the concurrent theatre productions exposes the student to practical backstage experience. The course includes an introduction to the basic building techniques used in theatre: elementary proficiency in the use of hand tools, hand power tools, and standing power tools; explanation of basic elements in scenic design; introduction to the types of paint used in the theatre and application techniques; basic rigging procedures including knots; different types of counterweight systems, and safety. Fall semester.

TA 276 IMPROVISATIONAL ACTING (3)

In the process of becoming "stageworthy," students learn exercises and techniques leading to self-discovery in the releasing of creative potential. Students experience problem-solving games and activities and are given opportunities to participate in and contribute to a healthy group relationship. Performance before various audiences. Periodic offering.

TA 277 MIME AND MOVEMENT (3)

The "Theatre of Silence." Students study mime and movement techniques that will include creating an image, moving illusions, characterization, script writing and performance. Each class session begins with isolation and motion exercises. Periodic offering.

TA 279 VOICE FOR THE PERFORMER (3)

Students will learn to identify and overcome vocal abuse and faulty articulation habits, which are barriers to creative expression. Training for the effective use of the speaking voice for public performance. Study of mechanical aspects of voice production. Development of skill in vocal variety, diction, phonetics and projection appropriate for various audiences. Individualized and group instruction through exercises designed to train students to hear and produce effective speech. Regular oral presentations allow students to practice and develop competency. Audio- and videotaping of students' presentations used to diagnose and monitor progress. Students are encouraged to participate in the critique of their peers as a means of training to hear ineffective use of the voice. Enrollment limited to 15 students. Spring semester.

TA 300 BRITISH CULTURE THROUGH THEATRE (3)

For three weeks in London, attend theatre performances and seminars introducing the student to the various aspects of English theatre and British culture. There are opportunities to meet directors, actors, theatre critics and other personalities. Day-long excursions to Stratford-upon-Avon and other relevant locations are scheduled. Students are required to visit museums, art galleries, cathedrals, universities and other places of historical and cultural significance, as well as the 10 chosen theatre events. Preliminary instruction in the structure and content of drama is provided on campus prior to January. Performance analysis as well as a post-performance review of each play is conducted. A journal registering the student's activities, personal reflections, and responses to the people, the culture and the theatrical performances is a significant requirement. Priority will be given to junior/senior students. Graded Satisfactory/Not Satisfactory. January Term, even years.

TA 330 See TA 130**TA 338W PERFORMANCE THEORY & PRACTICE: SACRED TEXTS (3)**

Highly recommended for students interested in working in Christian theatre, the ministry or religious education, or for anyone seeking a dynamic experience with Scripture, this class is designed to explore the art of communicating and performing the Bible and other literature with sacred themes. The class will explore Max Harris' theory that the Bible is best understood as a work that must be continually re-enacted to be experienced in all its fullness. Through performances, voice and body work, literary analysis, class discussions and workshops by guest artists, students will discover what it means to bring this material to life through the art of interpretation. By permission. Periodic offering.

TA 345 See TA 145**TA 348 CHAMBER THEATRE (3)**

Learn new performing techniques for prose literature that take advantage of all of the theatrical devices of the stage without sacrificing the narrative elements of the literature. One-third of the course will be devoted to understanding the background and techniques of chamber theatre; one-third to selection of literature and script-making; and one-third to rehearsal and performance of the scripts developed in the course. Since it is more effective to learn theory through practice, the time frame suggested will allow some of the activities and learning to occur concurrently rather than sequentially. Periodic offering.

TA 361 FUNDAMENTALS OF DIRECTING (3)

The technical aspects of directing include play selection, casting, blocking, emphasis on characters, picturization, composition, rhythm. The student will study, then apply these techniques by staging a short production for a public audience -- from play selection to auditions, casting, preparing a director's script and rehearsing. Prerequisites: TA 231 and TA 273. Fall semester, even years.

TA 365 FESTIVAL OF CHRISTIAN DRAMA (3)

This course is designed to introduce students to contemporary Christian playwrights and their work. Students will select, rehearse and present a variety of contemporary Christian plays. Prerequisites: TA 231, TA 273, and by audition. Periodic offering.

TA 372 STORYTELLING (3)

The student will learn what makes a good story and how to prepare it for telling. In developing the skill of the folk art of storytelling, attention is directed to the body of literature originally preserved by retelling, including folk tales, fairy tales, chants, legends, myths and hero tales. Experience in the presentation of characters, narratives and images will help to bring the story alive. Skill is developed through practical experience in the telling of stories before the class and other audiences. Periodic offering.

TA 375 TECHNICAL THEATRE II (3)

Students will receive instruction and laboratory experience in stage lighting and sound and will be involved concurrently in theatre productions. Study includes an introduction to various types of theatrical lighting instruments; basic explanation of optics and reflectors; basic electricity and safety in theatre application; theories of lighting designs, including their advantages, disadvantages and combinations; use of color in light; introduction to control, history, practical use, and possibilities and preparation of a light plot for various types of stages. Spring semester.

TA 396 TOPICS IN THEATRE (1-3)

Selected upper-division topics in theatre such as auditioning and resumes, period styles in acting, ethnic theatre, ritual and performance theory. Prerequisites: TA 231 and TA 273. Periodic offering.

TA 430 See TA 130

TA 445 See TA 145

TA 473 ACTING II (3)

This course surveys acting styles by performing literature from different historical periods: Greek and Shakespearean tragedy, comedy of manners or farce, realism and post-realism. The actor's task is to discover, adopt and play the right "mask" by analyzing not only the language and context but also the social and cultural environments of the text. Prerequisites: TA 231 and TA 273. Spring semesters.

TA 476W HISTORY OF THEATRE I (3)

Students study the literature and manner of presentation of Greek, Medieval English Renaissance and Restoration, and French Neo-Classical theatre. By identifying unifying threads that run through theatre history, students will discuss patterns in the relationship between the church and the theatre. Students will also read dramatic literature characteristic of historical periods and discuss methods of production typical of different periods. In this literature-based course, students are expected to do a great deal of independent research. Fall semester, odd years.

TA 477W HISTORY OF THEATRE II (3)

Students study the literature and manner of presentation of European and American theatre of the 18th, 19th and 20th centuries. Identifying the unifying threads that run through theatre history, students will discuss patterns in the relationship between the church and the theatre. Students will read dramatic literature characteristic of historical periods and discuss methods of production typical of different periods. In this literature-based course, students are expected to do a great deal of independent research. Spring semester, even years.

TA 481, 482 PROJECTS IN THEATRE (1-2)

Projects in performance or research provide an opportunity for students to arrange for individual instruction in some aspect of theatre that is not available in regularly scheduled courses but has particular significance in that student's program. It may be a requirement for admission to a particular post-graduate course of study or it may be essential to a particular emphasis of an individual student's course of study. The project is proposed by the student and refined in consultation with the professor. Feasibility and appropriateness must be approved by the departmental faculty. Prerequisites: completion of a minimum of four courses, two of which must be upper-division. Fall and spring semesters.

TA 494 SENIOR PERFORMANCE (3)

The Senior Performance is the capstone experience for the theatre major. It may involve the selection, development and performance of a significant one-person or two-person show, the directing of a play, or the design and implementation of sets and lights for a main stage production during the senior year. The proposal for the senior performance must be approved by the department faculty at least one semester prior to registering for TA 494. Prerequisites: senior status and private lessons (TA 430) concurrently. Fall and spring semesters.

DIRECTED STUDIES

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492,); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490); FIELD STUDIES (280, 480); AND TEACHING ASSISTANTSHIPS (395, 495). See Page 104 for details regarding these studies.

Directed Studies

INDEPENDENT STUDY (NUMBERED 191, 192, 291, 292, 391, 392, 491, 492, 591, 592)

Special projects may be undertaken on a tutorial basis by qualified students. Department approval of proposals is based upon the following criteria:

- 1) the student has demonstrated readiness for independent work;
- 2) no regular course covers the project materials; and
- 3) a regular full-time faculty member agrees to supervise the study.
- 4) Students should take no more than 12 credits of independent study during the total college career and ordinarily no more than three per semester.

Students are to submit proposals with the signatures of the faculty supervisor and the department chair to the Registrar's Office by the seventh class day of each of the long semesters in which the study is taken. During Jan Term and summer terms, proposals must be submitted by the fourth class day.

READINGS (numbered 386,486)

If the study is primarily a review of literature, the "readings" designation may be given. This type of study might be preparatory work for a research paper, particularly at the graduate level.

TEACHING ASSISTANTSHIP (numbered 395, 495)

For the advanced major in a discipline (junior standing required). If a faculty member feels a student has sufficient maturity in his or her field, the student may be offered the opportunity to assist in the teaching process. Responsibilities vary and may include the following: grading of papers and examinations; preparation of lectures, exams or experiments; tutorial assistance and discussion-group leadership; occasional lecture responsibility for the very mature student. This sort of responsibility falls into the "honors" category at Whitworth and is available only to the exceptional student.

DIRECTED STUDIES: COOPERATIVE EDUCATION/INTERNSHIPS AND FIELD STUDIES

A vital part of any liberal arts education is the integration of classroom studies with working environments off campus. All Whitworth students are encouraged to prepare for later employment through training in the professional community. Through these programs, students may earn academic credit by integrating classroom studies with actual work experience and can build job-search skills that prepare them for future employment. Cooperative education/internship and field study placements are available in all departments of the college. Information and guidance are provided by the Cooperative Education/Internship and Field Study Office.

FIELD STUDY (numbered 280, 480)

This program provides the opportunity to explore a particular career area in any field of interest. The program is an observational, exploratory, hands-on type of experience. Students may participate at any time, from the second freshman semester through the senior year.

COOPERATIVE EDUCATION AND INTERNSHIPS (numbered 290, 390 and 490)

Cooperative education and internships at Whitworth College are intended to integrate classroom learning with professional work experience as a valuable part of each student's college education. Placements are directly related to students' major programs of study. This experiential learning, which cannot be replicated in a structured classroom environment, helps prepare students for the world of work. Cooperative education/internship courses are reserved for second-term freshmen and all sophomores, juniors and seniors.

International and Multicultural Education

Knowledge of a world culture other than one's own is a major learning goal at Whitworth. The college offers a wide variety of international and multicultural courses involving travel, in order to provide the best opportunity for students to live and learn in vastly different cultural settings. In these off-campus venues, students acquire understanding that helps form their value systems, priorities and commitments to serve a world in need. Participants return better prepared to live in an interdependent world.

Whitworth's goal is to ensure that all students who wish to do so are able to study a different culture abroad or elsewhere in America. The Off-Campus Studies Office assists students in planning and executing their international and multicultural study programs. Working with an expanding network of partner universities and institutions in the U.S. and throughout the world, the center provides programs for both individuals and groups that range in cost from no more than campus room and board to \$3,000 (plus tuition) in areas with high costs of living. Official exchange programs between Whitworth and other foreign universities are generally the least expensive for students. Overseas travel scholarships are available to qualified students.

WHITWORTH SEMESTER ABROAD

At least one semester each year, a group of Whitworth students travels to a foreign country for three months and receives instruction from Whitworth faculty as well as from native scholars. These "mini-colleges" abroad generally include from 20 to 40 students and are limited to students who are at least at the sophomore level. Applications for the semester-abroad programs are due one year in advance, and students may be screened on the basis of maturity and adaptability to foreign environments. The schedule for these programs is as follows:

BRITISH ISLES

Courses: English literature, history, and art
Highlights: Visits to major cities and historic sites; homestays in England
Years: 1999 (fall) and every third year thereafter

CENTRAL AMERICA

Courses: Contemporary Central-American problems, intensive Spanish and service internship. Program includes travel to Costa Rica, Guatemala, Honduras, Nicaragua and Mexico
Highlights: Intensive language study in Guatemala and a rural home-stay in Honduras
Years: 1999 (Jan Term/spring) and every third year thereafter; occasional summer offerings

FRANCE

Courses: French literature, history, politics and art, including intensive French prior to departure
Highlights: Home-stays and living in several French cities
Years: 1998 (spring) and every third year thereafter

EXCHANGES AND STUDY-ABROAD OPPORTUNITIES

Through overseas partnerships and other arrangements, the college can arrange for individual students or small groups to study abroad or at a multicultural setting in the U.S. for one semester or for an entire year. Whitworth students typically pay tuition and room and board to Whitworth College and then receive tuition and room and board at the foreign university without charge.

Students may enroll at the following partner universities (if vacancies are available):

CHINA

Nanjing University, Nanjing
Highlights: Students focus on Mandarin study and may take time for travel throughout China.
Requirements: Intermediate Chinese language
Number of positions per year: Open

Jilin Teachers College, Jilin

Highlights: Students experience interior China and participate in a practicum in teaching English as a second language; they also study Mandarin as part of the program.
Requirements: Beginning Chinese
Number of positions per year: Open

COSTA RICA

National University of Heredia
Highlights: Students live with host families and take coursework in Spanish.
Requirements: Advanced Spanish language ability
Number of positions per year: Open

ENGLAND

University of Greenwich, Greenwich
Highlights: Students live in apartments on campus and choose from a wide variety of courses in the humanities and sciences, with easy access to all of the the cultural offerings in nearby London.
Number of positions per year: Open

FRANCE

University of Provence, Aix-en-Provence
Highlights: Students attend French classes in beautiful southern France.
Requirements: Advanced French language ability
Number of positions per year: Open

GERMANY

Munich Conservatory of Music
Highlights: Studies in music theory at one of Germany's most prestigious conservatories
Requirements: Intermediate German language ability; music majors only
Number of positions per year: Open

ITALY

American University of Rome

Highlights: Whitworth's Music in Rome program is designed for qualified music students who wish to study chamber and ensemble music, private lessons and Italian culture and language. Students live in apartments in the heart of the city. Field trips to cultural sites are included.

Requirements: Sophomore standing; audition tape required. Previous Italian helpful but not required.

Number of positions per year: Open

JAPAN

Seiwa College, Nishinomiya

Highlights: This Christian school specializes in early childhood education. Students live in dorms or with host families and choose from courses in Japanese language and culture, including Asian studies, business management, Japanese literature and Japanese religions.

Requirements: One year of Japanese language

Number of positions per year: Open

Shikoku Christian College, Zentsuji

Highlights: Located on rural Shikoku island; students live in dormitories on campus and may participate in college clubs as part of language training. Special instruction in Japanese culture provided.

Requirements: One year of Japanese language study

Number of positions per year: Open

SOUTH KOREA

Keimyung University, Taegu

Highlights: Students live with host families or in dormitories and choose from over 80 courses taught in English, including political studies, business, history and art.

Requirements: No language requirement

Number of positions per year: Open

Soong Sil University, Seoul

Highlights: This Presbyterian university in the capital city of Korea emphasizes studies in computer science, Christian missions, international affairs, international business. Instruction is in English.

Requirements: No language requirements

Number of positions per year: Open

MEXICO

Iberoamericana University, Mexico City

Highlights: Students live with host families near the university, and choose from courses ranging from international relations to workshops in oral and written Spanish.

Requirements: Intermediate Spanish language ability

Number of positions per year: Open

SPAIN

The Center for Cross-Cultural Study, Seville

Highlights: Students live with host families or in student residences. Studies emphasize cross-cultural experience through travels and study visits, and speaking Spanish.

Requirements: Intermediate Spanish language ability

Number of positions per year: Open

THAILAND

Payap University, Chiang Mai

Highlights: Students live in dorm rooms and study Thai culture, language and music.

Requirements: No language requirements

Number of positions per year: Open

UKRAINE

Kiev University, Kiev

Highlights: Students take courses in Russian language, history, literature and contemporary life. Inexpensive travel excursions are available during holidays.

Requirements: No prior language requirement, but students are required to study Russian there.

Number of positions per year: Open

USA

Sheldon Jackson College, Sitka, Alaska

Highlights: Students live in dorms at this small Presbyterian college and have the opportunity to take courses on Native Alaskan culture.

Requirements: Sophomore standing

Number of positions per year: Open

Stillman College, Tuscaloosa, Alabama

Highlights: Students live in dorms at this traditionally African-American college and have the opportunity to study African-American heritage.

Requirements: Sophomore standing

Number of positions per year: Open

INTERNATIONAL STUDENT EXCHANGE PROGRAM

This consortium program allows Whitworth students to attend 150 member universities in Europe, Africa, Asia, Australia, Canada and Latin America. Payment for tuition, room and board is made to Whitworth. The student pays a placement fee and airfare. Some travel scholarships are available to qualified students.

Some of the universities that have welcomed Whitworth students through ISEP include University of Amsterdam and University of Nijmegen (The Netherlands), University of Tampere (Finland), Trier University (Germany), and the Universities of Angers, Nice and Franche-Comte (France).

COALITION FOR CHRISTIAN COLLEGES AND UNIVERSITIES

As a member of the Christian College Coalition, Whitworth supports the coalition's three study programs. Four positions per year are open to Whitworth students desiring to spend either fall or spring semester studying at one of the following locations:

American Studies Program, Washington, D. C.

Highlights: Students live in apartments in the nation's capital. The program includes coursework and internships that focus on current national and international issues in public policy in the context of Christian faith. Requirements: Junior standing, serious Christian commitment and strong academic record

Latin American Studies Program, San Jose, Costa Rica

Highlights: Students live with host families. Program includes intensive Spanish-language coursework; seminars on Latin-American history, politics, economic and religious life; a service-related internship; a two-week tour of other Latin American countries. Two specialized academic tracks, international business and management and tropical sciences and sustainability, are available to qualified students.

Requirements: Junior standing, serious Christian commitment and strong academic record

Los Angeles Film Studies Center, Los Angeles, Calif.

Highlights: The program provides an introduction to the mainstream Hollywood film industry and examines the industry within a Christian context and from a liberal arts perspective. Students learn from both theoretical and hands-on approaches, including an internship.

Requirements: Junior standing, serious Christian commitment and strong academic record

JANUARY TERM

The month of January is a period that affords a broad variety of short study tours led by Whitworth faculty. Aside from courses offered on a regular basis (usually alternating every other year), there are often several "one-of-a-kind" experiences for student selection. Notice of these travel courses is made in late spring or early fall prior to the proposed January of travel. The courses are as follows:

EUROPE (ITALY, FRANCE, ENGLAND)

Course: Core 250

Highlights: Travel across Europe visiting the key historic sights associated with Western philosophers.

Group size: approximately 20

Alternate years, 1997

GREAT BRITAIN

Course: British Culture Through Music and British Culture Through Theatre, London

Highlights: Attend at least nine plays or concerts; backstage tours

Group size: Approximately 24 each course

Alternate years, 1998

GUATEMALA

Course: Everyday Spanish 130, 230, 330

Highlights: Live with host families and study Spanish through one-on-one instruction at a language school in Antigua.

Group size: Open

Yearly

HAWAII

Courses: Cross-cultural psychology, cross-cultural education, Asian studies, international business

Highlights: Field interviews with local resource persons

Group size: Approximately 15 each course

Alternate years, 1997

ISRAEL

Course: Biblical History and Geography

Highlights: Opportunity to attend the Institute of Holy Land Studies in Jerusalem

Group size: Approximately 12

Alternate years, 1998

JAPAN

Course: Sports Medicine Seminar

Highlights: Comparison of American and Japanese approaches to sports medicine

Group size: Open

Alternate years, May Term 1997

MUNICH/ROME

Course: Jazz Workshop

Highlights: Participation in workshops and concerts with students from the Academy of Music in Munich and, alternating years, from the American University of Rome

Group size: 10 (by audition only)

Alternate years: Rome, 1997; Munich, 1998

MUNICH & ROME

Course: Domain of the Arts

Highlights: Study and contrast the arts in two of Europe's richest cultural centers by attending concerts and visiting museums and historic sites.

Group size: 15

Alternate years, 1997

SAN FRANCISCO

Courses: Psychology, literature, music, arts, and multicultural education.

Highlights: Orientation to urban culture, opportunity to study diverse cultures within the city. May fulfill other-culture requirement by contracted research work.

Group size: 32

Yearly

TALL TIMBER RANCH

Courses: Theology and ecology.

Highlights: Focus on environmental issues and Christian stewardship at a mountain lodge in Washington's North Cascades. Lessons in cross-country skiing and survival skills lead up to a five-day expedition in the wilderness.

Group size: 15

Yearly

MULTICULTURAL EDUCATION

Course sites: Alaska, Coeur d'Alene Indian Reservation, Yakima Valley, Korea, Jamaica, Taiwan, San Francisco, Spokane Refugee Center and others by arrangement

Highlights: Education students develop an understanding of minority cultures by living and working among the people.

Individual arrangements

Yearly

SUMMER TERM PROGRAMS MAY TERM

DIAKONIA

This summer Christian outreach sponsored by Whitworth provides students the opportunity to perform volunteer Christian service in a variety of settings, including New York, Philadelphia, Mexico and Northern Ireland. Sophomores and juniors may apply. Support money is raised through various fund-raising projects on campus.

INTERNATIONAL COOPERATIVE EDUCATION

Students may locate overseas for internships with the International Cooperative Education (ICE) program coordinated by the Northwest International Education Association. ICE interns receive room and board and a living stipend in exchange for work in the overseas location. Cost to the student includes summer tuition, transportation and a placement fee. Primary locations for ICE are England, Thailand, China, Japan, Germany and the Philippines.

COOPERATIVE EDUCATION

Cooperative education programs (internships) are handled by the Student Placement Office located in Student Life. The Student Placement Office and the Off-Campus Study Office work together to assist students in locating international internships.

Adult Degree Programs/ Continuing Studies

Acting Director: Cheryl Florea Vawter

The Department of Continuing Studies administers the Evening and Summer College programs along with the following degrees: Bachelor of Liberal Studies and Bachelor of Arts in Organizational Management degree-completion program. Call the Department of Continuing Studies (509-777-3222) for more information on any of these programs.

Continuing Studies offers a variety of programs for adult students. Evening College is designed for working adults in the greater Spokane area who need to complete their degrees on a part-time basis. The Evening College offers degrees primarily in business management, organizational management, education and liberal studies at a tuition rate competitive with area public universities. In addition, Continuing Studies offers a bachelor of liberal studies degree at a reduced tuition for adults who are able to attend full time during the day. This degree is also available on a part-time basis or through Evening College. Whitworth's Summer College offers a wide array of courses suited for traditional age students as well as adult learners.

BACHELOR OF ARTS IN ORGANIZATIONAL MANAGEMENT DEGREE-COMPLETION PROGRAM

Whitworth College developed the bachelor of arts in organizational management in response to an increased need among adults in the greater Spokane area for a degree that blends theory with practice and allows adults who work full time to complete a degree in the evening and on weekends.

The degree-completion program is characterized by several unique features when compared to more traditional degree programs. First, the program can be done more quickly. Students will be able to complete a 36-semester-credit major in approximately 17 months, compared to the normal 24- to 30-month time span for a part-time student. Each course will meet one evening per week for six weeks, with two Saturday sessions. Second, the program is offered only to a cohort of students. Simply put, this means that a group of 18-25 students will begin taking the courses for the organizational management major together, and will take each course in the major in sequence.

Admission Requirements

The following requirements are necessary for admission into the bachelor of arts in organizational management degree program.

- a minimum of 60 semester credits (90 quarter hours) of prior transferable college work from accredited colleges or universities;
- a grade point average of 2.0 or above in courses transferred into Whitworth;
- two references from persons qualified to assess the student's academic or professional competency;
- a writing sample, to be assessed by the Department of Continuing Studies and the organizational management faculty, that demonstrates competency in writing skills necessary for success in the program;
- a completed application along with a \$25 non-refundable application fee.

Note: Applicants must be 25 years of age or older, or they must have three years of documented full-time professional experience in the workplace.

Portfolio Assessment

Students enrolled in the organizational management program who have obtained knowledge through prior experiential learning may earn college credit through portfolio assessment. Designed for the adult who is self-motivated and highly skilled in analytical process, portfolio development involves knowledge assessment, documentation, third-party verification, and an understanding of college-level learning expectations. Examples of appropriate college-level learning might be work-related training seminars or self-directed study. Up to 32 semester credits may be earned through portfolio assessment. Those interested in portfolio assessment of prior learning must attend a one-semester-credit course on portfolio development.

Degree Requirements

Academic requirements for the bachelor of arts in organizational management degree include:

- completion of the Whitworth College general college requirements;
- completion of organizational management courses totaling 36 semester credits;
- completion of 126 total semester credits;
- a cumulative grade point average of 2.0 in all Whitworth courses and in the organizational management major.

Organizational Management Curriculum

Students take one course at a time. Each course requires six weeks to complete, meeting for one four-hour session per week and on two Saturdays during the term for all-day sessions. Students earn three semester credits for each course. The entire organizational management component of the bachelor's degree can be completed in approximately 17 months.

FIRST SEMESTER

(For course descriptions, see Page 43.)

BU 351	Group Dynamics	(3)
BU 352	Human Behavior in Organizations	(3)
BU 353	Organizational Development and Change	(3)
BU 354	Human Resource Development	(3)

SECOND SEMESTER

BU 355	Accounting, Budgeting and Control	(3)
EC 356	Applied Economic Principles	(3)
BU 457	Employment Laws and Regulations	(3)
BU 458	Application of Management Principles	(3)

THIRD SEMESTER

BU 459	Management of Innovation and Technology	(3)
BU 460	Information Management and Communication	(3)
BU 461	Ethics in Management	(3)
BU 462	WApplied Research	(3)

BACHELOR OF LIBERAL STUDIES

Whitworth's liberal studies degree is a bachelor's degree offered to adults as an alternative to traditional degree programs that specify a major area of study. The liberal studies degree builds on the strength of a liberal arts core curriculum, providing the adult student with a balanced and coherent study of the arts, humanities, and natural and social sciences. Whitworth's liberal studies program allows adult students to select courses that meet their individual goals and lifelong learning needs. Whitworth is dedicated to providing an academically excellent liberal arts education that will equip each student with the skills necessary to respond creatively to the personal and professional challenges of life.

REQUIRED COURSES FOR AREAS OF CONCENTRATION IN LIBERAL STUDIES

COMMUNITY LEADERSHIP

(40)

This degree prepares the graduate to assume a position of leadership within local community agencies, social service agencies or non-profit organizations. The degree emphasizes the study of liberal arts, American history and political studies. Additional courses develop leadership skills.

HI 131	American History Before 1877	3
HI 132	American History Since 1877	3
PO 102	American National Politics	3
PO 371	Introduction to Public Administration	3
BU 230	Financial Accounting	4
BU 315	Funding and Grant Writing	3
BU 330	Fund Accounting and Budget Management	3
BU 374W	Principles of Management	3
BU 450W	Social and Ethical Issues in Business	3
EC245/345	Economics of Social Issues	3
JR 244	Publicity and Public Relations	3
SP 113	Interpersonal Communication	3
390/490	Internship	3

PROGRAM MANAGEMENT

(40)

A degree designed for people interested in directing budgets and programs for nonprofit organizations, social services and government agencies.

BU 230	Financial Accounting	4
BU 315	Funding And Grant Writing	3
BU 318	Marketing	3
BU 340	Business Law	3
BU 330	Fund Accounting and Budget Management	3
BU 373	Human Resources Management	3
BU 374W	Principles of Management	3
BU 450W	Social and Ethical Issues in Business	3
BU 473	Applied Human Resource Management	3
EC 245/345	Economics of Social Issues	3
JR 244	Publicity and Public Relations	3
SP 113	Interpersonal Communications	3
390/490	Internship	3

HUMANITIES

(45)

Courses for the humanities track must be directed and approved by the academic advisor in Continuing Studies. A minimum of 45 semester credits is required for the completion of the humanities track.

At least 30 semester credits must come from courses in the following areas: English, history, philosophy, religion, art, music, communication studies and theatre.

15 semester credits may be earned from courses in the following social sciences: psychology, sociology, political studies and economics.

One of the above courses must be a writing-intensive course, designated by a "W" after the course number.

BACHELOR OF LIBERAL STUDIES "UPSIDE-DOWN" DEGREE PROGRAM FOR COMMUNITY COLLEGE A.A.S. DEGREE HOLDERS

This degree is often referred to as an "upside-down" degree because the normal order of beginning with general college course requirements and finishing with studies in a specialized field in order to complete a four-year bachelor's degree is reversed. This program allows a student to complete an A.A.S. degree at a Washington state community college in a specific field and subsequently come to Whitworth for completion of the general college requirements as well as the upper-division credits required for a bachelor's degree.

A.A.S. Degree Credits Accepted By Whitworth

Whitworth will accept credit from selected associate of applied science degrees from regionally accredited Washington state community colleges if the student chooses to apply that credit toward a bachelor's degree in liberal studies (the "upside-down" degree). The student will transfer in with 60-64 semester credits (depending upon the total number of credits earned through the A.A.S. degree), and will be granted junior standing. A list of accepted A.A.S. degrees is available through the Department of Continuing Studies.

ADMISSION REQUIREMENTS

Bachelor of liberal studies students must be 25 years old or older. A grade point average of at least 2.5 is required for admission, as is achievement of satisfactory scores on entry skills placement exams in mathematics and standard written English. If scores on entry tests indicate inadequate skills in either area, completion of remedial coursework is required.

Special consideration will be given to applicants under the age of 25 who want to enroll in the "upside-down" degree program if they have demonstrated high academic ability in obtaining their A.A.S. degrees.

All applicants must meet with an advisor from Continuing Studies prior to admittance into the program.

REQUIREMENTS FOR COMPLETION OF BACHELOR OF LIBERAL STUDIES DEGREE (ALL AREAS OF CONCENTRATION):

1. a minimum of 130 semester hours total, including those transferred from other institutions;
2. a cumulative grade point average of at least 2.00 in all courses taken at Whitworth;
3. the completion of 36 semester hours of upper-division courses (numbered 300 or above);
4. at least 32 semester hours must be earned in a degree program at Whitworth, including the last semester of the senior year. Credits earned by examination do not satisfy this requirement;
5. satisfactory completion of Whitworth's general college requirements.

Students enrolled as Continuing Studies part-time evening students may not be required to take all general college requirements if those requirements are not available in the evening. This change in requirements, as authorized by the faculty, may also affect the total number of semester credits needed for graduation. Contact the Office of the Registrar or the Department of Continuing Studies for more details.

Core course requirements for students admitted through the Continuing Studies Office are as follows:

- Part-time evening students must take Core 250 only.
- Part-time day students (taking 50 percent or more of their classes during the day) must take all three Core classes.
- Full-time bachelor of liberal studies students must take all three Core classes.
- Full-time bachelor of liberal studies students in the "upside-down" degree program must take two Core courses of their choice.

Graduate Studies in Education

Master's Degree and Certification Programs

FACULTY: Betty Malmstad (Chair), David Cherry, Mike Cunningham, Virgil Dedas, Les Francis, Warren Friedrichs, Robert Iller, Helen Liberg, Doris Liebert, Margo Long, Diane Marr, Scott McQuilkin, Frances Mester, Arlin Migliazzo, Ronald Prosser, Tammy Reid, R.J. Smith, Dennis Sterner, Robert Stevenson, Kyle Storm, Raja Tanas, John Traylor, James Waller

Admission Policies

1. No more than six semester credits should be taken prior to admission to GSE, as there is no guarantee they will count toward a graduate degree.

2. There are three levels of admission, as follows:

- **Full admission** — Cumulative grade point average of 3.0 or higher, 25 percent or higher in verbal and quantitative areas of the GRE, and acceptable evaluations.

- **Conditional admission** — Cumulative grade point average of 3.0 or higher, acceptable evaluations, and GRE scores of 10-24 percent in verbal and quantitative areas.

- **Special admission** — Cumulative grade point average of 2.7-2.9, acceptable evaluations, and GRE scores of 10-24% or higher in verbal and quantitative areas. With special admission, student must achieve a "B" or better in four graduate-level courses (two or three semester credits) before receiving conditional or full admission.

3. Applicants are to earn a score at the 25th percentile or higher on both the verbal and quantitative portions of the GRE General Test. If scores are below this level, additional coursework in English and/or math must be completed in order for the student to be fully admitted to Graduate Studies in Education. This will be determined with a graduate advisor. Admission is denied to individuals who score lower than the 10th percentile in either the verbal or quantitative sections of the GRE. These individuals are encouraged to do refresher work and then retake the GRE at a later date for admission consideration.

4. Applicants must hold a bachelor's degree from an accredited college or university.

5. Applicants must have:

- a cumulative grade point average of 3.0 or higher for conditional or full admission;
- a cumulative grade point average of 2.7 in the last 30 semester credits of academic (non-workshop coursework) for special admission.

6. Completion of a teacher-education program is required for all School of Education master's degree and certification programs except MIT, M.Ed., Guidance and Counseling (School Certified or So-

cial Agency/Church Setting); M.Ed. Administration, General; and MAT in Teaching — English as a Second Language (non-certified). For the MAT in ESL, the candidate must have a strong college academic background at the bachelor's-degree level in English and teaching methods, even though a teaching certificate is not required. Photocopies of all Washington teacher, administrator or ESA certificates and certificates from other states must be submitted with the application for admission.

7. Prerequisites prior to graduate study may be required where applicants lack appropriate preparation. A background course in exceptional learners is required for the school counselor track. At Whitworth College, the recommended course is ED 500A, Introduction to Exceptional Learners and Mainstreaming Concepts. Students whose first language is not English may be required to complete some prerequisites prior to consideration for admission to GSE. These courses are determined with an advisor, to improve expertise in English, math, education methods and study skills.

8. For foreign students, the TOEFL test or the GRE is required prior to admission. The minimum score accepted on the TOEFL is 550. Testing is also done in English and in math, prior to taking graduate coursework, to determine any necessary prerequisites to be written into the degree plan.

Foreign students must provide proof of adequate financial resources for graduate study prior to admission. (A handout including detailed information is available in the GSE office.)

NOTE: Several of our programs are currently being revised to meet all SBE requirements. Consult with our graduate advisor regarding all current information.

Whitworth College offers a wide variety of programs in education leading to the following degrees and/or certifications:

MASTER OF EDUCATION SCHOOL ADMINISTRATION

Initial Administrator Certificate (P-9 or 4-12 Principal)

Program Coordinator: Betty Malmstad

This program is for potential principals in public or private (P-12) schools. Each candidate must have appropriate evaluations/references on file in the GSE Office before admission is approved, as discussed with the candidate in a conference with the coordinator of graduate advising. Please call and make an appointment for this conference (777-3228). The program carries with it competency-based certification with recommendations from the Administrative Professional Education Advisory Board. This board is composed of representatives of the Association of Washington School Principals, Washington Association of School Administrators, Washington Education Association and Whitworth College. (See PEAB information at the end of this section.)

Certification is available for either elementary (P-9) or secondary (4-12) administration.

Certification at the initial level is generally achieved together with the completion of the M.Ed. degree in administration.

This certification program is also available for teachers who have already completed a master's degree program.

M.ED. IN SCHOOL ADMINISTRATION (34)

*Courses marked with an asterisk in this section are required prior to certification for candidates who already have a master's degree.

ED 531	Advanced Educational Psychology	3
ED 539	Educational Research	4
ED 551	Core: Milestones in Education	3
ED 523*	Supervision and Human Relations	3
ED 525*	Organization & Administration of Public Schools	3
ED 533*	Curriculum Development	3
ED 546*	Legal and Policy Foundations	3
ED 548*	Public School/Community Relations	2
ED 560*	Public School Finance	2
ED ___*	Minimum of 2 semester credits in abuse	2

(e.g., Substance Abuse, Working with Abused Children, Youth Suicide, Contemporary and Legal Issues in Counseling)

Meeting with Administrative PEAB

ED 585* Administrative Internship (in school setting) 6
Internship cannot begin until completion of academic coursework and recommendation by the Professional Education Advisory Board. NOTE: All internships begin in the fall of the school year.

MASTER OF EDUCATION ELEMENTARY EDUCATION

Program Coordinator: Doris Liebert

or

MASTER OF EDUCATION SECONDARY EDUCATION

Program Coordinator: Margo Long

M.ED., ELEMENTARY OR SECONDARY EDUCATION (34)

This master's degree is designed for educators who wish to pursue advanced professional study with specific courses to meet individual professional goals in either elementary or secondary education.

1. Required courses:

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	Core: Milestones in Education	3

NOTE: A technology component will be added to these programs as soon as appropriate approval is in place.

2. Electives chosen with the assistance of the coordinator of graduate advising to meet the student's individual needs, at either the elementary or secondary level 18

3. The completion of one of the following:

ED 569G	Research Project	3
or ED 599	Thesis	6

(Take 3 semester credits less in Theme of study)

4. Successful completion of three written comprehensive examinations. The exams are based on required courses and are selected with the coordinator of graduate advising. Student must have completed 18 semester credits in the program and be fully admitted (any prerequisite work must be successfully completed) before exams can be taken. Contact the GSE Office for details.

M.ED. IN GUIDANCE AND COUNSELING (34)

*Courses marked with an asterisk in this section are required prior to certification for candidates who already have a master's degree.

Educational Staff Associate (ESA) School Counselor Certification (P-12)

Program Coordinator: Ronald Prosser

This program is designed for the preparation of public school counselors at both the elementary and secondary school levels.

Degree Requirements:

ED 531	Advanced Educational Psychology	3
ED 539A	Research for Counselors	4
ED 551	Core: Milestones in Education	3
ED 501*	Counseling Theories	3
ED 526*	Counseling Process	3

(Prerequisite: ED 501 and full admission to guidance and counseling program)

ED 565*	Introduction to Group Counseling	3
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(Prerequisite: ED 501, ED 526 and full admission to guidance and counseling program)

ED 566*	Group Process	3
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(Prerequisite: ED 501, ED 526, ED 565 and full admission to guidance and counseling program)

ED 542*	Contemporary and Legal Issues in Counseling	3
ED 503E*	Career Education and Referral Information	3
ED 561*	Tests and Measurements	3
ED 550A*	Counseling Practicum (in school setting)	3

Student registers for ED 550A after completion of all coursework and after approval is secured from the Counselor Professional Education Advisory Board.

Meeting with the Professional Education Advisory Board is required prior to practicum approval.

*Successful completion of the state-required written comprehensive exam is required for this degree. It is generally taken during the practicum experience. This exam is offered in January, June and August.

For Initial ESA Counselor Certification, the following courses are required in addition to the above courses.

ED 558*	Consultation Seminar	1
ED 580*	Professional Counselor Seminar	1

The above two courses are taken in the fall during the practicum.

ED 550B*	Counseling Practicum (School Setting)	3
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*Initial Level ESA Review Board is arranged after completion of ED 550B.

NOTE: This program is in the process of revision to comply with new State Board of Education requirements. Students will be responsible for completing any new requirements.

M.ED. IN GUIDANCE AND COUNSELING (35) Social Agency or Church Setting

Program Coordinator: Betty Malmstad

Many social agency and church professionals desire a counseling degree that omits school certification but includes electives related to specific career goals, as well as the core counseling courses and practicum. Written evaluations are required from specific individuals; these should speak to the candidate's potential skills as a counselor for admission into this program.

Degree Requirements:

ED 531	Advanced Educational Psychology	3
ED 539A	Research for Counselors	4
ED 551	Core: Milestones in Education	3
ED 501	Counseling Theories	3
ED 526	Counseling Process	3

(Prerequisite: ED 501E and admission to guidance and counseling program)

ED 565	Introduction to Group Counseling	3
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(Prerequisite: ED 501, ED 526 and full admission to guidance and counseling program)

ED 566	Group Process	3
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(Prerequisite: ED 501E, ED 526, ED 565E and full admission to guidance and counseling program)

NOTE: ED 565 and 566 cannot be taken until full admission into the program is granted.

ED 585F	Clinical Assessment and Diagnosis	2
ED 561	Tests and Measurements	3
ED ____	A minimum of 2 semester credits in courses such as Marriage/Family Counseling, Substance Abuse, Youth Suicide, Sexual Abuse, Contemporary and Legal Issues in Counseling	2
ED 550	Counseling Practicum (social agency setting)	6

MASTER OF ARTS IN TEACHING MAT IN ENGLISH AS A SECOND LANGUAGE (ESL) (35)

Acting Program Coordinator: Betty Malmstad

Degree Requirements:

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	CORE: Milestones in Education	3
EL 588	Development and Structure of English Language	3
ED 527E	Second-Language Acquisition	3
ED 565E	Introduction to Language	3
ED 591	Cultural Anthropology**	3

***(Note: Student also attends day course SO 200.)*

ED 526E	ESL Curriculum Design and Testing*	3
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*Prerequisite ESL teaching experience or 2 ESL classes

ED 564H	Methods of Teaching Languages *	3
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*Prerequisite 527E and one additional ESL Class

ED 506C	Practicum: English as a Second Language**	4
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***(Minimum of 160 hours in a supervised setting taken after completion of all coursework.)*

Successful completion of three written comprehensive exams determined with advisor. Complete details are available in GSE Office.

This program is designed to serve two student groups:

1. students who are completing requirements for elementary or secondary teaching certificates (initial or continuing) for whom ESL will be a second endorsement. Be sure to check with the Certification and Placement Office to discuss classes necessary to meet essential areas for endorsement;
2. students who want to teach English as a second language abroad, with or without ESL certification (includes graduate students for a Master of Arts in Teaching ESL).

NOTE: This program is currently under revision. An insert will be prepared to list appropriate information. Students will be required to complete any additional requirements.

MAT/GIFTED AND TALENTED (34)

Program Coordinator: Margo Long

This program is designed to train teachers of gifted and talented students and mainstream classroom teachers to evaluate and utilize appropriate current trends and research ideas, develop differentiated curriculum for all students, and individualize instruction so that each child's needs can best be met. While there is no specific endorsement for Gifted and Talented, a student can receive recognition with a specialty area in Gifted and Talented.

MAT/GIFTED AND TALENTED (continued) (34)

Degree Requirements:

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	Core: Milestones in Education	3
ED 500E	Creativity in the Classroom	3
ED 573A	Teaching and the Self-Concept	3
ED 576	Strategies for Challenging Bright Students	3
ED 596	Educational Psychology of the Gifted	3
ED 584	Practicum: Gifted and Talented	3

(Minimum of 120 hours in a supervised setting taken after completion of all coursework)

Approved electives:

6
(Note: Six semester credits of on-campus Whitworth College graduate-level workshops may be included, but these must be approved in advance by the coordinator of graduate advising.)

Successful completion of three written comprehensive exams approved by coordinator of graduate advising. Complete details are available in GSE Office.

MAT IN READING (33-34)

Program Coordinator: Les Francis

This program is designed to prepare reading teachers and reading consultants for their respective roles in education.

Degree Requirements:

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	Core: Milestones in Education	3
ED 510	Foundations of Reading Instruction	3
ED 511	Diagnosis and Treatment of Reading Disabilities	3
ED 512	Organization, Administration of Reading Programs	3
ED 561	Tests and Measurements	3
ED 514*	Clinical Practicum in Reading	1
ED 515*	Supervision in Reading Practicum	2

*To be taken simultaneously at end of program.

Two electives to be selected from the following:

ED 516	Methods of Using Children's Literature to Promote Literacy Growth	3
ED 517	Methods in Secondary Reading	2
ED 527E	Second-Language Acquisition	3
ED 565E/EL 565E	An Introduction to Language	3

Successful completion of three written comprehensive examinations, approved by coordinator of graduate advising.

NOTE: The Reading endorsement is also possible without completion of the master's degree. Check with certification specialist for details.

NOTE: When the Literacy Specialist endorsement is approved by the state, it will be incorporated into this degree.

MAT IN SPECIAL EDUCATION

(34)

Program Coordinator: Betty Malmstad

This program is designed to prepare teachers to be "generalists" in the knowledge and practice of special education. Categories of exceptional-ity covered are sensory handicaps, mental deviations, communication disorders, learning disabilities, behavioral disorders, physical disabilities and health impairments. It is designed to prepare teachers to understand inclusion (working with mainstreamed children in the regular classroom), as well as to work with special-needs learners in resource rooms or other settings.

Degree Requirements:

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	Core: Milestones in Education	3
ED 500A	Introduction to Exceptional Learners and Mainstreaming Concepts	3
ED 500B*	Special Ed: Assessment and Diagnosis	3
(*Prerequisite 500A)		
ED 500C*	Special Ed: Curriculum and Instruction	3
(*Prerequisite 500A)		
ED 500D*	Special Ed: Inclusion and Consultation	3
(*Prerequisites: ED 500A, B and C)		
ED 579	Special Ed: Practicum	3
(Minimum of 120 hours in supervised setting taken after completion of all coursework.)		
Two electives (6 semester credits) to be selected from the following:		
ED 507	Learning Disabilities	3
ED 530A	Intro to Early-Childhood Education	1
ED 530B	Early Childhood Education: Management Strategies	3
ED 540	Beginning Sign Language	4
ED 562H	Working with Conduct-Disordered Children	2
ED 573D	Behavior Disorders in Children	3
ED 591	Independent Study	1

NOTE: Special-Education endorsement is also possible without completion of the master's degree. Check with Certification Office for details.

Successful completion of three written comprehensive exams to be determined with coordinator of graduate advising. Comprehensive exam details are available in the GSE office.

NOTE: We are in the process of adding the Early-Childhood endorsement when it is approved by the State Board of Education.

MASTER OF ARTS IN PHYSICAL EDUCATION AND SPORT ADMINISTRATION

(34)

Program Coordinator: Daman Hagerott

ED 533	Curriculum and Development	3
ED 539	Educational Research	4
KIN 521	Sport and the Law	3
KIN 527	Seminar in History and Sociology of Sport	3
KIN 528	Seminar in Sport Psychology	3
KIN 532	Planning and Utilization of Sport Facilities	3
KIN 535	Organization and Administration of Sport	3
KIN 539	Technology in Sport	3
KIN 540	Practicum	3
BU 525	Seminar in Management	3
BU 574	Seminar in Business	3

(Practicum is for a minimum of 120 hours in a supervised setting taken after completion of all coursework.)

Successful completion of three written comprehensive exams determined with coordinator of graduate advising. Complete details are available in GSE Office.

Note: KIN 330, Adaptive Physical Education and Recreation, and KIN 345, Elementary Physical Education/Health Education:Curriculum and Methods, are required for Physical Education endorsement.

Academic Policies

Cancellation of Admission and Expulsion:

1. Students who do not take any courses leading to the completion of their master's degree in a three-year period will be placed on inactive status. This means that if they are readmitted, they will be responsible for any new college or program requirements.

2. Students may be suspended or expelled for violation of academic standards, plagiarism, misrepresentation of background information, violation of items listed on the moral character statement and/or failure to pay debts.

3. Subsequent readmission follows the procedures for new admission under the catalog requirements in effect at the time of reapplication.

4. Whitworth College reserves the right to withhold credit, transcripts and diplomas until all campus debts are settled.

5. Any appeals must be presented in writing to the director/chair, Department of Graduate Studies in Education, within three weeks of the incident being appealed. (See complete appeal process under Appeals section.)

Academic Standards:

1. Completion of a teacher education program is required for all master's degree and/or certification programs except MIT, M.Ed. Guidance and Counseling (School Certified or Social Agency/Church Setting), M.Ed. in Administration (General) and MAT in TESL (non-school certification option).

NOTE: See additional B.A. degree requirements for the ESL program.

2. A minimum of 33 semester credits in approved courses, following a signed degree plan, is required for all master's degrees. This is in addition to any required prerequisites.

3. Six semester credits (or nine quarter credits) of approved graduate credit may be transferred from other colleges or universities for degree purposes. Workshops, correspondence courses, seminars, video courses, or independent studies may not be transferred in from another college or university; nor may a course in which a grade of "C" or lower or a grade of "Pass" was assigned.

4. Master's degree and certification candidates must achieve a cumulative grade point average of at least 3.00 on a 4.00 scale for all courses taken as part of an approved graduate degree. All master's degree programs require satisfactory completion of three written comprehensive exams (except M.Ed. in Guidance and Counseling [School Certified], and M.Ed. in School Administration, which have their own designated comprehensive exams). The GSE Office has a listing of all courses in which comprehensive exams are available.

5. Prior to recommendation for Washington state certification as an ESA school counselor, candidates must pass the state-required written ESA comprehensive exam as well as a review board where skills are demonstrated. Social agency counselors take the Washing-

ton state licensing exam. Individuals make arrangements for this licensing exam directly through the state office. School administrators take the written comprehensive exam for administrators.

6. No credit toward a master's degree or certification program will be allowed for a course in which the student receives a grade of C- or below. Courses in which a grade of C- or lower is earned, if required for the degree or certification program, must be repeated. Following any term in which a student's grade point average is below 3.0, the student will be placed on academic probation. The student will be dismissed from the graduate program if three grades of C+, C or C- or lower are accumulated, or if it is necessary for the student to be placed on academic probation more than twice.

7. "Incompletes" are given only for emergency situations. Student and instructor sign a statement indicating reason for an "Incomplete" and file this with the registrar. The "Incomplete" must be removed within six weeks following the end of the term in which student enrolled.

8. An "In-Progress" (I/P) is given only for practicums, internships and research projects. "In-Progress" grades must be removed within six months of issuance. If not, the student must re-enroll and pay tuition again for the course.

9. All credits toward a graduate degree must be within a six-year deadline at the time of program completion. An analysis of coursework is made. In some cases, older courses need not be retaken but additional coursework must be substituted. This is determined on an individual basis where specific recency may not be as relevant.

10. A 6-semester-credit course load qualifies a student as full time during each term (fall, spring, summer). Nine semester credits represent an overload; this is not encouraged. Approval must be obtained from the coordinator of graduate advising for an overload. The student's signature is obtained on an overload statement. Persons working full time are strongly encouraged not to exceed six semester credits per term.

Appeals:

Student grade appeal procedure: The order of appeal for students who feel they have been unfairly graded is as follows:

- a) the instructor of the course;
- b) the director/chair of the Department of Graduate Studies in Education;
- c) the dean of the School of Education;
- d) the vice president for Academic Affairs (or designee).

Appeals for Other Issues:

Discuss first with the coordinator of graduate advising. Then the right of appeal is available to all students in this order:

- a) director/chair, Department of Graduate Studies in Education;
- b) committee composed of the dean at the School of Education, the director/chair of the Department of Graduate Studies in Educa-

tion, and representatives of the School of Education;

c) vice president for Academic Affairs or associate dean, dean of the School of Education, director/chair of the Department of Graduate Studies in Education, member of Professional Education Advisory Board, and advocate designated by student, if desired.

In cases where certification is refused, the student may also appeal to the appropriate Professional Education Advisory Board, Office of the Superintendent of Public Instruction, and State Board of Education.

All appeals must be presented in writing first to director/chair, Department of Graduate Studies in Education, within three weeks of the incident being appealed.

General Guidelines

1. Full admission to a graduate program includes:
 - a) taking GRE and completing any refresher coursework in English or math if GRE scores are below the 25th percentile in verbal and/or quantitative sections;
 - b) completing any education course prerequisites;
 - c) a letter of admittance to the program;
 - d) signing of degree plan.
2. You are encouraged to meet with the coordinator of graduate advising each semester to confirm that all requirements for your degree and/or certification program are being met.
3. After completion of 18 semester credits, make arrangements with the GSE Office to begin taking the three required written comprehensive exams as determined with the GSE advisor and written on the individual degree plan.
4. Students in the certification program for school counselors take the state-required written ESA comprehensive exam during the practicum and are also required to pass a review board. Administrators take the written exam for school administrators during the internship.
5. All GSE students register and pay for courses each semester in the GSE Office, Dixon Hall, Room 212. Enrollment in a course that is not approved for a specific program is considered as "enrichment" only and does not count toward a graduate degree or certification program.
6. All students enrolling in practicums, internships or research projects must have approval in advance from the coordinator of graduate advising and must register in the GSE Office.
7. Regular written comprehensive exams are scheduled for the second Saturday of each month from 9-11 a.m. Registration is required one week in advance in the GSE Office. The state-required written comprehensive exam for school counselors and the written comprehensive exam for administrators are offered three times per year. Dates for the full year are posted on the GSE bulletin boards.

GRADUATE STUDIES IN EDUCATION COURSES:

ED 500 ACTION RESEARCH PROJECT: DISTRICT LEVEL (3)

This course is required for continuing-level principal certification. An area of need in the school is explored and, with school district approval, the candidate researches the specific area and provides the district with a report consisting of conclusions and recommendations. Fall, spring and summer terms.

ED 500A SPECIAL EDUCATION: INTRODUCTION TO EXCEPTIONAL LEARNERS AND MAINSTREAMING CONCEPTS (3)

Students will learn the basic knowledge and skills necessary to recognize and provide for the special needs of children in educational settings. Students will be able to recognize individual differences and appropriately design and/or modify the regular classroom learning environments and experiences in response to those individual differences. Fall, spring and summer terms.

ED 500B SPECIAL EDUCATION: ASSESSMENT AND DIAGNOSIS (3)

This course will provide an understanding of the structure of the assessment process, including the technical aspects of administering, scoring and interpreting formal tests and designing and using informal techniques. In addition, it will provide actual experience in administering various assessment instruments available to the special-education teacher. Prerequisite: ED 500A Section E/ED 365 Section N. Fall and spring semesters.

ED 500C SPECIAL EDUCATION: CURRICULUM AND INSTRUCTION (3)

This course will introduce regular and special-education classroom teachers to materials, resources and techniques for working with students having deficiencies in the categories of mental retardation, learning disorders and auditory and visual impairments. The main emphasis will be on ways in which the exceptional child is like other children rather than different, thus providing a common base from which individualization can emerge. Prerequisite: ED500A Section E/ED 365W Section N. Fall and spring semesters.

ED 500D SPECIAL EDUCATION: INCLUSION AND CONSULTATION (3)

Students will learn to become consultants to teachers in inclusive classrooms. A large portion of class time will be experiential, to gain and practice necessary skills such as presenting in-services and current technology for use with special-needs learners. Prerequisites: ED 500A Section E/365 Section N, ED 500B Section E/467 Section N, and ED 500C Section E/468 Section N. Limit: 30 students. Spring and fall semesters.

ED 500E CREATIVITY IN THE CLASSROOM (3)

For elementary and secondary teachers and parents interested in pursuing the topic of creativity. Characteristics, testing tools, and activities that enhance creativity in students. The goal: to enable teachers and parents to develop more fully the creative potential in their children. Fall semester, even years.

ED 500F UNDERSTANDING SEXUAL, PHYSICAL AND EMOTIONAL ABUSE (2)

This class gives the student a basic understanding of abuse, neglect, emotional abuse and sexual abuse of children. Legal issues of child abuse/neglect are presented, along with an evaluation of the nature of bonding in abusive families. This course presents the treatment process from the perspective of personality theory, systems theory and casework management. Meets state WAC requirements for coursework in abuse. Spring semester.

ED 500G DEALING WITH GRIEF AND LOSS (2)

A significant portion of time is spent by therapists, counselors, pastors, administrators and teachers in dealing with grief associated with loss due to divorce, moves, deaths, separations and other losses. Certain therapies are more effective in dealing with loss than others. The focus of this course is to teach effective techniques to use with individuals dealing with grief in their lives. January Term, odd years.

ED 501 COUNSELING THEORIES AND PSYCHOLOGICAL FOUNDATIONS (3)

This is a course designed to promote the understanding and development of a consistent personal counseling theory and to relate this theory to several established psychological and counseling models. Fall and summer semesters.

ED 503E CAREER EDUCATION AND REFERRAL INFORMATION (3)

This course covers educational and career decision-making experiences, developing school guidance plans based on needs assessments, providing staff development and supervision, and referral resources and processes. Spring semester.

ED 504D PEER REVIEW (1)

This is a state-required course for school counselors to demonstrate their respective knowledge and skills while employed in that role, prior to being recommended for continuing ESA certification. Fall, spring and summer terms.

ED 506C PRACTICUM: TEACHING ENGLISH AS A SECOND LANGUAGE (4)

The last course in a graduate student's ESL program, the practicum is for a minimum of 160 hours in a setting approved in advance by the coordinator of graduate advising. An on-site supervisor and Whitworth College supervisor work with the student during the practicum, verifying that appropriate skills are demonstrated. Grade is Pass/No Credit. Fall, spring and summer terms on a limited basis.

ED 507 METHODS OF TEACHING CHILDREN WITH LEARNING DISABILITIES (3)

This course covers the basic knowledge and skills necessary to recognize and provide effectively for the special needs of learning-disabled individuals, including children, adolescents and adults. Theoretical approaches, assessment procedures, and familiarity with teaching strategies and materials are covered. Fall semester.

ED 508B PROJECT READ: PHONOLOGY (2)

Project Read is based on a systematic, multi-sensory model delivered through direct instruction for teaching reading. It supplements a whole language approach. The phonology component is designed to teach the basic sound-symbol relationships of language to first- through third-graders. It is also appropriate for at-risk or learning-disabled students. Summer term.

ED 509E/TA373 CREATIVE DRAMA IN THE CLASSROOM (3)

Creative dramatics is a group experience in which every child is guided to self-expression. There are no scripts, no technical aids, and no audience. Learn this technique that combines storytelling, improvisation and pantomime to create extemporaneous drama in the classroom. This is an especially beneficial course for anyone working with elementary-age children. Summer term, alternating.

ED509F/TA320 THEATER GAMES FOR THE CLASSROOM (3)

Theater games go beyond the theatrical to nurture skills and attitudes that are useful in every aspect of learning and life. Whether at the secondary or elementary level, a teacher can always do more to engage students in the learning process. In this course, students will reflect on current theory and review current research to discover how improvisational theater games dynamically involve students in the learning process. Students will learn creative exercises and how to coach them and use them across the curriculum in the classroom. Summer term, alternating.

ED 510 METHODS OF TEACHING READING (3)

This course is a study of the reading process and examination of currently used approaches in reading instruction. Individual and group evaluative techniques and instruments are covered. Also listed as ED 387. Summer term.

ED 510A ORIENTATION TO SCHOOLS (2)

(Credit is used to fulfill education background requirement only and is not counted toward the master's degree.) This field experience of 100 hours minimum in a school is required for non-teachers prior to receiving initial ESA certification. A Whitworth College supervisor is assigned. It is done simultaneously with the school practicum. Grade is P/NC. Summer. Fall and spring semesters.

ED 511 DIAGNOSIS AND TREATMENT OF READING DISABILITIES (3)

Identification of reading problems, study of diagnostic instruments and remedial procedures used in group and individual situations, and causes and types of reading retardation are covered in this course. Experience is gained in administering and interpreting standardized and informal tests. Fall semester.

ED 511D TREATMENT OF DSM IV DISORDERS (1)

This class is designed to help the counselor evaluate the strengths and weaknesses of specific therapies in treating the different diagnostic categories. Time will be spent on differential diagnosis and the treatment implications. Prerequisite: ED 585F.

ED 512 ORGANIZATION AND ADMINISTRATION OF READING PROGRAMS (3)

This course covers development, supervision and administration of a district-wide reading program (including policies and procedures related to textbook adoption), in-service, student placement, grouping, testing and coordination of programs. Spring semester.

ED 514 CLINICAL PRACTICUM IN READING (1)

This is a field experience with various remedial reading program designs and analysis and assessment of a district-wide reading program. Taken simultaneously with ED 515. Grade is Pass/No Credit. Fall and spring semesters.

ED 515 SUPERVISION IN READING PRACTICUM (2)

This field experience covers various remedial reading program designs, and analysis and assessment of a district-wide reading program. This course is taken after completion of reading coursework and requires advance approval from the GSE advisor. Taken simultaneously with ED 514 for a Pass/No Credit grade. Fall and spring semesters.

ED 516 METHODS OF USING CHILDREN'S LITERATURE TO PROMOTE LITERACY GROWTH (3)

This course is a preparation for bringing children and literature materials together, highlighting a large variety of means by which books can be introduced to children individually and in groups. The focus is on children's developmental needs that can be met with literature experiences, on trends in reading and children's books, and on current issues in connecting literature and children. Summer term.

ED 517 READING IN THE SECONDARY SCHOOL (2)

This course covers the development and implementation of classroom reading programs for middle and secondary students. Emphasis is placed on the reading needs and interests of adolescents and on techniques appropriate for extending their comprehension of written information. January, spring and summer terms.

ED 523 SUPERVISION AND HUMAN RELATIONS (3)

This course is designed to help potential supervisors develop a framework of beneficial human relations outlooks and skills; provide opportunity to study interactive relationships between teaching and supervisory behavior systems; identify concepts and research findings relevant to varying styles of supervision; and examine characteristics of supervision. Spring semester.

ED 525 ORGANIZATION AND ADMINISTRATION OF PUBLIC SCHOOLS (3)

This course covers theoretical and actual applications of administrative policy, personal examples of organizational structures, the study of various pressure groups that influence the decision-making process, and the latest information on technology in the schools. Summer term.

ED 526 THE COUNSELING PROCESS (3)

Students learn how to apply various theories of counseling to the counseling interview and how to develop skills and techniques used in counseling. Laboratory experience. Prerequisite: ED 501 and admission to GSE guidance and counseling program (15-student limit). Fall, spring and summer terms.

ED 526E ESL CURRICULUM DESIGN AND TESTING (3)

In this course students will learn how to design appropriate curricula for various skills and levels of second-language teaching. Students will study testing principles and design tests to evaluate language skills. (Prerequisite: ESL teaching experience or two ESL classes.) Spring semester.

ED 527E SECOND-LANGUAGE ACQUISITION (3)

In this course students will gain knowledge about how people acquire first and second languages; students will also analyze the language-acquisition process. Fall semester.

ED 530A SPECIAL EDUCATION: INTRODUCTION TO EARLY-CHILDHOOD EDUCATION (1)

This course will examine the components of early-childhood education by looking at developmental stages, curriculum integration/design, effective practices and strategies and the teacher's role, using the backdrop of model programs and research conclusions. January Term.

ED 530 B EARLY CHILDHOOD EDUCATION: MANAGEMENT STRATEGIES (3)

Students will learn strategies for environmental design and management of physical space, equipment and materials to maximize opportunities for early childhood learning. Summer and fall terms.

ED 531 ADVANCED EDUCATIONAL PSYCHOLOGY (3)

This is a systematic survey of the field of educational psychology for information and principles of practical value to teachers and administrators in the total public school program. The development of personality through counseling and guidance is discussed. Fall, spring and summer terms.

ED 531A AGGRESSION-REPLACEMENT TRAINING (1)

Teachers, counselors and social workers frequently encounter individuals who are prone to outbursts of temper and aggression. These individuals create a great deal of difficulty for both professionals and colleagues. Neither disciplinary nor reinforcement techniques seem to be effective in modifying their outbursts. Research shows that when aggressive people are taught the techniques presented in this course, the frequency and intensity of their aggression is significantly reduced. Summer term.

ED 533 CURRICULUM DEVELOPMENT (3)

Learn how curriculum may be systematically designed, developed and implemented. The intent is to describe practical procedures of educational leaders having responsibility for the planning and operation of instructional programs, and to survey the content of the K-12 curriculum. Fall and summer terms.

ED 539 EDUCATIONAL RESEARCH (4)

This course examines the means of developing new knowledge in education, the development of basic research skills, and the evaluation of current educational research. An individual research paper is required. This also includes computer lab time and development of the research paper. Limit: 25 students. Math and English reviews, if required, must be completed before taking this class. Spring and summer terms.

ED 539A RESEARCH FOR COUNSELORS (4)

This course covers content similar to ED 539, Educational Research, but is oriented specifically to the field of counseling. Only individuals admitted to a master's degree program in guidance and counseling may take this course. Limit: 25 students. Math and English reviews, if required, must be completed before taking this class. Fall and spring semesters.

ED 540 INTRODUCTION TO SIGN LANGUAGE AND THE DEAF (4)

This is a study of the language acquisition of hearing-impaired persons. Different methodologies are covered for teaching those with hearing impairments. History of sign language and the state of the art, as well as receptive and expressive finger-spelling and sign language skills, are covered. American Sign Language is used to facilitate communication with hearing-impaired persons. Summer term.

ED 542 CONTEMPORARY AND LEGAL ISSUES IN COUNSELING (3)

This course will have guest speakers with expertise in issues facing counselors. Some of the topics included will be counselor ethics, drugs and alcohol, abuse, suicide, AIDS, youth pregnancy and a panel of counselors discussing current issues with a school attorney. Required for school counselors. Recommended for principals and teachers. Fall semester.

ED 546 LEGAL AND POLICY FOUNDATIONS (3)

Students who complete the requirements of this course will develop a heightened sensitivity and awareness of the important role legal requirements play in administering today's school programs successfully. Emphasis will be placed on realistic situations that have direct relevance to educational leaders in Washington and Idaho. Fall semester.

ED 548 PUBLIC SCHOOL/COMMUNITY RELATIONS (2)

This is a study of public relations techniques and effective personal communication. Also, the relationship between the school, community, parents, teachers and students will be explored, along with means by which teachers and administrators can build positive attitudes toward schools. Summer term.

ED 550 COUNSELING PRACTICUM FOR SOCIAL AGENCY/CHURCH SETTING (6)

This is a competency-based practicum. It involves a minimum of 360 hours (plus 40 observation hours) in a setting approved in advance by the coordinator of graduate advising. An on-site supervisor and Whitworth College supervisor work with the student for the duration of the practicum, seeing that appropriate skills are demonstrated. Grade is Pass/No Credit. Prerequisite: All coursework in program, fingerprint check. Fall, January, spring and summer terms.

NOTE: This practicum is in the process of being revised.

ED 550A AND ED 550B COUNSELING PRACTICUM FOR INITIAL ESA, P-12 SCHOOL COUNSELOR CERTIFICATION (3 each)

This is the culminating experience in the program for a master's degree and certification in guidance and counseling. It is a competency-based program in a school setting with sign-offs as skills are evidenced. On-site and college supervision. Requires advance Counselor Professional Education Advisory Board (PEAB) screening and approval as well as school district advance approval. Grade is Pass/No Credit. Prerequisite: Fingerprint check. Fall and spring semester.

NOTE: This practicum is currently being revised.

ED 551 CORE: MILESTONES IN EDUCATION (3)

A survey of the history of Western education, with particular attention to the linkages between education and Christianity and with the liberal arts tradition. Current philosophical issues confronting education are reviewed against their historical and intellectual backgrounds. This is an interdisciplinary course. Fall and spring semester.

ED 558 CONSULTATION SEMINAR (1)

Consulting by administrators, teachers, parents, pupils, personnel specialists and other significant adults in the life of a client, as well as information on how to use resources more effectively, are covered. Also included are indirect services in which the specialist works as a consultant with the consultor. This course is required for initial ESA certification and is taken simultaneously with the school guidance and counseling practicum. Fall semester.

ED 560 PUBLIC SCHOOL FINANCE (2)

In this course, students examine the financial dimensions of public school administration. Issues examined include budget development and management; the role of state, local and federal agencies in school finance issues; collective bargaining; personnel; accountability; the special levy system; accounting procedures; purchasing; and risk management. Summer term.

ED 561 TESTS AND MEASUREMENTS (3)

This course covers an analysis of individual and group tests and their application to pupil progress. Time will be given to problems encountered in constructing tests. Fall and summer terms.

ED 562H WORKING WITH CONDUCT-DISORDERED CHILDREN (2)

This course covers learning how to recognize, understand and treat children with conduct disorders. A practical systems approach methodology is presented. Methods of self-care to help the professional deal with the frustrations inspired by these children is also covered. For teachers, counselors, administrators and interested others. Spring semester.

ED 563D WORKING WITH SEXUALLY ABUSED CHILDREN AND FAMILIES (2)

Specific areas covered include counseling victims of child abuse; art therapy techniques utilized for abuse victims; play therapy for children suffering from depression, anxiety and somatic complaints, and teaching children relaxation exercises; counseling techniques related to working with dysfunctional families; detecting child abuse and following through with appropriate interventions; detecting childhood depression, and counseling with depressed children and their families. This course meets the state WAC abuse requirement. Summer and fall terms.

ED 564C PRACTICUM, GENERAL (3)

Approval of GSE advisor required. Minimum of 120 hours of supervised practicum. Practicum proposal form must be completed for registration. Log required also. Grade is Pass/No Credit. Fall, spring and summer terms.

ED 564H METHODS OF TEACHING LANGUAGES (3)

This course explores the methods and materials appropriate for teaching modern languages and English as a second language. (Prerequisite: ED 527E and one additional ESL class.) Spring semester.

ED 565 INTRODUCTION TO GROUP COUNSELING (3)

Group counseling models, with an emphasis on processes such as leadership styles, group techniques, group composition and size, ethical/legal issues, communication skills and applications of current research findings, are covered. Prerequisites: ED 501, ED 526, and full admission to GSE guidance and counseling program. Limit: 15 students. Fall, spring and summer terms.

ED 565E AN INTRODUCTION TO LANGUAGE (3)

This course is a basic study of language — how it works, how it changes, and difficulties faced by those who study it. The primary focus is on the English language, both as it is presently spoken and as it may have been spoken in the past. However, the principles of language are universal and other languages are used as points of comparison. The course is beneficial for any speaker, but especially for those who teach language in any form. Fall semester.

ED 566 GROUP PROCESS (3)

This is an experiential course for the study of individuals interacting in a group. It presents an opportunity to be a group member, observe the role of a group leader, experience group process and dynamics, learn about one's own behavior in a group, and observe interpersonal relationships among group members. Also includes integration of experiential and intellectual processes. Prerequisites: ED 501, 526, 565, and full admission to GSE guidance and counseling program. Limit: 15 students. Fall, spring and summer terms.

ED/EL 566I LANGUAGE ACQUISITION (3)

Course goals: to investigate the development of the spoken and written language, and to apply knowledge of literacy development to classroom activities. Includes research project exploring language development of one or two children. For teachers of language skills, K-12, or ESL. (Note to students in the ESL program: This course does not substitute for ED 527E Section E, Second-Language Acquisition, offered fall term.) Spring semester.

ED 569G GRADUATE RESEARCH PROJECT (3)

The research project involves 120 hours minimum researching specific material and designing an appropriate program to use with a specific group of students. The research project proposal must be approved by the director/chair of GSE and the supervisor/instructor before the student begins the project. A Whitworth College supervisor is assigned to work with the student in designing the project and assists as needed for the duration of the project. This is the final course in a student's M.Ed. in Elementary or Secondary Education program. Prerequisite: satisfactory completion of ED 539, Educational Research. Research projects receive a letter grade. Fall, spring and summer terms.

ED 571B MARRIAGE/FAMILY COUNSELING (3)

This course provides intermediate and advanced counseling professionals with basic preparation in the field of marriage and family counseling. Particular emphasis is placed upon conjoint marriage counseling techniques. Summer term.

ED 571D or EL 500B TEACHING WRITING (3)

In a variety of formats, this course explores philosophies, criticism, possibilities and methods of teaching writing. Class is geared to individuals who teach at any level. Summer term.

ED 573A TEACHING FOR INDEPENDENCE AND RESPONSIBILITY (2)

Development of a positive self-concept as a basis for subsequent achievement in school and career is covered. Also, identification of learning styles is included. Course covers practical methods of teaching and content organization that address the learning styles of individual students and assist in the development of the student's self-concept. Summer term.

ED 573D BEHAVIOR DISORDERS IN CHILDREN (3)

Using the state definition of a behavior disorder, this course explores various levels of severity of each disorder. Includes study of symptoms and solutions and methods to distinguish between situational problems and true disorders. Summer term.

ED 576 STRATEGIES FOR CHALLENGING BRIGHT STUDENTS (3)

Characteristics, identification, special problems and program models for the gifted and talented are studied, as are student-created curriculum materials appropriate for specific grade and/or subject area. Spring semester, odd years.

ED 579 PRACTICUM: SPECIAL EDUCATION (3)

The special-education practicum involves a minimum of 120 hours in a setting approved in advance by the GSE advisor. An on-site supervisor and Whitworth College supervisor work with the student for the duration of the practicum, seeing that appropriate skills are demonstrated. Grade is Pass/No Credit. Fall, spring and summer terms.

ED 580 PROFESSIONAL COUNSELOR SEMINAR (1)

This course is for school counselors. It covers organizational patterns, professional development, special programs and services, staff development and developmental issues at alternative grade levels. This course is needed for initial ESA certification and is taken simultaneously with the practicum. Fall semester.

ED 581B TEACHING THE UNDERACHIEVER (2)

This course addresses the most current research and activities that work effectively with difficult students, and provides participants with successful techniques to diagnose, prescribe and communicate concerns and needs to parents.

ED 582F YOUTH SUICIDE (2)

This course is designed to evaluate the etiology of youth suicide. A basic knowledge of suicidal behavior is developed, including risk factors and levels of suicidality. Also included are effective treatment techniques and intervention skills including involuntary commitment laws and procedures. January Term, odd years.

ED 583F AT-RISK STUDENTS (2)

In this course, students learn what causes individuals to be "at-risk," and explore the skills and knowledge necessary to help these people be successful in school. Participants learn the basis for successful student retention programs by studying existing alternative programs and how these programs can be adapted to local conditions. Summer term.

ED 584 PRACTICUM: GIFTED AND TALENTED (3)

This practicum involves a minimum of 120 hours in a setting approved in advance by the Gifted & Talented director. An on-site supervisor and Whitworth College supervisor work with the student for the duration of the practicum, seeing that appropriate skills are demonstrated. Grade is Pass/No Credit. Fall and spring semester.

ED 585 ADMINISTRATIVE INTERNSHIP (3)

The internship provides an opportunity to participate in a wide range of activities that constitute the normal responsibilities of the elementary or secondary school principal. This is done under the direct supervision of a public school administrator and a Whitworth College supervisor. There are competency-based sign-offs as skills are evidenced. Internship includes opening and closing activities of the school year. Attendance at three Saturday seminars (fall/spring terms) is required. Required for initial administrator (P-9 or 4-12 principal) certification. Grade is Pass/No Credit. Student must take both fall and spring, three semester credits each time.

ED 585F CLINICAL ASSESSMENT AND DIAGNOSIS (2)

This course is designed to help counselors understand diagnostic criteria and systematic descriptions of various mental health disorders. Included are basic techniques of the mental status exam. Fall semester.

ED 591 CULTURAL ANTHROPOLOGY (INDEPENDENT STUDY) (3)

When possible, students attend class sessions of SO 200. In addition to conducting a systematic investigation of the nature of culture and a comparative study of cultures and people known to humankind at the present time, graduate students are required to write a comprehensive research paper at an advanced level. This involves consultation with the instructor as the research proposal is developed and approved. A major goal of the research paper is the development of a framework for understanding a constantly changing world system and solutions to world problems. Required for the MAT-ESL program. Fall semester, days.

ED 591A ENGLISH REVIEW (INDEPENDENT STUDY) (2)

Fulfills the English review requirement only, if necessary from GRE scores, and is not counted toward the master's degree program. This course, conducted as an independent study, strengthens already existing English skills and reacquaints the student with standard English practices that may have fallen into misuse. The value of this course is in its focus on practical writing skills, correct English grammar and standard rules of punctuation. Suggested methods of composition are reviewed. Fall, January, spring and summer terms.

ED 591B MATH/STATS REVIEW (2)

This independent-study-format course satisfies the GSE math review requirement. Satisfactory passing of a diagnostic math evaluation is a prerequisite for being able to take this course by seminar enrollment. Grade is Satisfactory/Non-Satisfactory. Fall, spring and summer terms.

ED 596 EDUCATIONAL PSYCHOLOGY OF THE GIFTED (3)

This course covers the psychology of gifted students and the practical implications of program development and program options for the gifted child. Fall semester, odd years.

ED 599 THESIS (3-6)

Thesis study is directed by a major advisor (chair) and two committee advisors. The thesis committee conducts the final oral examination. Approved copies, ready for binding, must be submitted to the Graduate Studies in Education Office one week before the end of the term in which the degree is anticipated. (Note: Advance approval is required from the coordinator of graduate advising to enroll in the thesis option. A letter grade is assigned upon completion.) Fall, spring and summer terms.

KIN 521 SPORT AND THE LAW (3)

The function of the legal system, as well as potential legal problems and possible solutions faced by those involved with sport and physical education. Emphasis will be placed on realistic situations that have direct relevance to physical education and athletics.

KIN 527 SEMINAR IN HISTORY AND SOCIOLOGY OF SPORT (3)

Exploration of the place of sport in early societies (Asian, Greek, Roman, etc.) as background for the emphasis on the development of American sports. Focus is on the people, institutions and events of historical and sociological significance in the sporting movement.

KIN 528 SEMINAR IN SPORTS PSYCHOLOGY (3)

Examination of the basic concepts and vocabulary of sports psychology, with current research in the field and with the scientific and theoretical framework of the discipline. Students are required to apply current research to practical coaching strategies.

KIN 532 PLANNING AND UTILIZATION OF SPORT FACILITIES (3)

A review, analysis and critical study of the principles, terminology and standards for planning, construction, use and maintenance of facilities for the various programs in physical education and sport.

KIN 535 ORGANIZATION AND ADMINISTRATION OF SPORT (3)

Development of a working understanding of accounting and budget management procedures. This course will also address design, structure, trends and problems in physical education and sport.

KIN 539 TECHNOLOGY IN SPORT (3)

The application of technology in physical education and sport, including applications in exercise science, sport management, coaching and teaching.

PE 540 PRACTICUM: PHYSICAL EDUCATION (3)

This practicum involves a minimum of 120 hours in a setting approved in advance by the GSE advisor. An on-site supervisor and a Whitworth College supervisor work with the student during the practicum, verifying that appropriate skills are demonstrated. A log is required. Grade is Pass/No Credit. Fall, spring and summer terms.

BU 525 SEMINAR IN MANAGEMENT (3)

The manager's role in planning for, organizing, implementing and controlling enterprise, as well as the disciplines of organizational behavior and development, leadership, motivation and interpersonal communications. Human resource management, including performance appraisals, training, compensation and benefits are also considered.

BU 574 SEMINAR IN BUSINESS (3)

Functions of sales, marketing, accounting and finance for both profit and nonprofit organizations. Specific areas of study will include advertising, promotion, publicity, public relations, community relations and media relations, as well as managerial accounting, information systems, fund raising, grant writing and banking relations.

MASTER IN TEACHING PROGRAM

FACULTY: David Cherry (Director), Peggy Johnsen, Barbara Sanders, Gordon Watanabe

Elementary Level — 57 Semester Credits

Secondary Level — 47 to 49 Semester Credits

Initiated in 1989, the Master in Teaching program at Whitworth College resulted from the Washington State Legislature calling for alternative teacher education and was the first such program in this state. Part of a nationwide movement to strengthen America's corps of teachers by putting successful members of society's work force into teaching positions, MIT programs provide schools with mature teachers who understand the demands of the real world and whose teaching reflects these realities.

Whitworth's Master in Teaching program shares those goals, but is also dedicated to developing reflective, flexible and creative teachers who can be leaders in restructuring schools in the future. To accomplish this, Whitworth's MIT program is an intensive, full-time preparation program involving a summer, an academic year and a summer (15 months). During this time, MIT candidates participate in a rigorous program involving approximately 57 semester credits (elementary) and 47-49 semester credits (secondary) of coursework, teacher-scholar practicum and research. This program is characterized by (1) integration of academic work with an ongoing field experience; (2) programmatic coherence both from course to course and from on-campus to field work; (3) systematic study of classroom practice; and (4) individual self-appraisal and renewal.

The Master in Teaching program has the following admission requirements:

1. desire to be a creative teacher and leader;
2. evidence of successful work with children or youth;
3. bachelor's degree in an approved endorsement area from a regionally accredited college or university;
4. grade point average of 3.00 for the last half of college, with provisional admission for a 2.70 grade point average;
5. completion of the Graduate Record Examination general test, verbal and quantitative sections;
6. positive recommendation from the interview committee;
7. completion of the admission process through the School of Education.

All admissions to the MIT Program are conditional. Full admission is granted upon successful completion of summer and fall coursework.

MIT COURSES

EDM 530A EDUCATIONAL FOUNDATIONS AND CRITICAL ISSUES (1)

Philosophical foundations of education, critical issues related to education, and the MIT candidate as a compassionate and ethical teacher-scholar. (Elementary and secondary.) Summer term I.

EDM 530B EDUCATIONAL FOUNDATIONS AND CRITICAL ISSUES (2)

Philosophical foundations of education, critical issues related to education, and the MIT candidate as a compassionate and ethical teacher-scholar. (Elementary and secondary.) Fall semester.

EDM 530C EDUCATIONAL FOUNDATIONS AND CRITICAL ISSUES (1)

Based on knowledge constructed through study and practice in the MIT program, this capstone course allows for reflection of the teacher-scholar's educational philosophy and vision, and of his or her best pedagogical practice. (Elementary and secondary.) Summer term II.

EDM 531 EXCEPTIONAL LEARNERS AND MAINSTREAMING CONCEPTS (3)

Overview of the full continuum of exceptional learners and strategies for meeting their needs in mainstreamed classrooms; instructional strategies for exceptionalities. (Elementary and secondary.) Summer term I.

EDM 532 ADVANCED EDUCATIONAL PSYCHOLOGY (2)

Improvement of learning and teaching effectiveness, including recent developments in human development (cognitive, social, emotional, moral), child growth and development, human learning (behavioral and cognitive) and teaching/instruction. (Elementary and secondary.) Fall semester.

EDM 533A RESEARCH: INTRODUCTION TO EDUCATIONAL RESEARCH (1)

Overview of educational research, providing a framework for analysis of current educational research literature, and research designs and types. (Elementary and secondary.) Summer term I.

EDM 533B RESEARCH: DESIGN (1)

Development of a qualitative and quantitative research plan for an action research project to be conducted during teacher-scholar practicum. Student completes a review of literature and determines methodology for use in the study. (Elementary and secondary.) Fall semester.

EDM 533C RESEARCH: DATA ANALYSIS (1)

Analysis of data, assistance in analyzing data from one's own study of practice as a classroom teacher; preparation for action research project. (Elementary and secondary.) Summer term II.

EDM 534 DEALING WITH ABUSE AND NEGLECT (1)

Categories, causes and indicators of child abuse and neglect, teachers' legal responsibilities, appropriate techniques. Grade is Satisfactory/Not Satisfactory. (Elementary and secondary.) Spring semester.

EDM 535 TECHNOLOGY IN EDUCATION (2)

The goal of this course is to prepare participants to teach with the technology found in today's schools. They will learn how to gain access to information and how to communicate using current technology, including the Internet and multimedia. They will also begin developing technological strategies that will be applied to other education courses in the field. (Elementary and secondary.) Summer term I.

EDM 536A INTRODUCTION TO MULTICULTURAL/INTERCULTURAL EDUCATION (2)

Examination of how attitudes, behaviors and values are shaped; the nature and use of power in society; one's own values; principles of effective multicultural education; cultural influences on learning; and intercultural communication skill training. (Elementary and secondary.) Fall semester.

EDM 536B FIELD EXPERIENCE IN MULTICULTURAL EDUCATION (3)

A field experience in teaching students from a culture other than one's own. (Elementary and secondary.) January term.

EDM 537 CLASSROOM MANAGEMENT (1)

Overview of current classroom management theories and strategies for use during teacher-scholar practicum. (Elementary and secondary.) Summer term I.

EDM 538 TEACHER-SCHOLAR SEMINAR (2)

On-campus seminars to guide professional development and prepare for job placement activity. (Elementary and secondary.) Spring semester.

EDM 539 ACTION RESEARCH PROJECT (3)

Completion of an action research project using data collected during a study of one's own instructional practice as a classroom teacher. A Whitworth research adviser assists as needed throughout the duration of the project. (Elementary and secondary.) Summer term II.

EDM 540 MATH FOR MIT (3)

Development of number systems, vocabulary and symbolism, current strategies in arithmetic, algebra and geometry. (Elementary.) Summer term I.

EDM 543 LANGUAGE LITERACY IN THE ELEMENTARY SCHOOL (4)

This course will examine processes, methods, approaches and materials for teaching reading and language skills. (Elementary.) Fall semester.

EDM 544 ELEMENTARY METHODS, CURRICULUM DEVELOPMENT, ASSESSMENT AND SOCIAL STUDIES METHODS (4)

In this course, students will learn how to do the following: (1) understand, apply and demonstrate the learning methods, strategies, assessment tools and needs of the elementary learner, including curriculum integration and unit and lesson planning and (2) investigate and analyze current trends in social studies curriculum in order to demonstrate knowledge of social studies methods and instruction in the elementary setting. (Elementary.) Fall semester.

EDM 545A ELEMENTARY ART METHODS (1)

This course places an emphasis on the art experience. The student will become aware of his/her own judgments and bias relating to art. The use of different media, integration of art into other content areas, and process/product will be studied. The student will become familiar with terminology and knowledge in various art programs. The student will learn how to teach art skills and concepts to elementary school children. (Elementary.) Summer term I.

EDM 545B ELEMENTARY MATHEMATICS METHODS (2)

The student will become familiar with various learning theories, teaching strategies and concepts, the remediation of students' math skills, and lesson design. The student learns how to know and apply the mathematical concepts. Most math programs go beyond arithmetic skills so students will learn the following: how to know and apply numbers and computation, measurement, geometry, probability and statistics and algebra; solve problems and explain solutions; how to reason logically; how to communicate mathematical ideas; and how to connect school mathematics to real-life situations. (Elementary.) Spring semester.

EDM 545C ELEMENTARY SCIENCE METHODS (2)

This science methods course involves students in science instruction, focusing on four instructional methods utilized in the elementary classroom: inquiry, integrated, thematic, and problem-based/applied. The goal of this course is two-fold: (1) to provide students with an overview of current methods and approaches to science instruction in the elementary classroom; and (2) to begin a resource collection of grade-level specific science content, activities, assessments, resources and references for use during the teacher-scholar practicum. (Elementary.) Spring semester.

EDM 545D ELEMENTARY MUSIC METHODS (1)

Curriculum and methods for teaching music in the elementary school. Procedures and materials for teaching music in the self-contained elementary classroom. (Elementary.) Summer term II.

EDM 545E ELEMENTARY PHYSICAL EDUCATION AND HEALTH EDUCATION METHODS (1)

Methods for teaching physical education and health education in the elementary school. Current methods and materials used in developing the elementary curriculum and in teaching the appropriate activities for each grade level. Class management, class discipline and directed teaching are practiced. (Elementary.) Summer term II.

EDM 547A ELEMENTARY TEACHER-SCHOLAR PRACTICUM (2)

This teaching experience in an elementary school classroom begins when the MIT student reports in late summer and then moves to half-time after MIT classes begin. Grade is Satisfactory/Not Satisfactory. (Elementary.) Fall semester.

EDM 547B ELEMENTARY TEACHER-SCHOLAR PRACTICUM (10)

Full-time student teaching in the assigned public classroom. Grade is Satisfactory/Not Satisfactory. (Elementary.) Spring semester.

EDM 547C ELEMENTARY TEACHING-SCHOLAR PRACTICUM (2)

Half-time student teaching in the assigned public school classroom from mid-May until the last week; full time during the last week. Grade is Satisfactory/Not Satisfactory. (Elementary.) Summer term II.

EDM 553 READING IN THE SECONDARY SCHOOL (2)

Practical approaches and effective teaching techniques for presenting reading assignments in the content areas will be presented and implemented. The focus of this course is to develop the abilities of teachers to enhance the secondary student's ability to "read to learn" rather than to "learn to read." (Secondary.) Fall semester.

EDM 554 SECONDARY GENERAL METHODS, CURRICULUM DEVELOPMENT AND ASSESSMENT (4)

Principles of planning; daily lesson planning; unit development; different instructional techniques; providing for individual differences; and assessment. (Secondary.) Fall semester.

EDM 555A SECONDARY ART METHODS (2)

EDM 555B SECONDARY ENGLISH/LANGUAGE ARTS METHODS (2)

EDM 555C SECONDARY FOREIGN LANGUAGE METHODS (2)

EDM 555D SECONDARY MATHEMATICS METHODS (2)

EDM 555E SECONDARY MUSIC METHODS (2)

EDM 555F SECONDARY PHYSICAL EDUCATION/HEALTH METHODS (2)

EDM 555G SECONDARY SCIENCE METHODS (2)

EDM 555H SECONDARY SOCIAL STUDIES METHODS (2)

Specific methods in certification and endorsement area(s). Each course is situated in the public school. (Secondary.) Spring semester.

EDM 557A SECONDARY TEACHER-SCHOLAR PRACTICUM (2)

A teaching experience that begins when the MIT student reports in late summer and then moves to half-time after MIT classes begin. Grade is Satisfactory/Not Satisfactory. (Secondary.) Fall semester.

EDM 557B SECONDARY TEACHER-SCHOLAR PRACTICUM (10)

Full-time student-teaching in the assigned public school classroom. Grade is Satisfactory/Not Satisfactory. (Secondary.) Spring semester.

EDM 557C SECONDARY TEACHER-SCHOLAR PRACTICUM (2)

Half-time student teaching in the assigned public school classroom from mid-May until the last week; fulltime during the last week. Grade is Satisfactory/Not Satisfactory. (Secondary.) Summer term I.

EDM 560 TOPICS IN STAFF DEVELOPMENT (3)

This course is designed for teachers serving as mentor-teachers in the MIT program. A topic is developed by the mentor-teacher with the approval of the building principal and MIT director. The approved project on a topic of value to the school provides the mentor-teacher with an opportunity to assist professionally in a very specific way, with a staff and/or curriculum development agenda that has been established by the school district or the specific school site. This project is carried out during the academic year and summer term II. Registration is processed during Summer term II. Summer term II.

EDM 591 MIT INDEPENDENT STUDY (1-3)

GRADUATE PROGRAM OF INTERNATIONAL MANAGEMENT FOR BUSINESS AND DEVELOPMENT

MASTER OF INTERNATIONAL MANAGEMENT DEGREE

FACULTY: Dan C. Sanford (Director), John A. Falvey, Richard Hergenrath, Richard E. Schatz

PROGRAM AND CURRICULAR FOCUS

The Graduate Program of International Management for Business and Development is a course of study leading to the master of international management degree. The program is designed for recent college graduates and professionals seeking advanced skills in global management. The MIM program was designed using the best ideas of many MBA programs but has tailored the curriculum to meet the needs of progressive organizations with global vision. This program design was created by assessment of profiles of various international companies with the guidance of MIM's regional and international advisory board of business and organizational leaders. There are five elements of the curriculum that make this program unique:

- a focus on cross-cultural competency as an essential skill for managers, both domestically and overseas;
- required practical knowledge of a foreign language with specialized business vocabulary;
- instruction that stresses the role of Christian ethics and other value systems that may guide managers in their motives and decision-making;
- internship and project opportunities that provide practical responses to area business needs and applications to international environments;
- culturally diverse students who form cohort groups through common periods of entrance into the program.

The MIM program balances practical competency with theoretical understanding. It maintains high academic standards while utilizing methodology suited to diverse learners. Throughout the instruction the program integrates the disciplines of social sciences, languages, management and technology. The program seeks to tailor portions of the curriculum to the individual student's career objectives.

SCHEDULE

A typical format for courses is a six-week period with instruction given two evenings during the week. Courses will run consecutively, with September being the usual start-up of each cohort class. Foreign language classes usually extend throughout each semester. Most students will be able to complete course requirements within a period of 15 months. The summer program typically consists of elective courses, a foreign language tutorial and projects or internships. The remaining semester of the program provides each student the opportunity to specialize further and to take capstone courses.

APPLICATION PROCEDURES AND ADMISSION CRITERIA

Admission decisions are related to the applicant's graduate examination score, undergraduate academic record, recommendations, prior experience, and approved English language test for students whose native language is not English.

The following guidelines apply:

1. Transfer courses from other graduate programs will be assessed carefully and, typically, only six semester credits or 10 quarter hours will be considered for transfer as a student enters the MIM program.

2. A TOEFL score of 550 is required for students who are not native speakers of English, unless a student has received a bachelor's degree from an accredited U.S. college or university. The TWE is a required part of the TOEFL scores that will be assessed.

3. All applicants must hold a bachelor's degree from an accredited or chartered college or university.

PREREQUISITES

The following undergraduate prerequisites are necessary:

- Principles of Microeconomics
- Principles of Macroeconomics
- Principles of Management
- One year of a foreign language

The following prerequisites are strongly recommended:

- Introduction to Finance
- Accounting
- Statistics
- Marketing
- International Relations
- Second year of a foreign language

Note: Prerequisites may be met through special intensive MIM workshops or may be challenged through examinations.

APPLICATION PROCEDURES

- Submit MIM Application for Admission.
- Submit the \$35 USD non-refundable application fee (please make checks payable to Whitworth College.)
- Submit an essay. One page (typed), stating your purpose for wanting to enter the MIM program. Please explain how this relates to your short-term and long-term goals.
- Submit two complete recommendation forms by persons who have worked closely with you and are familiar with your academic and/or professional background.
- Submit official transcripts from ALL colleges or universities you are now attending or have previously attended. These must be sent to the MIM office at Whitworth College directly from the college or university Registrar's Office.
- Submit official GRE or GMAT score reports sent directly to the MIM office at Whitworth College from the Educational Testing Service (ETS). To request GMAT scores contact GMAT, Educational Testing Service, Box 6103, Princeton, NJ 08541-6103. To request GRE scores contact GRE, Educational Testing Service, Box 6000, Princeton, NJ 08541-6000. The Whitworth College code is 4953.
- Submit a professional résumé that highlights your work experience, significant achievements and responsibilities.

Non-US citizens must also include:

- an official TOEFL score report sent directly to the MIM office at Whitworth College from the Educational Testing Service. To request your TOEFL score, contact TOEFL, Box 6153, Princeton, NJ 08541-6153 U.S.A. This is required from all non-native English speakers. For general information write to: TOEFL, Box 6151, Princeton, NJ 08541-6151 U.S.A.
- a detailed International Student Financial Statement form with the supporting verification documents. (Document(s) must show evidence of adequate available financial resources to attend the MIM program.)
- An affidavit of financial support is required from students whose financial resources are supplemented in part or in whole by someone other than themselves. Use INS form I-134.
- Non-degree participants must meet all of the requirements expected of degree candidates. Class enrollment is done on a space-available basis, giving priority to full degree participants. Note: International students unable to meet all of these entrance requirements are encouraged to consider application to Whitworth's post-baccalaureate program, a semester-long or one-year program designed to help students improve their English language skills. Completion of the post-baccalaureate program does not guarantee admission to graduate school.

MIM DEGREE REQUIREMENTS

(37)

CORE COURSES

(14)

IM 501	International Trade and Finance	3
IM 502	Management for a Global Market	3
IM 503	Political Environments for Business and Development	3
IM 504	Ethical Issues in International Management	2
IM 505	Comparative Organizational Behavior	3

Foreign Language

Foreign language instruction is offered in small groups focusing on business vocabulary. Entering students will take a foreign language placement test. Any of the three-credit language courses may be taken overseas. Special arrangements must be made in advance. Two tracks of foreign language study are offered. The minimal requirement is to complete two courses at the intermediate level and one at the advanced level. Students entering with advanced competency are required to take a minimum of one three-credit MIM foreign language class from Track 2, substituting other electives for the remaining six credits.

Foreign languages currently being offered include Japanese, Spanish, French, Chinese, Russian and German.

TRACK 1

IM 540	Intermediate Language for Managers I
IM 541	Intermediate Language for Managers II
IM 543	Advanced Language for Managers I

TRACK 2

IM 543	Advanced Language for Managers I
IM 544	Advanced Language for Managers II
IM 545	Advanced Language for Managers III

Non-native speakers of English will take an English-language placement exam upon entrance. If necessary, they will improve their English language skills through a required three-credit "Research Writing" class. In some cases, additional English language study may be recommended, although such coursework does not apply toward the MIM degree. For the remaining six credits, students may choose to study another language or take elective courses.

Internship and/or Final Project: (2)

IM 590	Internship
IM 598	Final Project

Electives: (9)

IM 506	Issues in Global Management
IM 512	Managing Technology in the Global Marketplace
IM 513	Economic Development
IM 516	Trade Procedures and Practices
IM 517	International Negotiation and Dispute Resolution
IM 520	International Marketing
IM 514	Survey of Accounting, Finance and Project Appraisal
IM 535	Advanced Applications

ACADEMIC STANDARDS

1. Graduate degree specialization must be built upon adequate undergraduate preparation.
2. Workshops, correspondence courses, video courses or independent studies may not be transferred in from another college or university. Only those courses graded with a "B" or better are eligible for transfer at the time a student enters the program. Transfer of coursework later in the program is not permissible unless study is conducted through existing exchange agreements with partner institutions.
3. Documentation of experience will be required of anyone seeking to substitute experience for prerequisites.
4. Admission to study is not a guarantee for receipt of degree. Degree recipients must achieve a cumulative grade point average of 3.00 on a 4.00 scale for all courses taken as part of the approved degree. Whitworth uses a plus/minus grading system.
5. No credit toward the degree will be allowed for a course in which the student receives a grade of "C" or lower. For any semester during which the student's graduate GPA falls below 3.00, the student is placed on academic probation. Students will be dismissed from the graduate program if three grades of "C" or lower are acquired or if they are placed on academic probation more than twice.
6. Incomplete grades are given only in emergency situations. The student and instructor sign a statement indicating the reason for an incomplete and file this with the Registrar's Office. The incomplete must be removed within six weeks following the end of the term in which the student enrolled.
7. An in-progress (IP) grade is given only for internships or projects. In-progress marks must be removed within six months of receiving the "IP" grade. If not, the student must re-enroll and pay tuition again for the course.
8. All degree requirements must be completed within six years.
9. To be considered full time, a student must complete at least six semester credits within the academic semester at the college. Scholarship recipients must enroll in a normal schedule of nine credits during each term, two during January, and eight during the summer.
10. A student may apply six semester credits of MIM coursework taken as a non-degree enrollee for completion of the degree. After completion of at least two courses with non-degree status, the student is encouraged to make formal application for degree standing.
11. A maximum of two courses or six semester units of independent study may be applied to fulfill the total credits required for the degree, but will only be approved in cases where recommended courses are not available.
12. Students are required to be in residence during the last semester before completion of credits.

GRADUATION PROCEDURES

Students must file an application for graduation in the MIM office to request that a degree audit be issued. This application is to be filed by January 1 of the year the student desires to graduate. Formal graduation takes place in mid-May.

All coursework and any comprehensive exams must be completed by the end of the term prior to the degree-posting date. Whitworth College has three posting dates each year: mid-August, January 31 and mid-May.

INTERNATIONAL MANAGEMENT COURSES

IM 501 INTERNATIONAL TRADE AND FINANCE (3)

Foundations of international trade and finance. Issues in commercial trade policies of the U.S. and its principal trading partners; trade in new technologies and services; international capital flows; role of international financial institutions; case studies in U.S.-Asian trade and finance relations, North American free trade zone.

IM 502 MANAGEMENT FOR A GLOBAL MARKET (3)

Principles of management in the international environment. Strategic planning and decision-making in such areas as international marketing. Concepts of organizational design, leadership and control.

IM 503 POLITICAL ENVIRONMENTS FOR BUSINESS AND DEVELOPMENT (3)

Introduction to important conceptual and practical approaches to political risk assessment. Studies of government policies affecting business investment and development. Examination of political institutions; patterns of government interaction with business, leadership and risk management.

IM 504 ETHICAL ISSUES IN INTERNATIONAL MANAGEMENT (2)

Ethical implications of practices in modern and traditional societies. Value issues relating to bribes, advertising and sales, quality control, environmental standards, employee benefits, personnel policy, gender and sexuality issues, community involvement and philanthropy, truthfulness, censorship and freedom of information.

IM 505 COMPARATIVE ORGANIZATIONAL BEHAVIOR (3)

Practical issues of management in foreign cultures, including study of Total Quality Management. Topics include leadership dynamics, group motivation and comparative management techniques based on the patterns of organizational behavior in different countries.

IM 506 ISSUES IN GLOBAL MANAGEMENT (3)

Selected topics critical to international business operations may include some of the following: cross-cultural communication, entrepreneurship, international business law.

IM 512 MANAGING TECHNOLOGY IN THE GLOBAL MARKETPLACE (3)

Study of principal new technologies being researched in our region and globally. Introduction to terms and definitions, research characteristics and transfer processes, manufacturing in new technology, feasibility, expertise and general scientific concepts needed for the manager to understand technology. Special emphasis on biotechnology, environmental needs, manufacturing design and human interface with technology in the workplace.

IM 513 ECONOMIC DEVELOPMENT (3)

Theory and comparative study of economic growth and development in Third-World countries; roles of government, private sector, non-government organizations and international agencies in economic development; practical training in project evaluation.

IM 514 SURVEY OF ACCOUNTING, FINANCE AND PROJECT APPRAISAL (3)

Overview of financial and accounting practices and issues; survey of the principles of financial analysis. Introduction to project planning and appraisal incorporating risk/reward and cost/benefit analysis. Applications in business, governmental and nonprofit environments.

IM 516 TRADE PROCEDURES AND PRACTICES (3)

This course covers various aspects of exporting and importing a product or service. Students will gain a working knowledge of terms and techniques essential to the export/import process. Topics include marketing, organization, regulations, terms of access, documentation, shipment and financing involved with the international movement of goods and services.

IM 517 INTERNATIONAL NEGOTIATION AND DISPUTE RESOLUTION (3)

The pace of the international business environment spurs organizations to contain litigation costs through the use of improved communication techniques and alternative dispute resolution methods. This course examines the use of these management tools and undertakes training in their use through classroom simulation.

IM 520 INTERNATIONAL MARKETING (3)

Managerial marketing concepts applied in industrialized countries. Global marketing activities related to both strategic and tactical solutions. Options range from agents to direct foreign investment. Consideration of initial entry phase to expansion and global rationalization for both large and small entities. Characteristics, trends, opportunities, market research, planning and control issues. Interaction through market/product analysis projects and case studies.

IM 535 ADVANCED APPLICATIONS (3)

A capstone course in which students apply previous coursework to develop a feasibility study for overseas operations or programs whether they are profit- or nonprofit-oriented. Emphasis on practical skills and abilities for management employment.

IM 590 INTERNSHIP (2)

Overseas or local internships are arranged through MIM advisors and/or institute director. Internship includes final written report that reviews learning and research conducted during the internship and integrates previous coursework into final summary.

IM 598 FINAL PROJECT (2)

Market research or similar project approved by graduate advisor. Project may relate to SIRT product development and should incorporate previous graduate coursework. A final presentation is required.

IM 540-545 FOREIGN LANGUAGES: JAPANESE, SPANISH, FRENCH, CHINESE, RUSSIAN, GERMAN (9)

Specialized language courses give attention to business and professional vocabulary and emphasize speaking, listening, reading and writing skills. Tasks include talking on the telephone, completing forms, and writing memos and business letters. Placement test determines language level and section number. Most students will take three of the following:

- IM 540 Intermediate Language for Managers I
- IM 541 Intermediate Language for Managers II
- IM 543 Advanced Language for Managers I
- IM 544 Advanced Language for Managers II
- IM 545 Advanced Language for Managers III

MASTER OF NURSING PROGRAM

Students are admitted to the graduate school or program of the sponsoring institution from which they wish to receive their degree (Eastern Washington University, Washington State University or Whitworth College), as well as to the graduate program of the ICNE. By interinstitutional agreement, the three sponsoring institutions charge the same tuition and fee rate for students in the ICNE Master of Nursing program. Supporting non-nursing courses may be taken at any one of the sponsoring institutions.

Criteria for Admission:

1. a bachelor's degree in nursing from an NLN-accredited program;
2. minimum 3.00 GPA in undergraduate work (exceptions may be made based on substantial evidence of extra scholastic qualifications);
3. history-taking and physical assessment skills (within past two years for FNP applicants);
4. successful completion of a basic statistics course;
5. favorable recommendations regarding practice and potential for graduate work in nursing;
6. eligibility for licensure to practice nursing in Washington;
7. written goal statement congruent with the program's philosophy and focus;
8. clearance from the Washington State Patrol;
9. two years successful nursing practice (for FNP applicants);
10. satisfactory completion of written interview (for FNP applicants).

While not an admission criterion, word-processing computer skills have been found advantageous by entering students. Due to heavy writing assignments that must be computer-generated, the acquisition of computer skills before entering the program is strongly advised. WordPerfect is supported by the ICNE computer lab and is preferred by most faculty members. Computers at the ICNE are either IBM or IBM-compatible.

The ICNE now requires that persons admitted to the graduate program have been immunized for hepatitis B prior to registration in any course, including a practicum. Please send verification that you have been immunized with the series of doses required.

Admission Procedures:

1. Prospective students must obtain and complete application forms from the ICNE Graduate Program Office and the Continuing Studies Office at Whitworth College.
2. The application to the ICNE Master of Nursing program must be completed and returned to the Graduate Program Office at the ICNE. The Whitworth College graduate application must be completed and returned with the application fee to Continuing Studies, Whitworth College.
3. Transcripts of all baccalaureate and post-baccalaureate coursework must be sent to both the Graduate Program Office of the ICNE and the Continuing Studies Office, Whitworth College.
4. Recommendation forms must be completed by three persons who are familiar with the applicant's potential for nursing leadership and academic success; these forms must be sent to the ICNE Graduate Program Office.
5. An individual resume must be sent to Continuing Studies, Whitworth College.
6. The written interview is to be sent to the graduate office, ICNE (FNP applicants).

Requirements for the Master of Nursing Degree

Required Core Courses

NU 503*	Theoretical Perspectives in Nursing	3	(9)
NU 504	Methods of Nursing Research	4	
NU 507	Health Policy Analysis	2	

II. Courses for each area of concentration

A. Community Health Nursing

(39)

Required Core Courses	9	
NU 551	Advanced Community Health Nursing: Concepts and Issues	3
NU 552	Family Nursing in the Community	2-4
NU 554	Epidemiological Approaches to Community Health ..	3
NU 556	Advanced Community Health Nursing Practice	3-4
NU 564	Health Promotion	2-3
NU 566	Community Analysis and Program Planning	3-4
NU 700	Thesis	6
Support courses to total 39 semester credits	3-8	

B. Acute Care

(42)

Required Core Courses	9	
NU 537	Role Analysis: Clinical Nurse Specialist/Family Nurse Practitioner	2
NU 539	Clinical Nurse Specialist Practicum	4
NU 562	Health Assessment and Differential Diagnosis	4
NU 563	Advanced Pharmacology	3
NU 576	Advanced Concepts in Nursing	2
NU 581	Advanced Pathophysiology I	4
NU 582	Advanced Pathophysiology II	3
NU 595	Internship	5
NU 700	Thesis	6

C. Psychiatric/Mental Health Nursing (39)

Required Core Courses	9
NU 541 Psychiatric/Mental Health Nursing: Individual	4
NU 543 Psychiatric/Mental Health Nursing: Groups and Families	4
NU 546 Practicum in Psych/Mental Health Nursing	4-5
NU 700 Thesis	6
Support courses to total program of 39 semester credits:	11-12

D. Family Nurse Practitioner (46)

Required Core Courses	6
NU 537 Role Analysis: Clinical Nurse Specialist/Nurse Practitioner	2
NU 562 Advanced Physical Assessment and Differential Diagnosis	4
NU 563 Pharmacology: Advanced Concepts and Practice	3
NU 564 Health Promotion in Nursing Practice	2
NU 565 Information Management for Nursing Practice	3
NU 567 Primary Care: Adults and Elders	4
NU 568 Primary Care: Infants, Children & Adolescents	3
NU 569 Primary Care: Family	4
NU 581 Advanced Pathophysiology I	4
NU 582 Advanced Pathophysiology II	3
NU 595 Internship	5
NU 701 Clinical Project	3

E. Support Courses

Students may take supporting coursework in nursing and/or non-nursing studies. Students may elect or be advised to supplement their program of study with additional courses or through independent study. Support courses may be taken from areas other than the student's chosen area of study. Nursing support courses include:

NU 513 Innovative Management & Leadership
NU 517 Financial & Human Resource Management
NU 521 Teaching, Learning & Evaluation
NU 523 Nursing Education: Role Analysis & Curriculum Development
NU 524 Multimedia Methods of Instruction
NU 577 Ethics in Health Care
NU 583 Advanced Gerontology
NU 594 Nursing Care of Children in a School Setting
NU 598 Special Topics
NU 599 Independent Study (also numbered NU 591)

*NU 503 is not required for students in the family nurse practitioner area of concentration; these students will take NU 701 instead of NU 700.

Admission

Whitworth College considers for admission students who demonstrate strong academic promise to compete in a rigorous college program combined with a meaningful student life experience. Students are selected from those applicants who prove by scholastic achievement, measured aptitude and other personal traits their ability to succeed at Whitworth. A college-preparatory curriculum is recommended for entrance, and the relative strength of one's academic performance is strongly considered.

Whitworth College admits students without regard to age, race, color, religion, national origin, sex, marital status or disability.

APPLYING FOR ADMISSION FRESHMAN APPLICATION PROCESS

APPLICATION

All freshmen should complete sections one and two of the Whitworth College Application for Admission. The Washington State Common Application can be used; however, additional information will be required. Either form should be submitted to the Office of Admissions at Whitworth College (no application fee is required).

SCHOOL REPORT

Section three should be given to your high school counselor, who will mail it along with your official high school transcript directly to the Office of Admissions.

ENTRANCE EXAMS

All freshmen are required to submit results of either the Scholastic Aptitude Test (SAT) or the American College Test (ACT). Students should ask the appropriate testing agency to report the test scores directly to Whitworth College, unless these scores appear on their official high school transcripts.

TRANSFER APPLICATION PROCESS

Transfer students should use the Whitworth College Application or the Washington State Common Application and submit official college transcripts from each college attended. In addition, a letter of recommendation is required and should be submitted to the Office of Admissions (no application fee is required). College students with fewer than 30 semester hours or 45 quarter hours of transferable credits will be required to submit their high school transcripts.

INTERNATIONAL STUDENT APPLICATION PROCESS

Students who are not citizens or permanent residents of the United States are encouraged to apply for admission. International students should complete the International Student Application and submit it to the Office of Admissions (no application fee is required). Students should include with their application an official guarantee of funds (in the form of an official letter of sponsorship and/or an official bank statement showing funds available), academic transcripts, certified English translations of all transcripts and the official results from a TOEFL exam. Applicants with a score of 460-524 are considered for conditional admission. (Regular admission is automatically granted upon successful completion of the Whitworth English Language Program.) Students with a score of 525 or better are considered for regular admission. For further information, write or call the Office of Admissions.

EVALUATION AND ACCEPTANCE

Each application is carefully reviewed before the Admission Committee grants admission to the college. Grade point average, test scores, class rank, course pattern, quality of written application, extracurricular participation and leadership are all considered in the admission decision process.

Early Action Option

If, after reviewing the possible college choice options, you decide that Whitworth College is your first choice, you may apply for early action. Early action is generally for students with above-average achievement and aptitude, and is reserved for students who identify Whitworth College as their first choice. Early action candidates will receive preferential treatment in the processing of class pre-registration and campus housing. Early action candidates must follow the timetable below:

Application material due	Nov. 30
Notification of decision by	Dec. 15
Enrollment deposit due	Jan. 31
(non-refundable after May 1)	

Regular Admission Option

The Whitworth College Application for Admission or the Washington State Common Application must be completed and submitted with the proper credentials as outlined in the section "Application Process." Whitworth has a preferred application date of March 1 for freshmen and June 1 for transfer and international students. In order to accept the offer of admission, the applicant is required to submit a \$200 enrollment deposit (\$170 tuition and housing deposit and \$30 matriculation fee). This enrollment deposit will hold the student's place in the new class and is non-refundable after May 1.

Application Dates

March 1 (freshmen)
June 1 (transfers)

HONORS ADMISSION

Applicants who have an outstanding academic record may be selected for Whitworth's Honors at Entrance Program. This program consists of an enhancement of the curriculum with select honors options, and, for the first semester, membership in the Laureate Society with the opportunity to enroll for two additional credits beyond the normal full-time load at no additional cost. Details of the program are forwarded to qualified applicants upon acceptance.

ADVANCED PLACEMENT

Whitworth College is supportive of the Advanced Placement Program of the College Entrance Examination Board (CEEB). Students admitted to Whitworth who have received scores of three will be given placement. Students with scores of four or five will be given three semester credits or more for each subject area, to a maximum of 32 semester credits (sophomore standing). In addition, tests in some areas will also gain the student credit applicable toward a major and/or the waiver of a general graduation requirement.

RUNNING START POLICY

High school students with Running Start credits at the time of application are considered first-time freshmen as long as they attempt no college level coursework after high school graduation. Running Start students must meet freshman application deadlines and Whitworth's freshman admission standards. Running Start credits are accepted as transfer credits based on the receipt of official academic transcripts from the community colleges attended. Courses in which a student received a grade less than "C-", vocational/technical courses, non-college-level courses, and incomplete courses are not transferable. A maximum of 64 semester credits (96 quarter credits) may be transferred from the community college.

DEFERRED ADMISSION

Students may apply for admission during any given year, and, if admitted, can defer their admission and attendance at Whitworth for two semesters. If a student must delay longer than the two semesters, he or she must submit a new application for admission. Deferment is granted on a case-by-case basis.

PART-TIME STUDENT ADMISSION

Students enrolled for fewer than 12 semester credits are considered part time. The part-time student classification can be on a credit or audit basis. Students seeking an undergraduate degree on a part-time basis (usually through courses taken in the evening) should contact the Office of Continuing Studies for information on degree options and admission procedures. Students interested in graduate degrees in education (master of education, master of arts in teaching) should contact the graduate office in this area for admission procedures, catalogs and financial information. Those interested in the master's degree in teaching should contact the School of Education. Students seeking a master's degree from the International Management for Business and Development program should contact the director. Part-time students seeking a master's degree in nursing should contact Continuing Studies. Part-time students not seeking a degree from Whitworth are not required to complete the formal admission process; they may register directly through the Registrar's Office.

CAMPUS VISITS AND INTERVIEWS

One of the best ways to discover how a college meets your individual needs is through a campus visit. A personal interview is not required for admission; however, one is recommended. This can be accomplished during a visit to the campus. In addition, the visitor will have the opportunity to tour the campus, sit in on classes and meet with faculty, staff and coaches. If an applicant wishes to experience a night on campus in one of our residence halls, arrangements can be made through the Office of Admissions. We request two weeks' advance notice in order to ensure the most enjoyable and rewarding visit. The Office of Admissions is open for appointments Monday through Friday from 8 a.m. to 4:30 p.m.

Financial Information

COSTS AND FEES

Whitworth College is an independent institution and, like most such institutions, receives minimal support from public funds. Each student is charged tuition and fees that cover approximately three-fourths of what it costs the college to provide its services. The balance of these costs is met by income from the endowment and by gifts from trustees, alumni and other friends of the college. Since prompt payment of student bills is important in maintaining our quality educational program, all details for paying current charges must be finalized before students enroll for classes. Payment in full is due at the beginning of each semester, or students and their parents may desire to use the FACTS budget plan that spreads payments over a four-month period each semester (August-November for fall, January-April for spring).

Costs for the 1997-98 academic year

Tuition	\$14,750
Room and Board	5,200
Assoc. Student Body Fee	134
Campus Center Fee	24
Total	\$20,108

A full-time academic load is 12 to 17 semester credits in the fall and spring semesters and three to five semester credits in Jan Term.

Room and board charges do not cover regular college vacation periods. The above rate provides for a double room and 20 meals per week plus \$285 flex dollars to be used at the Campus Center Café. Two other "meals-per-term" plans are also available. Students in private rooms pay approximately 35 percent additional room rent.

All full-time students are required to be covered by Plan I Accident/Medical Insurance. The cost for this insurance is \$30 per term or \$60 per year. This plan has a maximum benefit of \$5,000 per accident.

A second plan for medical insurance has a limit of \$10,000 per illness. The cost for this insurance is \$100 per year. If a student has other insurance, this excess-coverage insurance may be waived by providing proof of insurance to the Business Office by the first week of classes. This coverage is by a secondary carrier and will pick up deductibles for other insurance plans.

More information will be available in the Business Office. Additional expenses for books, supplies, personal items and transportation will vary with each student, and are a necessary consideration when planning total costs.

Since fees are published several months in advance of the academic year, the Whitworth College Board of Trustees reserves the right to change this fee structure.

Miscellaneous Costs (1997-98)

Part-Time Day School

For students enrolling for less than a full-time academic load, tuition is charged by semester credit.

Per semester credit	\$ 590
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Excess Semester Credits

For semester credits in excess of 17.5 semester credits, fall and spring semesters, five credits Jan Term.

Per semester credit	\$ 390
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Audit Fee

Per semester credit	\$ 295
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Evening School

The maximum undergraduate course load in the Evening College is eight semester credits.

Per semester credit	\$ 160
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Combination Day and Evening Classes — 8 Credit Maximum

Evening College, per semester credit	\$ 160
Day School, per semester credit	\$ 235

Graduate program rates are contained in the specific program bulletins.

Special Course Fees

Several courses (in art, physical education and music, among others) carry special fees to cover extra costs. These classes and their fees are listed in the course schedule for each semester.

Change in Registration Fee

Per schedule change	\$12
Diploma Fee	\$40
Transcript Fee	\$4

(Transcripts and diplomas are released only when all financial accounts are current.) A more detailed list of miscellaneous fees is available from the Business Office.

All fees are subject to change without notice.

Fees for off-campus and foreign study vary according to the program. For additional financial information, check with the Office of Off-Campus Study Programs.

TUITION AND FEES REFUND POLICY

All refunds must be claimed through proper application to the Business Office. Students must secure the forms from the Registrar's Office for class drops and withdrawals. The date the form is received by the Registrar's Office will be used to establish the refund withdrawal date.

The published refund schedule is available in the Business Office.

A student who officially drops or withdraws from classes during the course of the term is eligible for an adjustment of charges as follows:

Withdrawal/Drop	Refund	Applicable to
First (1st) Week	100%	Tuition, room and course fees. Board prorated.
Second (2nd) Week	90%	Tuition, room and course fees. Board prorated.
Third (3rd) Week	80%	Tuition, room, no fees. Board prorated.
Fourth (4th) Week	60%	Tuition, room, no fees. Board prorated.
Fifth (5th) Week	40%	Tuition, room, no fees. Board prorated.
Sixth (6th) & Seventh (7th) Weeks	25%	Tuition, room, no fees. Board prorated.
Eighth (8th) Week	0%	Tuition, room, no fees. Board prorated.

A pro-rated refund applies to first-time students (first semester) who are receiving federal financial aid. Please contact the Financial Aid Office for further information.

REFUND POLICY

WORKSHOPS AND SPECIAL ("S") COURSES

Refunds minus a \$10 service charge will be granted up to 72 hours before the first class meeting. While no refunds can be given after the 72-hour limit, qualified participants may transfer credits to another "S" course.

ROOM AND BOARD REFUND POLICY

All refunds must be claimed by proper application through the Residence Life Office. The student's resident assistant (R.A.) must sign and date checkout form. See refund schedule under Tuition & Fees Refund Policy.

Financial Aid

Whitworth College is committed to assisting students and their families to obtain the necessary resources to attend Whitworth College. Many students and their families qualify for financial assistance through our financial aid programs, which provided more than \$17 million in assistance last year. More than 90 percent of our full-time undergraduate students receive financial assistance. Financial aid awards often consist of some types of grants or scholarships, as well as student loans and work-study. Financial aid funding is provided by Whitworth College, the federal government, the state of Washington and private donors.

To be considered for financial aid at Whitworth College, the student should take the following steps:

1. APPLY FOR ADMISSION TO WHITWORTH COLLEGE. A financial aid award will be prepared only after a student has been accepted to the college.
2. SUBMIT THE FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA) to the federal processor. Students should designate on the FAFSA that they want their application information sent to Whitworth College (code #003804). Applications should be submitted as soon after January 1 as possible. We give priority consideration for funding to those students who are admitted and who submit the FAFSA to the processor by March 1. Applications after March 1 are still welcome, but less aid may be available.
3. RESPOND PROMPTLY to requests for additional information that is required to complete the financial aid process. Requests may include proof of high school graduation, or copies of 1040 tax returns.

4. SIGN AND RETURN THE FINANCIAL AID AWARD NOTICE. Once the FAFSA form has been processed, Whitworth College will receive an estimate of each applicant's family contribution. Once these results are received and the student has been admitted, the Financial Aid Office will review the application and send a Financial Aid Award Notice, notifying the student of the types and amounts of aid he or she will be eligible to receive. The award may be ESTIMATED if additional information is needed to determine a student's exact eligibility. Therefore, ESTIMATED awards are subject to change once complete information is received. A student may accept the award in total or in part. The award notice will have a response deadline. Please adhere to this deadline.

5. NOTIFY THE FINANCIAL AID OFFICE OF ANY CHANGES in the family's financial status or receipt of increased resources, including outside scholarships.

6. MAINTAIN SATISFACTORY ACADEMIC PROGRESS.

NORMAL PROGRESS AND FINANCIAL AID

The normal load for full-time undergraduate students is 12 to 17 semester credits in the fall and spring semesters and three to five semester credits in the January term. Registration for less than a full-time load will prevent a student from receiving some forms of financial aid.

A student must average 32.5 credits per year in order to graduate in four years. The total number of semester credits required for graduation is 130. The maximum allowable time for a financial aid recipient to complete a degree and receive aid is five-and-a-half years.

More information on financial aid is available from the Financial Aid Office. If you would like a brochure, or if you have any questions about financial aid, please call the Financial Aid Office at 1-800-533-4668.

SCHOLARSHIPS FROM GIFTS TO WHITWORTH COLLEGE

The following scholarships are made possible by generous gifts from or in memory of Whitworth supporters:

SCHOLARSHIP FUNDS REQUIRING SEPARATE APPLICATIONS

Contact the Financial Aid Office for an application.

Ackerley Communications Merit Award
Alumni Association Scholarship
C.W. and Madeline P. Anderson Scholarship
Sophie Anderson Educational Trust Scholarship
Estella Baldwin Scholarship
Rev. Edward E. Baird Philosophy Scholarship
Gordon L. Blanchard Memorial Music Scholarship
Bocksch-Stien Science Scholarship
Karlyn Boppell Music Scholarship

Anna Jane Carrel Music Scholarship
Chevron USA, Inc., Scholarship
Ethel Klein Culverwell Music Scholarship
Delanty Travel Scholarship
Dorothy Dixon Music Scholarship
Harry and Marjorie Dixon Scholarship Fund
Glen P. Erickson Memorial Scholarship in Physics
Sheryl Fardal-Winget Scholarship
First Interstate Bank of Washington Foundation Scholarship
Martha Estelle Frimoth Memorial Scholarship
Sarah Lou Gammons Music Scholarship
Graham Family Music Scholarship
Michael Hammack Memorial Scholarship in Chemistry
William R. Hearst Foundation Scholarship Fund
Eileen "Mom" Hendrick Memorial Scholarship
Ruby A. Heritage Scholarship
James Family Scholarship
Lou and Maudie Hopkins Scholarship
Winifred McNair Hopkins Scholarship in Choral Conducting
Justice Charles Horowitz Merit Award
ISC Systems Corporation Distinguished Achievement Award
Mark and Clara Belle Koehler Scholarship Fund
Jason Laurie Memorial Scholarship
Levy/Greybill Scholarship
Pat MacDonald Psychology Scholarship
Lucile G. Martin Voice Scholarship
Dr. Richard E. and Doris L. McCarty Scholarship
Hans Moldenhauer Music Scholarship
Richard Nalos Scholarship
Orville and Georgetta Nupen Nursing Scholarship
Lisa Marie Plotkin Scholarship
Alvin B. Quall Nursing Scholarship
B. Champ Sanford Memorial Scholarship
Lynda Sittser Music Scholarship
Christ's Community at Southminster Presbyterian Church Scholarship
Tavener Music Scholarship
United Parcel Service Scholarship
Dale Wilson Education Trust Fund
Pete Christensen/Shaua Winner Scholarship
Beulah Wilson Wilke Scholarship Fund
Alice Bernice Woodhead Scholarship

SCHOLARSHIP FUNDS THAT DO NOT REQUIRE SEPARATE APPLICATION

Barbara Cox Anthony Foundation Scholarship
David Barnes & Aubrey M. Leavitt Scholarship Fund
Alice J. Benque Scholarship Fund
Amos A. Bratrude Scholarship Fund
Ernest E. & Margaret Yenny Brown Memorial Scholarship Fund
Helen Grinnel Brown Music Scholarship Fund
Cyrus Bosworth Memorial Science Scholarship
Frank and Helen Burgess Scholarship Fund
Rev. & Mrs. Paul Calhoun, Sr., Memorial Scholarship Fund
Richard E. Campbell Memorial Scholarship Fund
Ben B. Cheney Foundation Scholarship Fund
Comstock Foundation Scholarship Fund
Caroline Cooper Scholarship Fund

Glen and Dorothea Cotterel Scholarship for Foreign Students
 William H. Cowles Memorial Scholarship Fund
 Dora Swanson Dale Scholarship
 Vere I. Snyder DeVoe Memorial Scholarship
 Gordon A. & Priscilla Duncan Scholarship Fund
 Annie Ester Durham Scholarship Fund
 Nelson W. Durham Scholarship Fund
 Rev. and Mrs. Albert E. Evans Memorial Scholarship Fund
 First Presbyterian Church of Wenatchee Scholarship in Memory of
 Miss Elma Ross
 Flora Distinguished Service Award
 Thomas S. Foley Scholarship in Political Science
 Robert H. and Grace R. Gaines Scholarship Fund
 Rev. John Gordon Memorial Scholarship Fund
 J. Wilson Gowdy Scholarship Fund
 Gordon Stanley Grace Memorial Scholarship
 Florence Marion Hammond Memorial Scholarship Fund
 Lloyd M. Harder Memorial Scholarship Fund
 Elizabeth Hewitt Memorial Fund
 John R. Howard Scholarship
 Edward H. Hughes Memorial Scholarship
 Hal J. and Mildred L. Hunt Memorial Scholarship Fund
 William B. Hyde Memorial Scholarship Fund
 Marion Jenkins Alumni Scholarships
 Ida B. Johnston Scholarship Fund
 David L. Jones Memorial Scholarship Fund
 Elizabeth Ann Joyner Scholarship Fund
 Kaiser Aluminum & Chemical Corporation Scholarship Fund
 William Kay Memorial Scholarship Fund
 Pearl H. King Scholarship Fund
 Charles F. Koehler Memorial Scholarship Fund
 Bertha Lee Memorial Scholarship
 Lindsey Memorial Scholarship Fund for Needy and Deserving Students
 Lillian Whitehouse Lyle Scholarship Fund
 Harold MacArthur Memorial Scholarship
 Magnolia Presbyterian Church Scholarship, Seattle
 Manifold Scholarship Fund
 Rev. J. Renwick McCullough Memorial Scholarship Fund
 Jack McEachran Memorial Scholarship Fund
 William L. McEachran Scholarship
 William and Annie McEachern Memorial Scholarship
 Mary L. Mentzer Scholarship Fund for Young Men
 Aimee E. Millhouse Scholarship
 William Moir Scholarship Fund
 Charles W. Muir Christian Education Scholarship Fund
 Anna E. Neill Scholarship Fund
 Mave C. Olds Scholarship Fund
 Jef Olson Memorial Award
 Marthabelle Paulson Scholarship
 Dorothy Myers Phillips Scholarship Fund
 Alice Postell Alumni Scholarship Fund
 Harry G. Prescher Scholarship Fund
 Mary E. Quackenbush Scholarship Fund
 Reader's Digest Foundation Endowed Scholarship Fund
 Howard Redmond Scholarship Fund
 Donald W. Reynolds Communications Scholarship
 Susan Rose Scholarship Fund
 William J. Sanders Scholarship Fund
 Philip Schwab Memorial Scholarship Fund

John E. and Etna Ezzard Sheridan Memorial Scholarship Fund
 C. J. Simpson Scholarship Fund
 Florence Soden Memorial Scholarship Fund
 John A. Soule Memorial Scholarship Fund
 Dennis Spurlock Memorial Athletic Award
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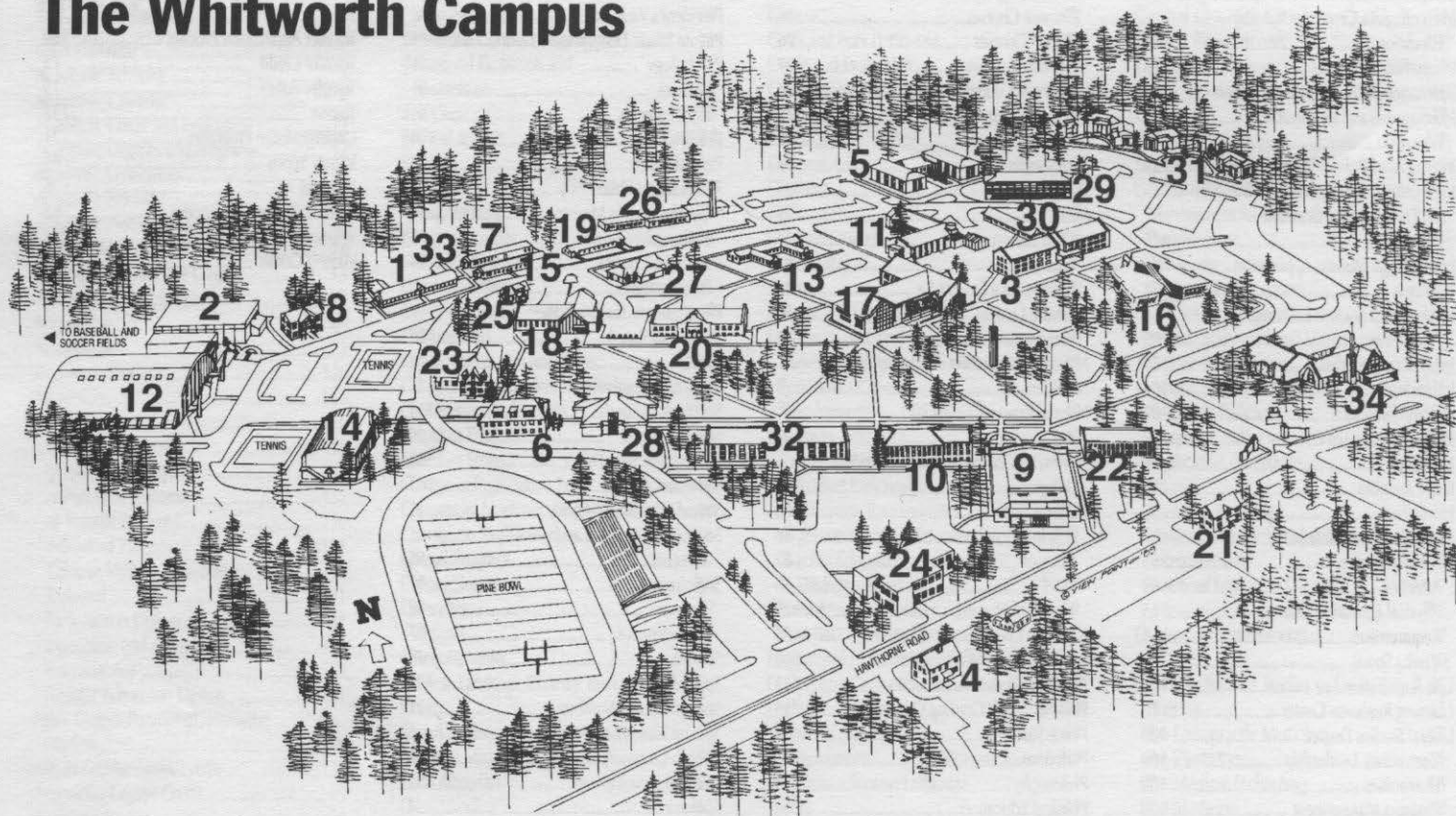
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The Whitworth Campus



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The Whitworth Campus

Academic, Administrative, Service And Support

Aquatic Center: The Aquatic Center, constructed in 1984-85 and updated in 1992, houses a six-lane, 25-yard competition pool with a moveable bulkhead, allowing for a warm-up pool in the shallow end. A variety of classes, including water aerobics, kayaking, SCUBA and swimming is regularly offered. Lap and open-swim hours are available throughout the day and evening.

Auld House: The Sara Miller Auld House, located at the corner of Hawthorne and College Roads, is the home of the Whitworth Foundation and the Whitworth Alumni Center. Built around 1914, the house was originally the home of Sara Miller Auld, the daughter of one of the tenant farmers employed by Jay P. Graves, who donated the land for Whitworth College. Sara Miller Auld was a 1925 graduate of Whitworth College. The college bought Auld House in 1988 and converted it into offices. The former living room, elegantly furnished using designated funds, is the Alumni Center and houses the Alumni Association's collection of college yearbooks. The Whitworth Foundation occupies offices on the second floor.

Calvin Hall: Calvin Hall, constructed in 1943 and remodeled in 1980 and 1988, houses the Economics/Business, Physical Education and Athletic Departments faculty offices and several classrooms.

Campus Center: The Campus Center, dedicated in 1995, stands on the site of the old Hardwick Union Building (HUB). The campus bookstore, post office, cafe, lounge areas, game room, outdoor recreation office, student newspaper office, radio station KWRS, the offices of the Associated Students of Whitworth College (ASWC), various student organization offices, and meeting rooms are all located in this building.

Harriet Cheney Cowles Memorial Library: Originally constructed in 1948 in memory of the wife of Spokane publisher William H. Cowles Sr., the library has been expanded twice, once in 1969 and again in 1993. The most recent expansion doubled the size of the library. The library's collection contains more than 162,000 books, periodical volumes, volume-equivalents on microfilm, recordings, and audiovisual media. The library belongs to the Western Library Network providing access to bibliographic information from 350 libraries on the Laser Cat compact disk system in addition to inter-library loan services with those libraries. Three student computer labs with internet and e-mail access are located in the library, as are the Academic Computing Department, the Audiovisual Center, and the Academic Affairs offices.

Cowles Memorial Auditorium: Named in honor of Spokane publisher William H. Cowles, Sr., the auditorium, constructed in 1955 and refurbished in 1995, seats 1,250 people. Forum takes place here, and lectures, theatre, ballet, and music performances occur throughout the year. The Communications and Theatre departments are located here.

Dixon Hall: Constructed in 1955 in memory of Grant Dixon, Sr., college trustee from 1940-49, Dixon Hall serves as the main classroom building on campus. The Education, Graduate Studies in Education, and Psychology department offices are located here.

The Fieldhouse: A gift from C. Davis Weyerhaeuser, college trustee from 1941-present, the Fieldhouse was built in 1962. Facilities include a portable wood floor for basketball and volleyball, batting and pitching cages, a ballet loft, and indoor track and field facilities. The Dr. James P. Evans Sports Medicine Center, including offices of the Athletic Training Program and athletic training facilities, is also located in the Fieldhouse. Various events take place in the Fieldhouse: registration; intramural events; the Hawaiian luau; the International Banquet; Pirate Night (a fundraising dinner and auction); sports camps and clinics for community members.

Graves Gymnasium: Graves Gymnasium is named in honor of Spokane Realtor J. P. Graves, a trustee of Whitworth from 1914 to 1918, who donated the land on which Whitworth now stands. Graves Gym serves as the practice gym for men's and women's basketball and volleyball teams. PE classes and some intramural activities also take place here. The basement houses the weight room containing Nautilus and free-weight equipment. Physical education and athletics staff offices are also housed in Graves Gymnasium.

Grieve Hall: Named after Dr. and Mrs. Robert Grieve, missionaries to Ethiopia, this building was constructed in 1936 and remodeled in 1983. Grieve Hall now houses the English and Modern Language department offices, Modern Language faculty offices, and classrooms.

Eileen Hendrick Student Life Center: The offices of the dean of students, student employment, career counseling and placement, tutoring services and residence life is named in honor of Eileen Hendrick, resident director from 1965-80.

Eric Johnston Science Center: Constructed in 1967, the Science Center was a gift from the Eric Johnston Foundation. All three science departments — Biology, Chemistry and Physics — are located here, as are classrooms, labs, two greenhouses, and a recently renovated auditorium and lecture hall. The Science Center also houses the Science Library. Under a grant from the National Science Foundation, this facility is in the process of additional renovation.

Leavitt Dining Hall: Operated by the Marriott Corporation, Leavitt Dining Hall is a gift from Mr. and Mrs. Aubrey Leavitt. Constructed in 1944 and enlarged in 1961, Leavitt Dining Hall provides meal services to all students. The dining hall houses an upper and a lower level for student dining and an intimate banquet room for college use.

Lincoln Hall: One of the few remaining buildings bought from the U.S. government after World War II and installed on the Whitworth Campus in 1946, Lincoln Hall currently houses Printing and Mail Services on the main level and custodial offices on the lower level.

Lindaman Center: Constructed in 1946 and remodeled in 1980. Named in honor of Edward B. Lindaman, college president 1970-1980. The History/Political Studies, Sociology, and Continuing Studies department offices are located downstairs. Upstairs are two meeting rooms for college and community-sponsored seminars and two classrooms for Whitworth use.

MacKay Hall: The home of Rev. Donald D. MacKay, former Whitworth College dean, president (1911 to 1917) and chairman of the Board of Trustees (1914-1917), now houses the Office of Admissions.

Math and Fine Arts Building: Constructed in 1966, remodeled in 1988. Houses the Math, Computer Sciences and Fine Arts department offices, classrooms and art studios. Students, faculty and alumni display their artwork in the John Koehler Gallery, named in honor of this former professor of art for his 30 years of leadership at Whitworth.

McEachran Hall: Constructed in 1952 and named in honor of Chairman of the Board William McEachran, 1923-59, this facility houses the administrative offices of the President; Development, Business Affairs; Human Resources; Registrar; and Financial Aid.

Music Building: Constructed in 1977, the Music Building, dedicated to William H. Cowles, Jr., houses a recital hall, orchestra room, classrooms, music library, faculty offices, 17 practice rooms with pianos and a piano lab.

Physical Plant: Constructed in the mid-1940s with additions in 1950 and 1956. The plant building contains a connected boiler room, shop room, HVAC and electrical shop; and an attached carpenter shop, paint shop, and general trade shop. The boiler stack reaches a height of approximately 65 feet.

Pine Bowl: Football and Soccer teams practice and play home games here. In 1994, an all-weather track and other improvements were completed. The new track, Boppell Memorial Track, is named in honor of the parents of Chairman of the Board of Trustees, Chuck Boppell.

Schumacher Building: Constructed in 1971, remodeled in 1991. RN's staff this health center, providing care to students at Whitworth. As of 1991, the East wing houses the Department of Publications and News Services.

Seeley G. Mudd Chapel: Constructed in 1979. Donated by the Seeley G. Mudd Foundation in recognition of Whitworth's commitment to the integration of faith and learning. The Chaplain's staff offers midweek worship on Wednesday mornings, Hosanna on Tuesday nights, services as may be requested by the college and community. The Departments of Religion and Philosophy are located here.

Westminster/Alder Hall: Constructed in 1946, Alder Hall provides program offices for the Graduate Program in International Management for Business and Development, International Student Services and International Programs. Westminster houses the English

Department offices and classrooms, and the math lab. A beautiful courtyard, which blooms spring through fall (maintained by English Professor Leonard Oakland), makes this a favorite meeting and study spot for majors as well as non-majors.

STUDENT HOUSING

Arend Hall: Constructed in 1957 and remodeled in 1986, Arend Hall houses 91 women and 62 men on three floors. Named in honor of Albert Arend, college trustee from 1925-34.

Baldwin-Jenkins Hall: Baldwin-Jenkins, named for Estella E. Baldwin, Registrar, 1935-70 and Marion R. Jenkins, Dean of Women, 1931-63, is the only exclusively freshman dormitory on campus. Eighty women live in Jenkins and 76 men live in Baldwin, with a common lounge area separating the two wings. It was built in 1968.

Ballard Hall: Originally built in 1914, Ballard Hall burned to the ground in 1927, and was rebuilt and opened in 1928. Named for W. R. Ballard, college trustee from 1892-1912, this hall was originally an all-male dormitory. It is now a residence hall for 62 women and is the sister dorm to McMillan Hall.

Beyond Hall: Constructed elsewhere and moved to the Whitworth Campus in 1947 (a government surplus building from World War II, and initially used as an infirmary), Beyond was used for storage and limited classroom and office space until it was converted to a women's residence hall in fall 1991; it now houses 19 women.

Hill House: Purchased by Whitworth in 1993 and renovated in 1994, Hill House is one of several campus theme houses. Hill, a multicultural theme house, provides living space for five women students.

McMillan Hall: Constructed in 1913 and remodeled in 1987, McMillan Hall is the original college building, housing all classrooms, offices, dormitory rooms and the dining hall. McMillan, Originally a female dorm, then coed after the fire in which Ballard Hall was destroyed, is now an all-male dorm, and is the brother dorm to Ballard Hall. Named for the Rev. Hugh H. McMillan, college trustee from 1907-31, McMillan houses 76 men.

Stewart Hall: Constructed in 1963, remodeled in 1988. Named in honor of the Rev. Calvin W. Stewart, Whitworth president from 1890-98. Stewart Hall houses 35 men and 35 women.

The Village: Constructed in 1972, The Village consists of six residence houses that offer a smaller, quieter environment; most of the rooms are single; residents are primarily juniors and seniors, 40 men and 80 women. Many of the buildings have been or are the homes of the theme dorms (German, French, Japanese, Central-American and Christian Living).

Warren Residence Hall: Constructed in 1952 and 1963 and remodeled in 1989, Warren was named in honor of Frank Warren, college president from 1940-63.

Whitworth College

Spokane, WA 99251

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