

4-1932

# Catalogue Number of Whitworth College 1932-1933

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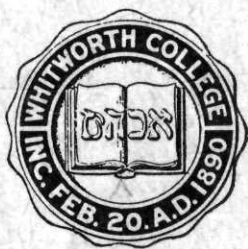
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CATALOGUE NUMBER  
*of*  
Whitworth College  
BULLETIN

Spokane, Washington



A COLLEGE OF  
LIBERAL ARTS AND SCIENCES

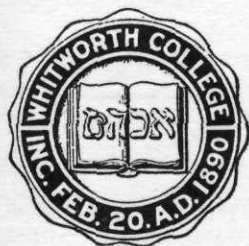
*Announcements for 1932-33*

APRIL, 1932



CATALOGUE NUMBER  
*of*  
Whitworth College  
BULLETIN

Spokane, Washington



A COLLEGE OF  
LIBERAL ARTS AND SCIENCES

*Announcements for 1932-33*

APRIL, 1932

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Entered as second class matter, August 5, 1930, at the Post Office, Spokane, Washington, under the act of August 24, 1912. Published four times a year, in Oct., Dec., Feb., and April, at Spokane, Washington. Subscription, 50c a year.

INLAND-AMERICAN Ptg. Co.  
SPOKANE

# Suggestions for Building a Christian College

Christian colleges offer an excellent opportunity for the investment of funds in the preparation of young men and women for Christian service to the world. Incalculable good has come to the world through such gifts, and a legacy to Whitworth will do much toward making it a strong Christian College.

This college has been the beneficiary of a number of legacies in the past, as well as gifts, outright and on the annuity basis, from living donors.

**WILLS.** Those believing in this college and desiring to make a bequest should make it to Whitworth College, Spokane, Washington.

## *Advised Legal Form*

I give (devise) and bequeath to Whitworth College, Spokane, Washington, and its successors forever the sum of \_\_\_\_\_ dollars (or otherwise describe the gift) for its general corporate purposes (or name a particular corporate purpose).

Signed \_\_\_\_\_

Witnesses:

\_\_\_\_\_  
\_\_\_\_\_

**ANNUITY AGREEMENTS.** A number of friends of the college have made gifts to the college on the annuity basis. Whitworth College will pay from four to nine per cent, depending upon the age of the annuitant. Write to Whitworth College for information.

# The College Year

The college year consists of thirty-six weeks divided into two semesters of two terms each. Tuition, fees, and room and board are payable on or before the first day of each term. No scholastic credit is given for less than a semester's work.

## Calendar for 1932-33

### FIRST SEMESTER

#### *September*

- 13 and 14, Tuesday and Wednesday.....Registration  
15, Thursday, 8:00 a. m. .... Class work begins  
15, Thursday.....First convocation

#### *November*

- 11, Friday.....Armistice Day program  
11, Friday.....First term ends, mid-semester reports,  
and last date for payment of fees for second term

### SECOND TERM

- 14, Monday.....Class work resumes  
24, Thursday.....Thanksgiving, holiday

#### *December*

- 20, Tuesday, 4:00 p. m. .... Christmas recess begins

#### *January*

- 4, Wednesday, 8:00 a. m. .... Class work resumes  
23-27, Monday-Friday.....Examinations, registration  
and payment of fees for third term

### SECOND SEMESTER

#### *January*

- 30, Monday.....Registration for new students  
30, Monday.....Class work begins

#### *March*

- 31, Friday.....Third term ends, mid-semester reports  
and last date for payment of fees for fourth term

## TRUSTEES

### FOURTH TERM

*April*

3, Monday.....Class work resumes

14, Friday.....Easter recess

*May*

May Festival.....Date to be arranged

5, Friday.....Investiture

28, Sunday.....Baccalaureate

May 26 to June 1, Friday-Thursday Examinations

*June*

2, Friday, 10:30 a. m.....Commencement

## Board of Trustees

### CLASS OF 1932

Jay P. Graves.....Spokane

Ralph Nelson.....Coeur d'Alene

Albert K. Arend.....Spokane

Rev. Frank E. Beatty, D. D.....Wenatchee

A. N. Corbin.....Wenatchee

Rev. Robert Cameron.....Aberdeen

John F. Reed.....Seattle

### CLASS OF 1933

Rev. Mark A. Matthews, D. D.....Seattle

William B. Dudley.....Yakima

E. A. Lindsley.....Spokane

Henry M. Hart.....Spokane

F. D. Cartwright.....Anacortes

E. N. Brooks.....Seattle

Arthur E. Symons.....Seattle

Rev. Francis E. Reese.....Spokane

### CLASS OF 1934

William L. McEachran, *Chairman*.....Spokane

R. E. Porterfield, *Secretary-Treasurer*.....Spokane

Dr. E. T. Mathes.....Bellingham

Frank R. Fursey, M. D.....Spokane

Rev. David W. Ferry, D. D.....Yakima

## WHITWORTH COLLEGE

Edward T. French	Vancouver
L. G. Pattullo	Seattle
C. M. Hull	Yakima

## Executive Committee

William L. McEachran, <i>Chairman</i>	Spokane
R. E. Porterfield, <i>Secretary-Treasurer</i>	Spokane
Jay P. Graves	Spokane
E. A. Lindsley	Spokane
Albert K. Arend	Spokane
Henry M. Hart	Spokane
Frank R. Fursey, M. D.	Spokane
Ward W. Sullivan, <i>President of College</i> , Member Ex-officio of Board and all Committees.	

## Faculty

WARD WILLIAM SULLIVAN, Ph. D.

### *President*

A. B., A. M., Ph. D., University of Illinois. Graduate of Kansas State Normal School. Head of Department of History and Government, Fort Hays Normal School 1912-17; Associate Professor of History, Kansas University 1918-21; Assistant in Department of History, University of Illinois 1921-23; Head of Department of History and Political Science, Albany College 1923-29; Dean of Albany College 1924-1929.  
Whitworth College 1929—

*College Campus*

FRANCIS TILEY HARDWICK, Ph. D.

### *Dean of the College—Education and Psychology*

B. A., London, England, A. M., Ph. D., University of Washington; Postgraduate work, Universities Wisconsin, Chicago, and California; Professor of English, College Place Bel Air, Yverdon, Switzerland; Headmaster of Boys Secondary School, Clevedon, England; Head of the Department of Physics and Chemistry High School, Winona, Minn.; Superintendent of Public Schools,

## FACULTY

Waterville, Minn.; Principal, Junior High School, Everett, Washington; Extension Department, University of Washington; Department of Education, College of Puget Sound.  
Whitworth College 1929—

*Ballard Hall*

MARIAN R. JENKINS

### *Dean of Women*

Graduate San Jose Teachers' College, California; summer work at University of California; Girls' Work Secretary of Y. W. C. A., Vancouver, Washington; Asst. Dean of Women, Bible Institute, Los Angeles; Christian Education Director, First Presbyterian Church, Wenatchee, Washington.

Whitworth College 1931—

*McMillan Hall*

WILLIAM EDWARD ADAMS, A. M.

### *Dramatic Art and Public Speaking*

A. B., A. M., Richmond College; B. O., M. O., Cleveland School of Oratory. Special courses in Dramatics and Expression in Alfred University and Hiram College. Instructor in Whitworth College 1916-18; Head of Department of Public Speaking Spokane University 1922-30. Eight years on the Chautauqua platform in United States and Canada.

Whitworth College 1930—

*E2724 Pacific Ave.*

HELEN RUSSUM ALLEN, A. B.

### *Assistant in Department of Dramatic Art and Public Speaking*

A. B., Washington State College.

Whitworth College, 1931—

*1819 11th Avenue*

FORD LAROE BAILOR, B. S.

### *Physical Education*

B. S., Spokane University; Coaching Courses University of Illinois and Oregon State College; 1919-1922, Director of Boys' work Y. M. C. A. Great Falls; 1922-23, Assistant General Secretary and Physical Director Y. M. C. A. Helena; 1922-25, Athletic Coach and Instructor in History, Intermountain Union College; 1925-29, Director of Physical Education and Instructor in History, Spokane University.

Whitworth College 1929—

*Country Homes Estate*

WILMA M. BECKER, A. M.

### *Modern Languages*

A. B., State University of Iowa; M. A., Columbia University; 1924-25 spent in Cuba; teacher in Charles City, Iowa, High

## WHITWORTH COLLEGE

School: Penn College, Iowa; Alcester High School, South Dakota; Tarkio College; Missouri and Des Moines University. Tour in Europe one summer. Graduate work at University of Wisconsin and University of Iowa.

Whitworth College, 1931—

McMillan Hall

MILTON J. BENJAMIN, B. S.

### *Basketball Coach*

B. S., Colorado School of Mines. Instructor John Rogers High School.

Whitworth College, 1931—

5018 Smith Street

LAVERNE KENNETH BOWERSOX, PH. D.

### *History and Political Science*

A. B., Willamette University; A. M., Syracuse University; Ph. D., Ohio State University. Assistant in History, Syracuse University, 1922-23; Fellow, University of Iowa, 1923-24; Professor of History, College of Idaho, 1924-25; West Virginia Wesleyan College, 1925-26; Ohio State University, 1927-28; Florida State College for Women, 1928-29; Eureka College, 1929-32.

Whitworth College, 1932—

College Campus

JAMES WILLARD COUNTERMINE, A. M.

### *Religious Education and Philosophy*

A. B., A. M., Parsons College; M. Th. Princeton; D. D., Buena Vista College. Graduate work Universities of Princeton and Hawaii, in Philosophy, History, and Oriental Religions. Principal of High School 5 years. Head of Mathematics and Philosophy, Lenox College, 1 year. Dean of Religious Education, Highland Park College, 3 years. Two years superintendent of Missions under the National Board in Porto Rico. Eight years head of Old Testament and Greek in the Honolulu Theological Seminary, Hawaii.

Whitworth College 1928—

Country Homes Estate

CHARLES WHERRY HAYS, A. M.

### *Classical Languages*

A. B., A. M., D. D., Washington and Jefferson College.

Whitworth College 1925—

E. 3427-5th Avenue

LESLIE HEDRICK, PH. D.

### *Biology*

B. S., University of Illinois; A. M. and Ph. D., University of Michigan. Assistant, Eureka College, 1926-29; Assistant, Uni-

## FACULTY

versity of Michigan, 1929-31, Fellow, 1931-32.

Whitworth College, 1932—

College Campus

### GOTTFRIED HERBST

#### *Director of Orchestra; Violin*

Student in Germany under Herrs Joachim and Sitt. Concert master under several of the leading musicians of Germany. Three years head of violin department of Conservatory of Music at Erfurt. Came to Pullman in 1912 from the Court Opera at Weimar and was for nine years director of violin department and conductor of the orchestra of the State College and did similar work at the University of Idaho. Director of Herbst School of Music in Spokane.

Whitworth College 1930—

1406 9th Ave.

### HERBERT LEIGH HUSSONG, A. M.

#### *Social Science*

B. Ped., Fremont Normal; A. B., Fremont College; A. M., University of Oregon; Graduate work one summer University of California and one summer University of Washington. Instructor, Principal, and Superintendent Public Schools 1893-1909; 1913-1926. Instructor Utah Normal School 1910-13. Whitworth College 1926—

Country Homes Estate

### MELVIN A. JENNER, B. S.

#### *Assistant in Department of Physics and Mathematics*

B. S. in Electrical Engineering, University of Washington; summer at military camp at San Diego, California; 2nd Lieutenant in Air Corps Reserve; Technical Dept. Goodrich Rubber Company, Akron, Ohio; Multachrom Lighting Company in Seattle, Washington; graduate work University of Washington.

Whitworth College, 1931—

Ballard Hall

### HELEN L. MAGILL, A. M.

#### *English and Literature*

A. B., University of Kansas; A. M., University of Chicago. Student at Columbia, Oxford, Alliance Francaise, University of New York Paris Branch. High school teacher in the department of English for five years. Assistant Professor of English, South Dakota State College for six years. Two summers Black Hills Teachers' College, South Dakota.

Whitworth College 1930—

McMillan Hall

## WHITWORTH COLLEGE

EVA MAUNUS, A. B.

### *Secretarial Courses and Registrar*

A. B. Linfield College; Post Graduate work in the summer school at University of California 1928. Instructor in High School at Oakesdale, Washington, 1927-29; Spokane High School 1929-30.

Whitworth College 1930—

McMillan Hall

RAYMOND L. MOODY, A. M.

### *Department of History and Political Science*

Western State Teachers' College, Kalamazoo, Mich., A. B. in 1927. A. M. 1931 from University of Michigan. Two years' work on Ph. D.

Whitworth College, 1931—

Ballard Hall

BENJAMIN CONRAD NEUSTEL, A. M.

### *Chemistry*

A. B., Willamette University; A. M., Washington State College. Three summers of post-graduate work in Chemistry, Botany and Education, 1915-16-17, University of Washington; Washington State College summers 1928-31; Instructor in high school Science and Mathematics, 1914-28. Assistant Chemist War Department, 1918.

Whitworth College, 1928—

Country Homes Estate

ETHEL L. OBERHOLSER, B. S.

### *Home Arts*

B. S., University of Washington. Two years Graduate study with major in nutrition and zoology, Kansas State College. Study tour in Europe Summer 1929. Science and Home Arts, Wessington Spring's Junior College, South Dakota, 1910-19; Home Arts, Seattle Pacific College, 1919-26; Home Arts, McPherson College, 1927-30.

Whitworth College 1930—

McMillan Hall

EMILY SCHONS, PH. D.

### *Modern Languages*

A. B., University of Minnesota; M. A., Ph. D., University of Chicago; High School teacher, 1908-16; Professor, Ripon College, 1917-1919; Ohio State University, 1919-30; Research Work in European libraries, summers of 1922 and 1926.

Whitworth College, 1932—

College Campus

DAVID LIVINGSTONE SOLTAU, A. M.

### *Mathematics and Physics*

B. S., A. M., Northwestern University; Graduate Student, Uni-

## FACULTY

versity of Washington; Resident and Locating Engineer, Washington State Highway Department; Graduate Assistant, Physics Department, University of Washington; Private Civil Engineering Practice, Port Angeles, Washington; Engineer, Maintenance of Way Office, Northern Pacific Railway, Tacoma; United States Army, First Lieutenant and Captain, Air Service; Principal, Pyengyang Foreign School, Pyengyang, Korea; Treasurer and Professor of Physics, Union Christian College, Pyengyang, Korea; Architect, American Presbyterian Mission, Korea; Acting Professor of Physics, College of Puget Sound.

Whitworth College 1930—

*College Campus*

GRACE BLANCHE SOLTAU, A. B.

*Director of Music; Voice and Piano*

A. B., University of Washington; Teachers Diploma, Chicago Musical College; Private Study Voice, Pipe Organ, and Piano under Glenn Dillard Gunn, Chicago; American Institute of Applied Music, New York; Sidney Lloyd Wrightson, Washington, D. C.; Chicago Musical College; Instructor in Piano, University of Washington; Pipe Organist, University Congregational Church, Seattle; Private Teaching, Voice and Piano, Tacoma, Washington, and Petersburg, Virginia; Instructor in Piano, Union Christian College and Pyengyang Foreign School, Pyengyang, Korea; Instructor in Piano, College of Puget Sound.

Whitworth College 1930—

*College Campus*

DELPHA COFFMAN, A. B.

*Student Assistant in Music*

A. B., Whitworth College.

WILLIAM HERBST

*Student Assistant in Music*

MERRITT WINANS

*Student Assistant in Music*

WHITWORTH COLLEGE

## Administration

WARD W. SULLIVAN	President
FRANCIS T. HARDWICK	Dean of the College
MARIAN R. JENKINS	Dean of Women
MRS. F. T. HARDWICK	Hostess, Ballard Hall
EVA MAUNUS	Secretary and Bursar
PEARLE L. CONNER	Secretary to the President
FORD L. BAILOR	Field Representative
ELMER WHIPPLE	Custodian

## Faculty Standing Committees

*Administration*—The President and the Deans.

*Athletics*—Neustel and D. L. Soltau, Mrs. Hardwick, and Bailor.

*Duties*—To supervise athletic activities of all kinds and arrangements for games with outside parties, and determine eligibility and qualifications for all athletic activities.

*Buildings and Grounds*—D. L. Soltau and Countermine, Mrs. Sullivan, and Jenner.

*Duties*—To have supervision of buildings and grounds and to have general charge of Campus Day.

*Calendar of Events*—Oberholser and Maunus.

*Duties*—To keep a permanent register of all social activities and public events. All proposed activities must be registered in advance.

*College Catalogue*—Hays and Dean Hardwick.

*Duties*—To have charge of preparing the material for the revision of the college catalogue.

## FACULTY COMMITTEES

*College Publications*—Magill, Adams, and Becker.

*Duties*—To supervise the preparation of the material for all student publications. The content of all publications must receive the approval of this committee.

*Credits, Grades and Honors*—The Dean, the Registrar, and the Secretary to the President.

*Duties*—To record and preserve the standing of all students, to have power to place students in the class rank to which their credits entitle them, and to act as official custodian of all official and class records.

*General Committee*—The Dean and the Chairman of Committees.

*Duties*—To coordinate the work of the various committees.

*Literary Activities*—Adams, Mrs. Soltau, and Magill.

*Duties*—To have charge of all debates and oratorical contests, and to cooperate in the production of literary programs.

*Musical Activities*—Mrs. Soltau, Adams, and Hussong.

*Duties*—To have charge of all the musical activities of the College.

*Press and General Publicity*—Bailor, Jenkins, and Magill.

*Duties*—To furnish to the press information of public interest regarding the College.

*Public Exercises*—Dean Hardwick, Countermine, Mrs. Soltau, and Jenkins, and one representative from each of the four classes.

*Duties*—To make arrangements for all public exercises including the Chapel schedule.

## WHITWORTH COLLEGE

*Religious Activities*—Countermin, Hardwick, and Jenkins.

*Duties*—The chairman to serve as adviser to all religious organizations. The committee to supervise the general religious work among the students and to have charge of all religious work connected with the College.

*Social Functions*—Mrs. Hardwick, Adams, Oberholser, and Jenkins.

*Duties*—To give permission for all social functions and to supervise them, to cooperate in and supervise all-college social functions, and to have supervision of the women's reception room.

*Student Activities*—Soltau, Hussong, Neustel and Jenner.

*Duties*—To coordinate the work of the student organizations, to compile information concerning the personnel, the officers, and the faculty advisers, and to receive reports of the business transacted by the various organizations.

## PRESIDENTS OF WHITWORTH COLLEGE

### PRESIDENTS OF WHITWORTH COLLEGE

\*Amos T. Fox, February 2, 1890—September 9, 1890.

\*Calvin W. Stewart, D. D., September 9, 1890—September 1, 1898.

\*Robert Boyd, D. D., September 1, 1898—August 1, 1899.

\*Franklin B. Gault, August 1, 1899—August 1, 1905.

Barend H. Kroeze, D. D., August 1, 1905—August 14, 1909.

Donald D. MacKay, D. D., September 1, 1909—September 1, 1917.

B. Scott Bates, D. D., February 1, 1918—October 1, 1918.

Arthur Y. Beatie, D. D., July 1, 1919—April 30, 1920.

\*Charles A. Barry, M. A., May 1, 1920—June 9, 1921.

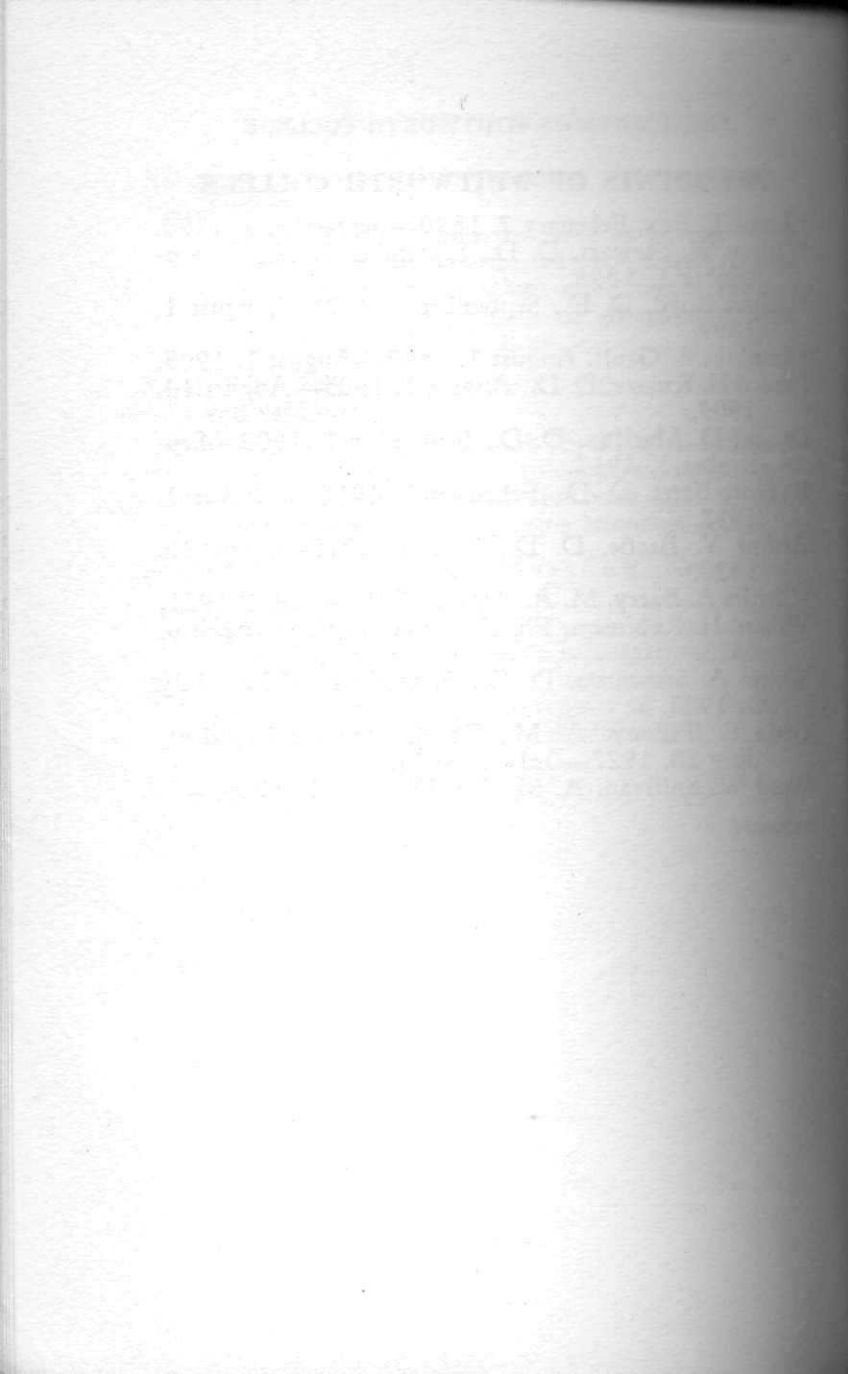
Willard H. Robinson, Ph. D., June 9, 1921—April 4, 1923.

Walter A. Stevenson, D. D., August 11, 1923—July 1, 1927.

Orrin E. Tiffany, A. M., Ph. D., Acting President, July 20, 1927—July 1, 1929.

Ward W. Sullivan, A. M., Ph. D., July 1, 1929—

\*Deceased.



## FOREWORD

A STRONG demand for private and Christian institutions of learning still persists despite the fact of the increasing support and patronage of state institutions. In the East the privately endowed institutions receive the majority of students attending colleges or universities. With the increase of wealth in the West the Christian colleges will be adequately endowed and the number of students attending them will constantly increase. Whitworth College will be no exception to this condition. It is meeting a real need, not only of the Presbyterians of the Washington Synod, but also of other denominations where along with the regular secular training required by the state there is added that religious training essential to the best citizenship. There is also an increasing desire on the part of Christian people of the State of Washington for an educational training of their young people that will strengthen them in the Christian faith.

Many thinking people believe that the right kind of environment and the right kind of associations are all important in the formation of the habits that determine Christian culture and living. They believe that the right environment and associations for Christian culture are found only in those institutions that hold firmly to the fundamental doctrines of the Christian faith. Whitworth College is preparing to meet this increasing demand on the part of the Christian people of the state.

Whitworth College is a Christian college on a Presbyterian foundation. It began as an Academy in Sumner, Washington, in 1884; it became a college in 1890. The College was removed to Tacoma in 1900 and to its present location in 1913.

## WHITWORTH COLLEGE

### TO REACH THE COLLEGE

Whitworth College is situated on the Inland Empire Highway two and one-half miles north of the city limits of Spokane, Washington. The Auto Interurban Company maintains a schedule of stages passing the college, en route to Colville and points north. At present it runs on the following schedule:

Leaves Stage Terminal at Trent and Wall, daily at 7:35 a. m. and 5:30 p. m., and daily, except Sunday, at 2:00 p. m.

Leaves Whitworth for the city, daily at 10:17 a. m. and 7:17 p. m., and daily, except Sunday, at 2:53 p. m.

Students coming into Spokane by stage or train at the opening of the college year will be met by cars from the college provided a request is sent to the college giving time and place of arrival.

The College has special arrangements at favorable rates for the delivery of baggage. Students may bring their checks to the College office to insure prompt attention and delivery. Immediate needs should be provided by hand baggage. New students will be met at the depot upon request.

### CAMPUS AND BUILDINGS

The College has a forty-acre pine-clad campus, surrounded by one hundred and fifty acres of beautiful, rolling natural forest, owned by the institution. The buildings consist of McMillan Hall and Murray Memorial Chapel, Ballard Hall, the gymnasium, the president's house, and two professors' cottages. The College has a library of ten thousand volumes. Chemistry, physics, biology, and home economics laboratories, adequate to meet the needs of the institution, are maintained. The administration offices are now in Ballard Hall.

### ENDOWMENT

Besides the income from tuitions and fees Whitworth has a growing productive endowment. A campaign has

## EXPENSES

been under way for some time for the purpose of securing an adequate endowment. In the initial campaign the city of Spokane subscribed \$91,000. Likewise, the Synod of Washington has been making contributions from year to year for the support of the College. The Synod, which met at Everett in July, 1927, voted unanimously to back Whitworth permanently, both in buildings and for maintenance. Likewise the General Presbyterian Board of Education is contributing \$5,000 per year to Whitworth College. The Board of Trustees has voted a budget of \$60,000 to meet the needs of Whitworth for the coming year.

### COLLEGE EXPENSES

#### I

The College year is divided into semesters of eighteen weeks each. For business purposes only, each semester is divided into two terms of nine weeks each. *All bills are payable in advance at the opening of each term.* A student entering any time during the first month of the term will be charged tuition and fees for the whole term. Students withdrawing during a term will not be given a refund of tuition and fees. No reduction on board will be given for absences of less than one week.

#### II

##### TERM CHARGES:

Tuition, 8-15 hours .....	\$30.00
Room and Board (two in a room) .....	72.00
Incidental Fee .....	4.00
Library .....	3.50
Associated Students .....	5.00
Excess Hours, above 15, per hour .....	2.50
Students carrying less than 8 hours, per hour .....	4.00
Late Registration Fee .....	1.00
Single Room, when possible, extra .....	5.00

## WHITWORTH COLLEGE

### SUMMARY OF YEARLY EXPENSES FOR DORMITORY STUDENTS:

Tuition .....	\$120.00
Room and Board .....	288.00
Special Fees .....	50.00
Minimum .....	<u>\$458.00</u>

### SUMMARY OF YEARLY EXPENSES FOR OTHER STUDENTS:

Tuition .....	\$120.00
Special Fees .....	50.00
Minimum .....	<u>\$170.00</u>

The minimum expenses would be increased as the student participated in college activities beyond the normal load.

There is a matriculation fee of \$5.00 payable by all entering students. This fee is paid but once.

Graduation fee \$10.00.

Fees for music, laboratory, and some other courses are given under description of courses.

The Associated Students' Fund is used for athletics, debates, Christian service work, student publications, oratorical contests, etc., on vote of the student representatives, subject to the approval of the Faculty Manager.

### III

Room only, per week (two in a room) .....	\$2.50
Board only, per week .....	5.50
Single meals:	
Breakfast .....	.25
Lunch .....	.30
Dinner .....	.50

### IV

#### PERSONAL EXPENSES EXTRA

Students using extra lights and electrical appliances will be subject to regulation and charges.

## DORMITORY REGULATIONS

One person in a room will be allowed two electric lights; two persons, three electric lights. For additional lights or electrical appliances, an extra charge will be made.

The use of electric irons or hot plates is not permitted in dormitory rooms.

No student will be given a transcript of grades or a diploma until *all college bills are paid*.

### V

## DORMITORY REQUIREMENT

Students not residents of Spokane, unless living with relatives or working for their board and room, live in the college dormitories.

Dormitory students are expected to provide:

1. Three table napkins.
2. A napkin ring.
3. Three sheets, approximately  $1\frac{1}{2}$  by  $2\frac{1}{2}$  yards.
4. Two pillow-slips, a pillow and a bedspread.
5. The necessary blankets, comforters, towels, bureau covers, curtains, rugs, and individual drinking cup.

## DORMITORY REGULATIONS

The students living in dormitories are expected to pay for their personal laundry, including bed linens, towels, window curtains. Bed linens must be kept clean and room in good order.

Some laundry may be done in the dormitories by the students, subject to the dormitory regulations.

Bedding should be sent several days in advance, by parcel post, addressed to the owner, at Whitworth College. The college cannot supply students with bedding.

The dormitories and college halls will be closed throughout the Christmas vacation period beginning at 4:00 p. m. on Tuesday, December 20, and ending Tuesday afternoon, January 3.

## WHITWORTH COLLEGE

The college dining hall will be open for dinner Monday, September 12, and closed after the luncheon hour on Friday, June 2.

Students entertaining guests at the college must secure guest's registration at the office.

### SELF SUPPORT

No capable young man or woman in good health, who is determined to secure a college education, need fail in the attempt. Opportunities for work in town occur chiefly in domestic and office assistance, personal service of various kinds, canvassing, clerking and manual labor. The college employs a limited amount of help; and any money earned for services rendered the College during the first, second, or third terms will be allowed on the bills of the second, third or fourth terms. *The student should be prepared to pay in full all fees including room and board, and books, for the first term*—about \$145.00 in all, for dormitory students, which will give a small balance for personal expenses. In the case of students who are wholly self-supporting the College reserves the right to limit the number of hours carried to one hour less of class work for each three hours per day of outside work.

### SCHOLARSHIPS AND PRIZES

A limited number of scholarships are available under certain conditions of scholastic attainment and Christian character. In 1931-32 the following were given:

1. The Alaskan scholarship of \$60.00 given to a young man who is a member of the Presbyterian Church.

2. The James Silliman scholarship of \$50.00 given to a worthy student.

3. The McClure tuition scholarships of \$300.00.

4. Beginning with 1912-1913, the "W. R. Ballard Oratorical Contest" was established with the first, second, and third prizes of \$30, \$20, and \$10, respec-

## STUDENT ORGANIZATIONS

tively. This is made possible by the generous provision of Captain and Mrs. W. R. Ballard of Seattle; and is being continued by Mrs. Ballard, since the death in 1929 of Mr. Ballard.

5. Beginning with 1928-29 the "Freshman Oratorical Contest" was established with the first and second prizes of \$10 and \$5, respectively, provided by Rev. W. L. Killian, D. D., Portland, Ore.

6. Beginning with 1929-30 there will be an annual prize of ten dollars (\$10) offered for the best original piece of written work appearing through the year in either the Whitworthian or the Natsihi, the same to be decided by a committee of the faculty appointed by the president of the college. This will be known as "The Freddie and Sallie Prize" and will be furnished by Phillip Laurie and Lillian G. Brown, both of the class of 1928.

### LOAN FUNDS

The Whitworth College Student Rotary Loan Fund is made up of the following:

Hedley A. Vicker Fund.....	\$517.76
Mrs. Gertrude Mather Fund.....	100.00
First Presbyterian Church, Wenatchee....	60.00
First Presbyterian Church, Northport....	50.05
Rev. and Mrs. W. L. Livingston.....	35.00
Dr. and Mrs. C. W. Hays.....	25.00
	<hr/>
	\$787.81

### STUDENT ORGANIZATIONS AND ACTIVITIES

1. The Students' Association is the general organization of the student body. Voting members are those who have paid all their fees for the term. Membership entitles the student to a subscription to "The Whitworthian and Natsihi," admission to games played on the home grounds, and a voice in the regulation and promotion of the student association activities. The president and the vice president of this association are

## WHITWORTH COLLEGE

standing merit toward the College and its activities and spirit. Members of the Club may secure and wear the "W. H. C." pin.

13. Inter-scholastic debates and oratorical contests are encouraged and participated in by Whitworth students.

14. The Whitworth College Pep Band is an organization of musicians who wish to practice band music and perform at pep rallies, athletic contests, banquets, and chapel programs, throughout the year.

15. The Pirette Club is an organization of girls who are interested in creating and promoting pep and enthusiasm for all college activities, and in being of service to Whitworth in every way possible.

Owing to the limited number of students and the advisability of offering equal social opportunities to all, Whitworth has decided to exclude fraternities and sororities for the present.

## RELIGIOUS LIFE

Religious life at Whitworth College is inspirational and helpful. The Bible is one of the text books of the institution and every student includes certain Bible courses in his requirements for graduation. Each day a brief Chapel is held which every student attends. Many prominent speakers were secured to give addresses at the college during the year.

All students are expected to attend two religious services each Sunday, one of which should be a regular preaching service. Whitworth community supports a Sunday School service and students are cordially invited to attend. The students conduct a Wednesday evening prayer meeting. A Christian Endeavor meeting is held in the College Chapel Sunday evenings. All dormitory and nearby resident students are expected to attend unless attending church elsewhere.

## ADMINISTRATION

### SOCIAL LIFE

There are many enjoyable recreational and social events scattered throughout the year, such as: student mixers, faculty receptions, all-Whitworth day, the Hal-lowe'en Party, the Colonial Party, and the girls' April Frolic, May Festival, besides various class functions and other social events and entertainments. Most Friday evenings are reserved for social functions. The life of the students in the dormitories is particularly friendly and wholesome.

### TO NEW STUDENTS

Students coming to Whitworth College for the first time should plan to come Tuesday, September 13, the opening day of the semester, in order to conclude all necessary arrangements before class instruction begins. Reservation of rooms should be made in advance through the College office. Upper classmen will be given preference in the matter of room assignments. All students must be prepared to pay all bills of the first term in advance. Young women expecting to live in the dormitory should report direct to the dean of women upon arrival, and the young men to the dean of men. Others report first to the office.

All freshmen should be on the campus by Tuesday, September 13, and must be not later than Wednesday morning, September 14. The attention of parents is urgently called to the importance of this requirement.

Beginning Wednesday afternoon, lectures, individual conferences, and placement tests will be arranged for the purpose of helping each freshman to take up college work under the most favorable conditions. There will be a fee of 50c to cover the cost of material.

## ADMINISTRATION

College regulations are for the purpose of co-ordinating the life of the students in such a way as to insure scholastic efficiency and wholesome and enjoyable com-

## WHITWORTH COLLEGE

munity life. The care which a college throws around its students is an index of its cultural status.

The interest and co-operation of the student himself is enlisted in every way possible in support of the ideals of the institution. Conduct which marks and distinguishes the cultured man or woman, together with a proper reverence for the Christian ideals of the College, is expected of every student.

Each student organization selects, and reports its selection to the dean of the college, a member of the faculty as an honorary member to advise with the organization and faculty in promoting mutual understanding and the best interests of the institution.

Mixed dancing, the use of playing cards, gambling, and smoking are not allowed on the campus. It is understood that the campus extends wherever the name of Whitworth is used.

Dormitory regulations cover such matters as study hours, order in the halls and rooms, absence from the campus, chaperonage, parties on the campus, and student conduct in general.

Day students are not permitted to visit or to study in the dormitories without consent of the dean in charge.

The College reserves the right to exclude students whose conduct is considered out of harmony with the standards of the institution.

## GRADES AND POINTS

Grades: A represents 100-96; B, 95-88; C, 87-78; D, 77-70; I, Incomplete; F, Failure; and W, Withdrawal.

Points: A counts 3; B, 2; C, 1; D, 0; W, 0; I, 0; and F,—1. Perfect chapel attendance counts 1.

An "Incomplete," if made up within the following semester of residence, will receive the number of grade points corresponding to the final grade given. If not

## ADMINISTRATION

made up within that semester, it becomes an "F." A "W" will be granted to a student who withdraws from class, providing he is making a passing grade in that subject at the time of his withdrawal and has written permission from the instructor and the dean of the college. Otherwise he will be marked "F" in the subject.

## ATTENDANCE

Each student is granted an "excused absence" by the Dean of the College according to the number of hours in the course, i. e., 2 for a 2-hour course, 3 for a 3-hour course, etc., for the semester. For these absences, no grade points will be deducted, provided the work is made up to the satisfaction of the instructor in charge. All other absences will be unexcused by the Dean, except in cases of sickness and those of special duty for the College. This regulation applies to Chapel attendance.

Students wishing to procure an excuse for absenting themselves from class or from chapel will present in writing, within twenty-four hours after their return to college, their reasons for absence, as follows: women to the dean of women, and men to the dean of the College.

Students receiving excuse slips will present them to their respective instructors on their return to class.

The action of the deans will be final in each case.

## SCHOLARSHIP AND REPORTS

Parents or guardians of Freshmen or special students will be notified of unsatisfactory or failing work at the end of the first term of each semester, and any student failing in two-thirds of his class work will be automatically dropped from the college at the end of the term. At the end of the sophomore year a student whose grade points do not equal his semester hours may be dropped from college.

## WHITWORTH COLLEGE

### HONORS

Four classes of honors are recognized at Whitworth College.

1. Term and semester honors: Granted to students carrying fourteen semester hours of work and making twenty-nine grade points. Students carrying more than fourteen semester hours must make two additional points for each additional semester hour, in order to win honors. Perfect chapel attendance adds one grade point for the semester.

2. Class honors: The class receiving the highest general average for the term will be entitled to receive the W. L. McEachran Class-Trophy to hold for the succeeding term.

3. Year honors: Granted to students making first and second semester honors entitling such students to honorable mention at commencement exercises.

4. Graduation honors: A student will be graduated *cum laude* if he has won an average of two grade points; *magna cum laude* if he has won an average of two and one-half grade points; and *summa cum laude* if he has won an average of two and nine-tenths grade points. To win graduating honors a student must have been in residence at Whitworth three of his four college years. The required points are based on 124 semester credit hours for graduation.

### ADMISSION REQUIREMENTS

Graduates of accredited high schools, who are in the upper three-fourths of the graduating class are admitted to full Freshman standing. In special cases, students from the lower one-fourth of the class will be admitted on probation. Those not graduates of accredited high schools may gain admission for full freshman standing by passing the College Entrance Board examinations.

On or before registration the student must present or have sent to the College a testimonial of good character

## ADMISSION REQUIREMENTS

from his school principal or his church pastor and a transcript of all subjects pursued in his high school course, together with a statement or other evidence of graduation.

Thirty high school credits are required for entrance. A credit stands for five recitations or laboratory periods per week pursued for a semester. Recitation periods of 45 minutes, laboratory periods of 90 minutes and a semester of 18 weeks are considered minimum requirements.

The following subjects are the usual requirements for entrance to colleges of the Northwest Association, and the same are required for entrance to Whitworth:

1. Three years of English.....6 credits
2. Two years of Mathematics:
  - Algebra .....2 credits
  - Plane Geometry .....2 credits
3. \*Two years of Foreign Languages.....4 credits
4. One year in American History and Government .....2 credits
5. One year in a laboratory science.....2 credits
6. Twelve additional credits from subjects accepted by an accredited high school. Not more than eight credits may be offered from vocational subjects.

Definite laboratory work is required in biology, chemistry, and physics.

\*Deficiencies in foreign languages and laboratory science may be added to the curriculum prescription and college credits will be given for such courses, providing thirty high school credits have been presented for entrance. Other deficiencies must be made up without college credit.

## WHITWORTH COLLEGE

### REQUIREMENTS FOR GRADUATION

The College year is divided into two semesters of eighteen weeks each. A semester hour consists of one hour per week of lecture or recitation pursued for a semester. Two to three hours of laboratory work is equivalent in credit to one hour of lecture or recitation. One hour of lecture or recitation pre-supposes at least two hours of preparation on the part of the student.

Fifteen hours is the usual load carried in the collegiate department. Without special action of the faculty a student may not carry more than sixteen hours of college work, except in case of honor students, who may carry eighteen hours.

In order to graduate, a student must earn at least 124 semester hours of college credit, and he is also required to earn an equal number of grade points.

A reading knowledge of one foreign language is required for graduation after 1933. This will be determined by special examination taken any time during the course but not later than the last term of the Junior year.

### SPECIAL REQUIREMENTS

The following courses are required of all students who expect to receive a college degree:

English 1 and 2 required in the Freshman year 6 hours

Laboratory Science (Chemistry, Biology, or

Physics) 10 hours

History or Social Science 5 hours

Foreign Language (See note) \_\_\_\_\_

Religious Education 8 hours

Psychology 3 hours

Philosophy 2 hours

Physical Education 4 hours

Upper division courses, at least 40 hours

NOTE—Students entering College without any foreign language (Latin, Greek, French, German, or an equivalent in language) are required to take two years of foreign language in college.

## MAJORS AND MINORS

### MAJORS

The student must elect a major course not later than the close of the Sophomore year. A major shall consist of not less than twenty-four nor more than forty hours in any one department. The head of the department in which the student is majoring acts as adviser to that student. Majors in the following departments lead to the A. B. degree: Classical Languages, two minors required; Education, one additional major and one minor; Social Science, one additional major and one minor; English; History; Modern Language; Music; Public Speaking, a major in English and one minor; Christian Education, one additional major and one minor; B. S. degree: Biology; Chemistry, Mathematics.

### MINORS

The student must elect at least one minor study which is to be approved by the head of the department in which the major is taken. A minor may be taken in any of the major departments and in addition may be taken in Home Arts, Physics, and Political Science. A minor consists of not less than 16 hours.

### CLASSIFICATION

Students credited with a minimum of the following semester hours will be promoted to a higher classification:

Freshman to Sophomore, 28 hours and 28 grade points.

Sophomore to Junior, 60 hours and 60 grade points.

Junior to Senior, 90 hours and 90 grade points.

### DEGREES GRANTED

The degrees of Bachelor of Arts and Bachelor of Science are granted, according to the courses pursued.

## Vocational and Pre-Professional Courses

Primarily Whitworth College is a Liberal Arts institution giving a broad, cultural background for a virile Christian citizenship. At the same time the curricula are so arranged that its students are trained for definite vocations such as Teaching, Business, Civil Service, Music, Journalism, Physical Education, Home Arts, and Director of Religious Education. Provision is also made to prepare those students who desire to go into some technical work to get an adequate Pre-Professional training. Pre-Professional courses are offered in Theology, Law, Medicine, Pharmacy, Dentistry, Nursing and Engineering in its several branches. Full four years of study are required for the vocational courses completed at Whitworth College. The Pre-Professional courses may be completed in two years, but the tendency is in the better class of professional schools, especially Law, Medicine, and Theology, to require a full four years course in the Liberal Arts college. If the student has determined which profession he wishes to enter, his college course at Whitworth can be arranged accordingly.

*Vocations for which students may be prepared:*

Teaching  
Business  
Civil Service  
Music  
Journalism  
Physical Directors  
Home Arts  
Directors of Religious Education

## COURSES OF INSTRUCTION

### *Pre-Professional Courses:*

Theology  
Law  
Medicine  
Pharmacy  
Dentistry  
Nursing  
Engineering

Courses in all these subjects will be outlined for students in conference with the Dean and the heads of the various departments as shown in the following schedules. One year non-credit courses in Typing and Shorthand are offered to all students desiring them.

The following Vocational and Pre-Professional courses may be had in Whitworth College:

## BUSINESS ADMINISTRATION

Students interested in Business Administration are advised to take the following subjects as offered at Whitworth College. Those desiring a more technical training in some particular line of business administration should transfer to a technical school after having finished two years of the course in Business Administration. One year non-credit course in typing and shorthand is offered.

### FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
English .....	3	English .....	3
Religious Education .....	2	Intro. to Sociology .....	5
Principles of Economics .....	5	American Econ. Hist. ....	3
Intro. to Business .....	3	Pub. Speaking or Music .....	2
Physical Education .....		Physical Education .....	
Electives .....	2	Electives .....	2
	<hr/> 15		<hr/> 15

# WHITWORTH COLLEGE

## SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Business Law .....	3	Marketing .....	3
Insurance .....	2	Group Behavior .....	2
Psychology .....	3	Electives .....	10
Religious Education .....	2	Physical Education .....	—
Electives .....	5		15
Physical Education .....	—		
	16		

## PRE-DENTAL COURSE

The following curriculum is recommended for the pre-professional work in dentistry:

### FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
English .....	3	English .....	3
General Chemistry .....	5	General Chemistry .....	5
Religious Education .....	2	Music or Public Speaking .....	2
Economics .....	5	Sociology .....	5
Physical Education .....	—	Physical Education .....	—
	15		15

### SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Physics .....	5	Physics .....	5
Organic Chemistry .....	5	Organic Chemistry .....	5
Psychology .....	3	Religious Education .....	2
Physical Education .....	—	Physical Education .....	—
Electives .....	2	Electives .....	3
	15		15

## PRE-ENGINEERING COURSE

The following subjects are recommended for pre-engineering. Students making a better than average grade in pre-engineering work will be able to complete their engineering degree in some of the best engineering schools with two years of additional work. It would

## COURSES OF INSTRUCTION

take longer for others to complete the requirements for the engineering degree, depending upon their ability. Other schools may require three more years of engineering work for the degree, while some schools require that the full four years be spent with them.

### Suggested Program for Pre-Engineers

FIRST YEAR	I	II
Math. 11-12—General Mathematics.....	5	5
Chem. 1-2—General Chemistry .....	5	5
Physics 3-4—Engrg. Drawing .....	2	2
English 1-2—Freshman English.....	2	2
R. E. 1—Religious Education.....	2	0
P. S. 1—Speaking Voice.....	0	2
Phy. Ed. ....	—	—
	<hr/> 17	<hr/> 17

SECOND YEAR	I	II
Math. 51-52—Calculus .....	4	4
Phys. 11-12—General Physics.....	5	5
Phys. 16—Surveying .....	0	3
Phys. 15—Descr. Geometry .....	3	0
R. E. 3—Religious Education.....	2	0
Phy. Ed., Elective.....	3	5
	<hr/> 17	<hr/> 17

## PRE-MEDICAL AND PHARMACY COURSE

The following four-year curriculum is recommended for the pre-professional work in medicine and pharmacy:

### FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
General Chemistry .....	5	General Chemistry .....	5
English .....	3	English .....	3
German or French.....	3 or 4	German or French.....	3 or 4
Religious Education .....	2	Speaking Voice .....	2
Electives .....	2	Electives .....	2
	<hr/> 16		<hr/> 16

# WHITWORTH COLLEGE

## SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Qualitative Analysis .....	5	Quantitative Analysis .....	5
German or French .....	3 or 4	German or French .....	3 or 4
Biology .....	5	Biology .....	5
Religious Education .....	2	Pub. Speak or Music .....	2
<hr/>		<hr/>	
15 or 16		15 or 16	

## JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Organic Chemistry .....	4	Organic Chemistry .....	4
Physics .....	5	Physics .....	5
Economics .....	3	Physiological Chemistry .....	4
Cytology .....	3	Histology .....	3
<hr/>		Electives .....	
15			

## SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Economics .....	5	Embryology .....	4
Religious Education .....	2	American Government .....	5
Comparative Anatomy .....	4	Comparative Anatomy .....	4
Electives .....	4	Religious Education .....	2
<hr/>		<hr/>	
15		15	

## NURSES' TRAINING COURSE

Graduate nurses who have had three years' training in a recognized hospital, may complete their B. S. degree by taking two full years of work at Whitworth College. It is recommended that the following curriculum be followed:

### FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
General Chemistry .....	5	General Chemistry .....	5
English Composition .....	3	English Composition .....	3
Economics, History, or		Economics, History, or	
Sociology .....	5	Sociology .....	5
Religious Education .....	2	Religious Education .....	2
<hr/>		<hr/>	
15		15	

## COURSES OF INSTRUCTION

### SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Subjects</i>	<i>Hours</i>	<i>Subjects</i>	<i>Hours</i>
Zoology .....	5	Zoology .....	5
Public Speaking .....	3	Public Speaking .....	3
English Literature .....	3	English Literature .....	3
Psychology .....	3	Adolescence .....	3
Approved Electives .....	3	Approved Electives .....	3
	17		17

## DESCRIPTION OF COURSES

Departments are arranged in alphabetical order. The list of courses numbered from 1 to 49 are courses open primarily to Freshmen and Sophomores and are designated as lower-division work. The courses listed as 50 or above are open in most all cases only to Juniors and Seniors and constitute upper-division work. Odd numbers, as a rule, refer to first semester courses, and even numbers to second semester work. The term "hour" means a semester hour of credit. Laboratory courses involve from two to three hours of laboratory work for one semester hour of credit. Courses starred are not given in 1932-33 except when circumstances may require; and others may be withdrawn if enrollment in that course is too small.

### BIOLOGY

#### Dr. Hedrick

Major: 38 hours required, including courses 1, 2, 6, 11, 12, 14, 51, 52, 61, 62, 81. It is recommended that majors in Biology take first year Chemistry, first year Physics, and first year Mathematics. Laboratory fee of 75 cents per term hour.

#### 1-2. GENERAL BOTANY *Five hours each semester*

A study of the form, structure, activities, distribution and biology of plants. Special attention is given to the origin and reproduction of economically important plants and commercial plant products. Structural development of algae, fungi, and ferns,

## WHITWORTH COLLEGE

noting the complexity of form, structure, and methods of reproduction from the one-celled plant to the highest type of seed-bearing plant. Special attention is given to parasites and pathological forms in the immediate vicinity. At the end of the year projects in care and arrangement of plants will be arranged for, and field trips for identification of local flora, weeds, and shrubs, will be taken from time to time. Fresh and preserved plant material is supplied for compound microscopic work. Charts, slides, and reagents are used for class and laboratory work. There are two lecture periods of one hour each, and three two-period laboratory sections per week. Each student is expected to plan for two hours each week for extra work. This will be scheduled to suit the individual student.

### \*6. TAXONOMY *Two hours one semester*

The classification of the higher plants. The local flora is studied on field trips and by making herbaria. Prerequisites: Biology 1 and 2.

### 11-12. GENERAL ZOOLOGY *Five hours each semester*

A study of the principles of animal biology, involving morphology and physiology of the cells, tissues, and organs; cell division; genetics, and taxonomy. In the laboratory, dissections are made of representative types of the various phyla. Demonstrations and laboratory work give a general knowledge of the structure of various organisms, along with the study of charts, preserved and fresh specimens, and the use of slides and compound microscopes. A laboratory note-book, for lectures and drawings is required. Field trips for the identification and collection of various types studies. Two lecture periods and three two-hour laboratory periods a week are given, and outside work such as library work, papers, and special reports, are required. Each student is expected to plan for two hours each week for extra work. This is scheduled to suit the individual student.

### 14. ORNITHOLOGY *Two hours one semester*

A study of the structure, habits, adaptation, distribution, classification, and economic value of birds. Field trips are taken to identify the local birds. Each student will be expected to identify birds as provided in the laboratory from mounts. A study of nesting habits and types of nests is made. One lecture and one two-hour laboratory period given weekly. Outside reading, reports, and papers required weekly.

### 51-52. GENERAL PLANT PHYSIOLOGY

*Three hours each semester*

A study of the physiological processes of plants. An introductory experimental course. Prerequisites: Biology 1 and 2. Chemistry 1 and 2.

## COURSES OF INSTRUCTION

61. CYTOLOGY *Three hours one semester*  
The animal cell, its structure and activities with reference to the problem of reproduction and genetics. Prerequisites: Biology 11 and 12.
62. HISTOLOGY *Three hours one semester*  
Microscopic structure of the tissues and organs of mammals. Fixing, imbedding, sectioning, staining, and mounting of permanent specimens. Prerequisites: Biology 11 and 12, also Biology 61.
- \*71. EMBRYOLOGY *Four hours one semester*  
The principles of embryology as illustrated in the development of the chick and the pig. Prerequisites: Biology 11, 12, 61 and 62.
- \*72. COMPARATIVE ANATOMY OF VERTEBRATES *Four hours one semester*  
A comparative study of the systems found in the vertebrate body. Prerequisites: Biology 11, 12, and 62.
- \*81. METHODS IN BIOLOGY *Two hours one semester*  
A course for majors who expect to teach.

## CHEMISTRY

Mr. Neustel

Major: 38 hours required, including courses 1, 2, 11, 12, 53, 54, 63, 64, 71. In addition to the special requirements, majors are required to have a reading knowledge of German, 10 hours in Mathematics, and 10 hours in Physics. Laboratory fee of \$1.00 per term hour except courses 71 and 72. Breakage deposit of \$5.00 per semester.

### 1-2. GENERAL CHEMISTRY *Five hours each semester*

The fundamental principles of the science. The occurrence, preparation, physical and chemical properties, essential compounds and the reactions of the most important elements are studied in the laboratory and lecture. Includes the elements of qualitative analysis.

## WHITWORTH COLLEGE

### 11. ADVANCED QUALITATIVE ANALYSIS

*Five hours one semester*

Systematic analysis of the metals and the acid radicals. Students will be required to analyze fifteen unknowns. Prerequisite: Chemistry 1 and 2. Two lectures and three laboratory periods.

### 12. QUANTITATIVE ANALYSIS

*Five hours one semester*

Gravimetric and volumetric analysis of standard laboratory compounds. Prerequisites: Chemistry 1 and 2. Two lectures and three laboratory periods.

### 51-52. ADVANCED QUANTITATIVE ANALYSIS

*Two hours each semester*

A laboratory study of the more difficult methods of analysis. Prerequisite: Chemistry 12. Two laboratory periods.

### 53-54. ORGANIC CHEMISTRY

*Four hours each semester*

A study of the aliphatic and aromatic compounds of carbon with the laboratory preparation of typical group representatives. Prerequisite: Chemistry 1 and 2. Two lectures and two laboratory periods.

### \*55-56. ORGANIC PREPARATIONS

*Two hours each semester*

A laboratory study and preparation of different types of organic compounds. Two laboratory periods.

### \*61. CHEMISTRY OF FOODS

*Four hours one semester*

Chemical composition of foods and the detection of preservatives and adulterants. Prerequisite: Chemistry 12. Two lectures and two laboratory periods.

### \*62. PHYSIOLOGICAL CHEMISTRY

*Four hours one semester*

The occurrence, synthesis, assimilation and metabolism of the three great groups of food substances. Prerequisite: Chemistry 53 and 54. Two lectures and two laboratory periods.

### 63-64. PHYSICAL CHEMISTRY

*Four hours each semester*

Theories and principles of chemistry accompanied by physico-chemical measurements. Prerequisites: One year college physics, one year of mathematics and chemistry 12. Two lectures and two laboratory periods

## COURSES OF INSTRUCTION

### \*71. HISTORY OF CHEMISTRY

*Two hours one semester*

A study of the development of the science of chemistry. Two lecture periods.

### \*72. METHODS OF TEACHING CHEMISTRY

*Two hours one semester*

Required of majors who expect to teach.

## CHRISTIAN EDUCATION, BIBLE AND PHILOSOPHY

**Dr. Countermine**

Major: Twenty-four hours, including Philosophy No. 52 and Public Speaking No. 9, with an additional major, or two minors, one in history and one in social science or English, arranged after consultation.

### 1. OLD TESTAMENT HISTORY

*Two hours one semester*

This course, which is required of all freshmen, covers nearly one-third of the Bible narrative. It begins with creation and ends with the Babylonian captivity. It will be seen that there is too much material to be mastered in thirty lessons; hence portions of this history will be over-viewed in the form of lectures that the student may be able to trace the plan and purpose of God in this divine economy.

### 2. INTERPRETATION OF O. T. HISTORY

*Two hours one semester*

Supplements No. 1, using the Epistle to the Hebrews as the key to the interpretation of the most important portions of Old Testament history. It aims to bring before the student the practical application of his knowledge of Old Testament history.

### 21. LIFE AND TEACHINGS OF CHRIST

*Two hours one semester*

A close study of one of the Gospels, preferably Luke, with assigned collateral reading. Required of sophomores.

### 22. THE GOSPEL AND ITS INTERPRETATION

*Two hours one semester*

This course is a continuation of No. 21, dealing principally with the mission and work of Jesus, using the Gospel of John as the basis and general outline of the course. Collateral reading.

## WHITWORTH COLLEGE

### 51. HISTORY OF THE EARLY CHURCH

*Two hours one semester*

A study of the founding, development, and extension of the Christian Church, based on the Acts of the Apostles and the Epistles of the New Testament. Required of upper classmen, preferably juniors.

### 52. LATER DEVELOPMENT OF THE EARLY CHURCH

*Two hours one semester*

A more intensive study of one or more of the Pauline Epistles, projecting the course into the history of the first century of the Church and the rise of Christian Missions. Collateral reading.

### 55. HISTORY OF THE ENGLISH BIBLE

*Two hours one semester*

The story of the English Bible. A history of the leading manuscripts, the various versions, and the revisions now in use. In addition to this work, a portion of the semester will be devoted to Bible Geography and Oriental customs and habits. Required of upper-division students.

### 56. HEBREW LITERATURE

*Two hours one semester*

An interpretative study of selected portions of the Bible with the aim to introduce the student to certain sections of this sacred literature that he may gain an appreciation of the beauty of thought, the lofty ideals, and the deep spiritual insight of the writers who were chosen and inspired of God for this noble work.

### 57. PROPHECY

*Two hours one semester*

A careful study of that eternal plan by which God has rendered certain all events, by which He has ordered that nothing happens by mere chance. The Bible is used as the textbook.

### 60. BIBLICAL ARCHEOLOGY

*Two hours one semester*

An introductory study of the information afforded by ancient and modern excavations. Collateral reading.

## PHILOSOPHY

### \*51. LOGIC

*Two hours one semester*

An introduction to the science and art of right thinking. The course is intended to lay foundations of careful habits of thought in all subjects. It has particular reference to skill and accuracy in language, science, and argumentation.

## COURSES OF INSTRUCTION

### \*52. ETHICS

*Two hours one semester*

A study of ethical principles and their application to various problems in individual and social life. Thruout all history men have been keenly interested in moral issues. Justice and fair play, honor and loyalty, rights and duties must have high and noble standards or our civilization is jeopardized.

### 53. INTRODUCTION AND HISTORY OF PHILOSOPHY

*Two hours one semester*

A survey of the history of philosophy beginning with Thales, emphasizing particularly Socrates, Plato, and Aristotle; giving a general knowledge of all the leading philosophers up to and including the Renaissance period.

### 54. PHILOSOPHY OF THE RECENT PAST

*Two hours one semester*

A continuation of 53, but may be taken independently. An outline of European and American philosophy, including Darwinism, Positivism, Spiritualism, Idealism, Nietzsche and Vitalism, James and Pragmatism, Santayana and Realism, and tendencies of the immediate present.

## CLASSICAL LANGUAGES

**Dr. Hays**

Major: 24 hours, an additional major, or 2 minors, arranged after consultation. Latin I and II do not count on a major.

The purpose of this department is to enable the student to read Greek and Latin with some ease and pleasure and to acquaint him with some of the masterpieces of the literature of these languages.

The social and religious ideas of these peoples, as shown by their writings, will be discussed and compared with our own times. The fact that both languages have contributed very largely to the English vocabulary will be given much attention, and the enrichment of the student's own vocabulary will be emphasized. The use of words to express concepts will be studied and the changing of the meaning of terms, when carried over into other realms of thought or as shown

## WHITWORTH COLLEGE

simply in the course of time, will be considered. Especially will this be noted in the case of New Testament Greek.

Students who have not had any Latin before entering college are advised to take at least two years of this work as a help in their study of English. Those who feel that they may possibly teach Latin are urged to take at least one year of Greek; for experience shows that a working knowledge of Greek is a great help in teaching Latin.

### Greek

#### 1-2. ELEMENTARY GREEK *Four hours each semester*

Special emphasis will be placed on grammar and vocabulary. The fourth term will be devoted largely to reading and to a review of the year's work.

#### 51. XENOPHON'S ANABISIS *Three hours one semester*

Selections from the first four books will be read, sight reading will be emphasized, and some collateral reading of the history of Xenophon's time and selections of contemporary authors, in translation, will be considered.

#### 53-54—HOMER'S ILIAD AND ODYSSEY

*Three hours each semester*

Selections will be read in the original, others in translation, and the influence of Greek literature on the Latin and modern writers will be considered.

#### 55-56. NEW TESTAMENT IN GREEK

*Three hours each semester*

Selections from the New Testament will be studied and the meaning of some of the more important words carefully considered. Some of the ancient versions and manuscripts will be discussed and the findings of archaeology will be noted.

#### 57-64. OTHER WORKS IN GREEK, AS PLATO, SOPHOCLES, ETC., WITH A STUDY OF GREEK LIFE AND LITERATURE.

*Two or three hours*

## COURSES OF INSTRUCTION

### Latin

#### 1-2. BEGINNING LATIN *Three hours each semester*

This is offered for students who have not had Latin. A semester and a half will be given to the elementary work. The fourth quarter will be spent in reading Roman stories and some of Caesar.

#### 3-4. CAESAR AND CICERO *Three hours each semester*

The first semester will be a continuation of the fourth quarter of the previous year. Selections from Caesar's commentaries will be read, grammatical principles reviewed, vocabulary emphasized, sight-reading required, and other Roman literature discussed. In the second semester Cicero or some other author will be studied.

#### 5-8. THE AENEID AND OVID

*Three hours each semester*

#### 51-60. LATIN LITERATURE

*Two or three hours each semester*

These courses will include such authors as Cicero, Horace, Tacitus, Livy, Terence, Plautus, Catullus, and Sallust; their writings will be read as the needs of the students may require.

#### 61. ROMAN LAW *Two or three hours one semester*

A course in Roman Law will be given when desired to those students who have had two or more years of Latin.

#### 62. LATIN COMPOSITION AND TEACHING OF LATIN

*One or two hours*

This course is intended for those students who major in the classical languages, and it is given especially for those who are planning to teach Latin.

## DRAMATIC ART AND PUBLIC SPEAKING

**Mr. Adams**

Major: 32 hours and a major in English and a minor arranged after consultation. Six hours of Shakespeare and the same in drama other than Shakespeare are required in the English department and count upon this major in place of the English major. Should this make more than the required hours in Speech, the extra hours

## WHITWORTH COLLEGE

may be applied to the required English major. Before graduation an entire evening entertainment must be given.

### 1. THE SPEAKING VOICE *Two hours one semester*

This is an endeavor to train the voice as an instrument for speech as it is trained for song. It includes the opening of the throat, proper breathing, phonetics, placement of resonance and muscle control of every tone. Before the class is done the work is really that of Vocal Aesthetics, using three methods of muscle voice control and several methods for the various placements required in various emotions.

### 2. INTERPRETATIVE READING *Two hours one semester*

This class is a continuation of the previous number, using yet more difficult selections for interpretation, and requiring judgment development in analysis of all styles of literature with expression of all the emotions of the human soul.

### 3. SPEECH BEHAVIOR *Two hours one semester*

A study of the principles of personality as expressed in attitude, movement, gesture, pose, etc., with specific drills to establish proper habit and thorough physical control.

### 4. ADVANCED INTERPRETATIVE READING *Two hours one semester*

This includes studies in declamation and dramatic interpretation, in which committed memory work is rendered as for Recital in Lyceum, Chautauqua, or other professional entertainment purposes.

### 5. ARGUMENTATION AND DEBATE *Two hours one semester*

A study of the theory and practice of debate. Practice in finding material, construction of main argument, rebuttal and delivery. Students who are planning entering inter-collegiate debating are advised to take this course.

### 6. DEBATE *One or two hours one semester*

A laboratory course in debating. Only members of the debate squad admitted to this course.

### 8. SCIENCE AND ART OF CONVERSATION *Two hours one semester*

Many hold that conversation is a lost art. There are certainly few good conversationalists. This study gets at the roots of

## COURSES OF INSTRUCTION

conversational faults, systematically develops good qualities in conversation, and cultivates tactful leadership upon helpful topics.

### 9. INTERPRETATIVE BIBLE READING

*Two hours one semester*

Many have failed to realize that some of the greatest literature of the world is contained in the Bible; and many who read from it fail adequately to portray the marvelous pictures and messages there given. This class aims to make scripture reading something more than a formal part of church service, and to develop an appreciation of Bible literature.

### 52. PREPARED AND EXTEMPORE SPEAKING

*Two hours one semester*

Practical public speaking; a study in selection, organization, and presentation of speech material. Practice in prepared and extempore speaking will be given in the class room. Actual public platform work will be required of pupils in this course. In these drills are stressed the ends of speech, and the means toward their accomplishment; recognition of the motives to which we may best appeal, and the elements of all things in which we are interested.

### 53. ADVANCED INTERPRETATIVE READING

*Two hours one semester*

This is the same as Speech 4, except that the studies are more difficult.

### 54. STORY TELLING

*Two hours one semester*

Direct instruction and practice in the telling of stories, relating of anecdotes, planned to interest all kinds of audiences. It is of rare aid in illustration, in private discourses, in after-dinner speaking, and for development of the power to interest and please children.

### 55-56. PRIVATE LESSONS

*One hour each semester*

Private lessons are a necessity in correcting imperfections that are sure to remain after the best of class work. One-half hour periods, \$15.00 extra per quarter.

### 57-58—SCENERY, MAKE-UP AND COACHING

*Two hours each semester*

This training is greatly needed by those who must do such work, as teachers or community leaders. It includes actual practice in play coaching, character make-up and scenery designing.

## WHITWORTH COLLEGE

### 59. ADVANCED INTERPRETATIVE READING

*Two hours one semester*

This is the same as 4 and 53, but gives the most difficult work only. When this work is done the student should be ready for any entertainment platform.

### 60. PRINCIPLES OF EXPRESSION TEACHING

*Two hours one semester*

This course is arranged for those who expect to teach in High School or private studio. Required of all majors.

## EDUCATION

**Dr. Hardwick**

Major: 24 hours, an additional major and minor, arranged by consultation. Students expecting to teach must take at least 16 hours including courses 22, 51, 62, and 63, to meet the requirements of the state board.

### 21. GENERAL PSYCHOLOGY

*Three hours one semester*

A general course required of all students, and consisting of the following: The reaction hypothesis, the receptors, native equipment, sensations and feelings, emotions, the dominant human urges, motivation, adjustment, the laws of learning, perception and attention, thinking, general intelligence, special aptitudes, personality, individuality, and efficiency.

### 22. EDUCATIONAL PSYCHOLOGY

*Three hours one semester*

This course consists of the following: The physical basis of mental life, the stimulus-response concept, heredity and environment, inherited tendencies, motivation of behavior, the higher intellectual responses, sensori-motor perceptual, associative, and ideational learning, economy and efficiency in learning, differences in intelligence and achievement, mental growth, transfer of training, integration of personality.

### 51. HISTORY OF EDUCATION

*Three hours one semester*

A study of the development of ancient, medieval and the beginning of modern secondary education. The systems of Greece, Rome, and that of the Middle Ages, formed under the influence of the Renaissance, are considered with respect to their spirit and content.

## COURSES OF INSTRUCTION

### 52. THE HIGH SCHOOL *Three hours one semester*

This course traces the development of the secondary schools of England, France, and Germany, the downward and upward extension of the high school and the development of the curriculum.

### 53. THE JUNIOR HIGH SCHOOL *Three hours one semester*

Treats of the historical development, aims of the junior high school, the program of studies, the administration, teaching staff, and methods of teaching.

### 54. THE NEW TYPE EXAMINATION *Two hours one semester*

An introduction to educational measurement, a comparison of the new type with the traditional examination, advantages and disadvantages of the objective examinations, construction of objective examinations, statistical treatment, and interpretation.

### 61. TESTS AND MEASUREMENTS *Two hours one semester*

This study includes individual and group intelligence tests and their application to the progress and efficiency of the schools.

### 62. DIRECTING LEARNING *Two hours one semester*

This includes learning exercises and teachers' objectives; motivation, formation of specific habits; the acquisition of knowledge through experience, development, reading, and use; the organization and expression of knowledge, general patterns of conduct, class management, individual differences, projects, measurement of achievement, and lesson planning.

### 63. SPECIAL METHODS IN SECONDARY EDUCATION *Two hours one semester*

A study of the Morrison, Miller, Winnetka, and other methods.

### 64. THE MEASUREMENT OF INTELLIGENCE *Three hours one semester*

A study of individual testing, the early tests of intelligence, the historical background of the Binet-Simon tests, the development of the Binet tests, the problems regarding the use of the tests, and practical experience in giving the tests.

### 65. CHILD STUDY AND ADOLESCENCE *Three hours one semester*

A careful study of the physical, mental and moral development in childhood and adolescence, and the application of the same to the care, training, and education of adolescents.

WHITWORTH COLLEGE

ENGLISH AND LITERATURE

Miss Magill  
Mr. Adams

Major: Courses 1 and 2 do not count on a major. Students majoring in English and expecting to teach it should take at least thirty semester hours. Required courses are 1, 2, 25, 26, 55, 56, 57, 58, 68, and 69.

1-2. ENGLISH COMPOSITION

*Three hours each semester*

A general course in rhetoric and composition, including a review of grammar. The principal aims of the course are (1) clear thinking; (2) correct and effective expression in speaking and writing; and (3) intelligent reading. Many written themes are required. The work is supplemented with reading, in the choice of which the student is allowed considerable latitude. The Department seeks to give that knowledge of the English language and its literature which is necessary as both a practical and a cultural foundation for education. English 1 and 2 are required of all freshmen and are prerequisite to other courses in English.

9-10. INTRODUCTION TO JOURNALISM

*Two hours each semester*

Open to all students who have taken or are taking ENGLISH COMPOSITION. The gathering of news, the writing of news stories and feature articles, the writing of dramatic and other literary criticism, the editing of news, the writing of headlines, and the making-up of the newspaper are some of the subjects that are studied in this course. Practical work on the *Whitworthian*, under guidance, constitutes the main part of the exercises required.

25-26. ENGLISH LITERATURE

*Three hours each semester*

Open to all but freshmen. This course aims to give to the student a comprehensive view of the whole field of English literature and to give the necessary background for more specialized courses. It traces the development of English literature from *Beowulf* to the present. It endeavors, by the study of literary types, to acquaint the student with such principles and standards of good taste as will enable him to read with pleasure and appreciation.

## COURSES OF INSTRUCTION

### 55-56. WORLD LITERATURE

*Three hours each semester*

A study of representative masterpieces of the leading nations of the world. Selections will be studied from the epic, the lyric, the drama, history, biography, philosophy, oratory, literary criticism, satire, and sacred literature.

### 57-58. AMERICAN LITERATURE

*Three hours each semester*

A study of the growth of American literature from its beginning to the present through the work of the principal writers of the successive periods. The aim of the course is to lead the student, through the reading of masterpieces, to realize that literature is a great source of comfort, joy, and inspiration, and to desire to gain a rich cultural background of ideas. The emphasis is upon appreciation.

### 61. THE SHORT-STORY *Two hours one semester*

A study of the technique, types, and history of the short-story; of its characteristics as differentiated by nationality and personality. The course requires the comprehensive reading of world masterpieces and gives some opportunity for writing.

### \*62. THE NOVEL *Two hours one semester*

Primarily a reading course in fiction. This course requires (1) a study of the origin, development, and characteristics of the novel, with emphasis upon the work of modern authors and the tendencies of present-day fiction; (2) a detailed study of at least ten important novels.

### \*65. NINETEENTH CENTURY POETRY *Three hours each semester*

A study of at least twelve of the chief English poets of the Romantic and the Victorian periods. This course is recommended to those who are majoring in English.

### \*67. EIGHTEENTH-CENTURY LITERATURE *Two hours one semester*

A study of the literary and social ideas reflected by the leading poets and prose writers from Swift to Burns, with special emphasis on Dr. Johnson and his group.

### \*68. SHAKESPEARE'S COMEDIES *Three hours one semester*

An intensive study of the chief comedies with a rapid reading of and reports on others. Collateral reading will be required on Elizabethan life and customs. Offered in alternate years.

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### \*69. SHAKESPEARE'S TRAGEDIES

*Three hours one semester*

An intensive study of the chief tragedies with a rapid reading of and reports on others. Collateral reading will be required on Elizabethan life and customs. Offered in alternate years.

### \*70. CHAUCER AND THE MIDDLE-ENGLISH PERIOD

*Two hours one semester*

This course is devoted mainly to the literature of the fourteenth century, with special attention given to the works of Chaucer.

### \*71. ANGLO-SAXON

*Three hours one semester*

An introduction to the study of the history of the English language. The course includes the study of *The Elements of Old English*, by Moore and Knott, and Bright's *Anglo-Saxon Reader*.

### 77-78. INTRODUCTION TO THE DRAMA

*Three hours each semester*

A study of the origin and the development of the drama and of the history of stagecraft and dramatic art. Emphasis will be placed on selected readings from the field. Part of the second semester will be devoted to the rapid reading of contemporary plays.

## HISTORY AND POLITICAL SCIENCE

**Dr. Bowersox**

A major in History consists of 30 hours of work in that subject. Economics 4 may be counted toward a major in History. A minor in History or Political Science consists of 16 hours.

### History

#### 1. MEDIEVAL AND MODERN EUROPE

*Three hours one semester*

A survey of European History from the beginning of medieval times to the eighteenth century. The Medieval States, the Medieval Church, the changing social, economic and intellectual order, form the basis of study of the first half of this course. The Renaissance, the Reformation, and the Age of Louis XIV form the basis of study for the remainder of the course. This course is the basic course for all study of History in the college.

## COURSES OF INSTRUCTION

### 2. MODERN EUROPE *Three hours one semester*

The French Revolution, Napoleonic Era, the Industrial Revolution, the growth of democracy and nationalism in the nineteenth and early twentieth centuries, the World War, its causes and results, together with modern social changes, are the chief topics studied. A written report on some important topic will be required of every student. Prerequisite for this course is History 1.

### 11-12. ENGLISH HISTORY *Two hours each semester*

A survey course of English History from early Britain to modern times, to 1932. The use of Parliamentary power, the expansion overseas, the economic, political, and social development, are the chief movements emphasized. Lectures, readings, reports, and quizzes. The student must take this course both semesters for credit. Prerequisite History 1 and 2.

### \*15-16. UNITED STATES HISTORY

*Three hours each semester*

A survey course in United States History from the time of the earliest exploration to the present time. Emphasis is placed on the English colonies, westward movement, the political, economic and social development of the United States. Primarily for *sophomores*, but *freshmen majors in history* may take it with permission.

### 53. ANCIENT CIVILIZATION

*Three hours each semester*

A survey of ancient civilizations before the reign of Augustus, emphasizing social and political life. Greece and Rome are the nations studied. Open to upper class students.

### 55. EUROPEAN HISTORY SINCE 1900

*Three hours one semester*

A detailed study of European History from 1900 to 1925. The course will deal chiefly with political and economic events, such as the origins of the Great War and the results of the treaties following. Open only to upper class students who have had History 1 and 2. The student is expected to do considerable individual work in the preparation of a term paper.

### 57. UNITED STATES HISTORY 1760-1800

*Three hours one semester*

A study of United States history in the Revolutionary Period, the Confederation Period, and the administrations of Washington and Adams. Special emphasis will be placed on constitutional development. Lectures, reading and reports. Open to upper class students only.

## WHITWORTH COLLEGE

### 58. UNITED STATES HISTORY 1800-1850

*Three hours one semester*

A study of Jeffersonian and Jacksonian Democracy, the rise of nationalism and sectionalism, the expansion of the nation, and the constitutional development under the Supreme Court. Lectures, readings, and reports. Open only to upper division students.

### \*59. CIVIL WAR AND RECONSTRUCTION

*Two hours each semester*

A study of United States History from the Compromise to the withdrawal of troops from the South under President Hayes. The events leading to the Civil War, the diplomatic and financial problems of the War, and the political and social aspects of Reconstruction will be especially stressed. Lectures, readings, and reports. Open only to upper division students.

## Political Science

### 11. AMERICAN NATIONAL GOVERNMENT AND POLITICS

*Three hours one semester*

The theories of government with special emphasis upon the American system, a detailed study of the operations of the national government, and of national parties and elections, are the chief topics dealt with. Primarily for sophomores, but freshman majors may elect the course by permission.

### 12. STATE AND LOCAL GOVERNMENT

*Three hours one semester*

A detailed study of the common features of state constitutions and governmental functions and the local governments studied as functional units of the state government is the plan of this course. At the conclusion of the above study, the government of Washington will be taken up for study for about two weeks. Primarily for sophomores, but freshmen majors may elect this course by permission.

### 45-46. INTERNATIONAL LAW

*Two hours each semester*

A study of the development of International Law, the law of peace, the laws of war and the laws of neutrality, and procedure for the protection of rights, will form the principal topics of study. This course is only open to those students who have had History 1 and 2, and Political Science 11 and 12.

## COURSES OF INSTRUCTION

### \*55-56. EUROPEAN GOVERNMENTS

*Three hours each semester*

A detailed study of the English, French and German governments with a less detailed study of the governments of Switzerland, Italy, Russia, and the Central European States. Open to upper division students who have had History 1 and 2, and Political Science 11.

## HOME ARTS

**Miss Oberholser**

The aim of this department is to provide courses which will give students a working knowledge of the problems of the home and of the community, and a realization of the woman's responsibilities as a home maker and a citizen.

The true home maker needs, not only to be trained in the science, art, and economics of the home, but must have a well-rounded personality with intelligent interests, trained judgments, and cultivated tastes, enabling her to solve successfully the problems of the changing modern homes. with the complex social and civic relationships.

Courses in Biology, Chemistry, Economics, Sociology and Psychology, are advised to complete a well rounded program of work for majors.

Twenty-four hours are required for major.

### 1. FOODS

*Four hours one semester*

The production, distribution, and cost of foods, with emphasis upon the composition, nutritive value, principles of cookery and the place in the diet. Special attention is given to the foods supplying carbohydrates, fats and proteins. The vitamin and ash content is also given. In the laboratory foods are prepared in family quantities. Recipes used here may be used in the home, making the course a practical and useful one. Practical tests in cooking are given, in which the student is placed upon her own responsibility. Note-books, containing recipes and lectures and periodical quizzes are required. One lecture and three two-hour laboratory periods weekly. Laboratory fee of one dollar each term.

## WHITWORTH COLLEGE

### 2. FOODS AND NUTRITION *Four hours one semester*

This is a continuation of Foods 1, with a study of special diets, preparation and serving of course dinners and luncheons. Special orders for pastries and hot dishes or other types of foods, are filled, which are sold to those desiring them. Laboratory fee of one dollar each term.

### \*3. TEXTILES AND CLOTHING

*Three hours one semester*

Adaptation and use of commercial patterns, kinds, qualities and quantity of material. Elementary facts that form the foundation of successful selection of textile fabrics. Laboratory work will include planning and construction of garments from wash materials.

### \*4. CLOTHING

*Three hours one semester*

Consideration of the bases of the selection of clothing; clothing budgets; clothes as a financial investment; clothing standards in relation to the economic, social, and aesthetic life of the community; principles of hygiene as applied to clothing. The laboratory work includes planning and making of garments.

### \*5. MEAL PLANNING AND TABLE SERVICE

*Two hours one semester*

Individual planning and preparation of meals for family groups, including the adaptation to needs of the child. The aesthetic phase and social opportunity in meals is emphasized. Styles of service are studied and used.

### 6. LARGE QUANTITY COOKERY

*Three hours one semester*

A study of foods and their preparation for institutional use. A study of labor-saving devices and utensils, brands of foods, types of furnishings, methods of serving, manipulation, cost accounting, standardization and menu planning. Field work and observation in public institutions of the city. The practice in quantity work is done in the dining hall and kitchen, each student assisting in the preparation of the various meals and diets, under the direction and supervision of the instructor. One lecture and two two-hour laboratory periods. Open to students who have had Foods 1 and 2.

### 23. HOME FURNISHING

*Four hours one semester*

A course seeking to develop appreciation of beauty and suitability in home furnishings and some knowledge of the materials and processes involved. Types of architecture including the primitive, ancient, medieval and modern are studied. Problems in-

## COURSES OF INSTRUCTION

volved in designing a house; the plan; the interior and exterior design; building materials and methods of construction. The artistic side is developed in the study of proper and attractive color schemes, good selection of pictures, study of artistic arrangement of flowers and good taste in general. Field trips to cathedrals, art shops, china shops and modern homes. A scrap book for mounting of various types is required. Papers, themes, and special reports are given from time to time.

### 24. HOUSEHOLD MANAGEMENT

*Three hours one semester*

Organization of the household; sanitation, budgeting, household accounts, and business points. The art of right living, as applied to the home. Studies of housing standards, materials for home interiors, care of equipment, labor saving devices, and chemistry and adequacy of cleaning reagents. A survey of costs of living studied. Factors that control expenditures and distribution at different income levels. Personal budgets, kept by individual members of the class. Projects, such as planning, selecting and purchasing material for rooms as selected by the instructor, done with a view to proper color scheme, design and texture. Reports, papers, and field trips; three lectures of one hour each per week.

### \*51-52. COSTUME DESIGNING

*Two hours one semester*

A study in design and advanced garment making.

### 55. NUTRITION

*Three hours one semester*

The fundamental principles of food and nutrition as related to the selection, preparation, and serving of adequate day's meals. The various factors which contribute to positive health and those which hinder physical wellbeing. Foods in relation to health; food sanitation; mal-nutrition, over-nutrition, and deficiency diseases. Projects in pre-school child feeding and special diets for abnormal individual cases. Two lectures and one two-hour laboratory. A bibliography for reading will be given and individual student reports and themese. Laboratory fee two dollars per term.

### 56. DIETETICS

*Four hours one semester*

A course similar to 55 but more technical, and requiring a prerequisite of organic chemistry. A study of varying dietetic requirements under different pathological conditions, for students who expect to qualify as professional dietitians. Two lectures and two two-hour periods of laboratory. Reading assignments, reports and topics on dietetic conditions and findings.

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### \*57. CHILD DEVELOPMENT *Two hours one semester*

Dietetic requirements in different pathological conditions; and a study of the child: his needs, care, and development. Laboratory work; preparation of typical diets for special pathological conditions—as diabetes, nephritis, and gastric ulcer. A special dietary for the child of pre-school age.

### \*58. DIETOTHERAPY *Three hours one semester*

Organic chemistry is a prerequisite. A course similar to 57 but more technical.

Prerequisites of courses 57 and 58 are certain courses in Chemistry and Biology.

## MATHEMATICS AND PHYSICS

**Mr. Soltau**

**Mr. Jenner**

### Mathematics

Major: 30 hours, including 11-12; 51-52; 64; 66.

Minor: 16 hours.

Suggested program of studies for major students, in Mathematics.

FRESHMAN YEAR		I	II
Math. 11-12—Freshman Mathematics .....		5	5
Eng. 1, 2—Freshman English .....		3	3
R. E. 1, 2—Religious Education .....		2	2
Chem. 1, 2—General Chemistry .....		5	5
Physical Education .....		—	—
		15	15
SOPHOMORE YEAR		I	II
Math. 51-52—Calculus .....		4	4
Physics 11-12—General Physics .....		5	5
Ed. 21—General Psychology .....		3	0
History 11 or 12—American Government .....		0	3
Language .....		4	4
Physical Education .....		—	—
		16	16

## COURSES OF INSTRUCTION

JUNIOR YEAR		I	II
Math. 64 or 66—Diff. Equations .....		0	3
Math.—Elective .....		3	0
Philosophy 51—Logic .....		2	0
R. E.—Religious Education .....		0	2
Electives .....		10	10
		<hr/> 15	<hr/> 15
SENIOR YEAR		I	II
Math. 66 or 64—Theory of Equs. ....		0	3
Math.—Elective .....		3	0
R. E.—Religious Education .....		2	0
Electives .....		9	11
		<hr/> 14	<hr/> 14

One laboratory sciences is required. Both Chemistry and Physics are recommended. If student is deficient in foreign language it may be desirable to begin work in the chosen language in the Freshman year, deferring the Chemistry course till the junior year.

### Description of Courses

#### 11-12. FRESHMAN MATHEMATICS

*Five hours each semester*

An introductory course, consisting of a study of the elements of college algebra, trigonometry and analytical geometry, from the functional standpoint with a brief introduction to the methods of the calculus. Prerequisite: two years of high school algebra and plane geometry. Required of all pre-engineering students and mathematics majors.

#### \*21. SPHERICAL TRIGONOMETRY

*Two hours first semester*

A study of the relationships and properties of spherical triangles and their application to problems in navigation, geodesy, and astronomy. Prerequisite: Math. 11-12.

#### \*22. SOLID ANALYTICAL GEOMETRY

*Two hours second semester*

A study of the properties of lines, surfaces and solids in three dimensional space. Prerequisite: Math. 11-12.

#### 51-52. DIFFERENTIAL AND INTEGRAL CALCULUS

*Four hours each semester*

A first course in the elements of the differential and integral calculus including a study of time-rates, centroids, moments of

## WHITWORTH COLLEGE

inertia, multiple integrals and an introductory study of differential equations. Prerequisite: Math. 11-12. Required of mathematics majors and pre-engineering students.

### \*53. HISTORY OF MATHEMATICS

*Two hours first semester*

A general survey of the historical development of the science of mathematics. Emphasis on library work and preparation of individual papers. Prerequisite: 20 semester hours of mathematics. Required of students who are preparing to teach mathematics.

### 54. MODERN GEOMETRY

*Two hours second semester*

An introductory course in modern geometry. A study of the properties of the triangle and the circle. Prerequisite: a minor in mathematics. Recommended to those students who are preparing to teach.

### \*61. ANALYTICAL MECHANICS

*Three hours first semester*

A study of the fundamental ideas of theoretical mechanics, with their application to problems in celestial mechanics, physics and engineering. Prerequisite: Math. 51-52, Physics 11.

### \*64. DIFFERENTIAL EQUATIONS

*Three hours second semester*

A study of ordinary and partial differential equations with their applications to problems in physics, mathematics, astronomy and engineering. Prerequisite: Math. 52. Required of Math. majors.

### 65. ADVANCED CALCULUS

*Three hours first semester*

Definite integrals, gamma functions, line integrals and Green's theorem, introduction to vector analysis, study of Fourier's series. Prerequisite: Math. 64.

### 66. THEORY OF EQUATIONS

*Two hours second semester*

A study of the properties of higher equations, graphs and complex numbers. Solution of equations by Newton's and Horner's methods. General solution of cubic and quartic equations. Prerequisite: Math. 52.

## COURSES OF INSTRUCTION

### Physics and Engineering

Minor: 16 hours. Including 11, 12, 51.

#### Description of Courses

##### 3-4. ENGINEERING DRAWING

*Two hours each semester*

Fundamentals of engineering drawing. Lettering, orthographic projection, isometric and cabinet sketching; development of surfaces; working drawings; standard and conventional symbols. Required of all pre-engineering students.

##### 11-12. GENERAL PHYSICS

*Five hours each semester*

A general introduction to the facts, methods and principles of physical science. Two lectures, two recitations and one laboratory period per week. Prerequisite: Math. 11-12. Required of pre-engineering students, mathematics and physics majors.

##### 15. DESCRIPTIVE GEOMETRY

*Three hours first semester*

A continuation of the work of course 3-4. Study of point line and plane in space and graphical solution of problems involving them. Development of surfaces; perspective drawing. Prerequisite: Physics 3-4, Solid Geometry. Required of all pre-engineers.

##### 16. PLANE SURVEYING *Three hours second semester*

A study of methods in field and office; use and adjustment of instruments; determination of latitude; simple computations. Prerequisites: Math. 11-12, Physics 3-4. Required of pre-engineering students.

##### 19. STEAM ENGINES *Two hours first semester*

A study of the elementary principles of steam engines; valve mechanisms, indicator diagrams, tests.

##### \*51. THEORETICAL MECHANICS

*Three hours first semester*

A study of the fundamental ideas and principles of theoretical mechanics, with their application to problems, in celestial mechanics, physics and engineering. Prerequisite: Math. 51-52, Physics 11.

##### \*53. MODERN PHYSICAL THEORIES

*Three hours first semester*

An introductory study of the recent theories of atomic structure, the nature of the electron, radiant energy and radio-activity. Prerequisite: Physics 12.

## WHITWORTH COLLEGE

### \*56. THEORETICAL ELECTRICITY

*Three hours second semester*

A study of the theoretical laws and fundamentals of electricity and magnetism and their applications in the field of electrical engineering. Prerequisites: Math. 52, Physics 12.

### 58. OPTICS

*Three hours second semester*

A theoretical study of the general phenomena and laws of refraction, diffraction, interference, polarization, origin of spectra, the electro-magnetic theory of light, and kindred topics. Prerequisite: Math. 52; Physics 12.

### \*61. HISTORY OF PHYSICS *Two hours first semester*

A chronological and topical study of the main lines of development of physical science, with special attention to recent trends of investigation. Prerequisite: 20 hours of Physics.

### \*62. EXPERIMENTAL PHYSICS

*Two hours second semester*

A laboratory course for advanced students. Selected experiments in mechanics, electricity and light. Prerequisite: Phys. 53.

## MODERN LANGUAGES

**Dr. Schons**

Major in Modern Languages. 36 hours required or some related subject should be taken as a minor. French 1-2 and German 1-2 do not count on a major.

Students who present two years of high school French or German for admission will continue in French 3-4 or German 3-4. Those who have had one year of high school may take French 2 or German 2, but are advised to register for French 1 or German 1 in review, without credit for one semester. No credit is given for French 1 or German 1 until the second semester is completed.

The main object in language work is the acquisition of the ability to read accurately. Methods of instruction vary from independent reading with short conferences to class discussions.

## COURSES OF INSTRUCTION

### French

#### 1-2. ELEMENTARY FRENCH

*Four hours each semester*

Beginning French by Helen M. Eddy will be used in this course, together with the work book; the readers, *Si Nous Lisions*, *Pierrille*, etc., will be used also.

#### 3-4. INTERMEDIATE FRENCH

*Three hours each semester*

Reading of Modern French novels, plays, and short stories selected from the works of Dumas, Zola, Bornier, Halevy, etc. Review of Grammar.

#### \*25-26. SCIENTIFIC FRENCH

*Two hours each semester*

A good French scientific reader, together with selections from some French scientific journals will be used in this course. Intended especially for students majoring in science. Given on request.

#### \*51. CONTEMPORARY FRENCH SHORT STORY

*Two hours one semester*

Short stories of such writers as Bazin, Daudet, Maupassant, Theuriet, Eckmann, Chatrian, Coppee, Merrimee, Balzac, Anatole France, Zola Musset, etc., will be read and discussed.

#### \*52. FRENCH NOVELISTS OF THE NINETEENTH AND TWENTIETH CENTURIES

*Two hours one semester*

Works chosen from such writers as Balzac, Vigny, Dumas, Hugo, Merrimee, Flaubert, Daudet, Zola, Bazin, Hervieu, Barres, and others, will be read and discussed.

#### 61. THE DRAMA OF THE 17TH CENTURY

*Two hours one semester*

The classic drama of Corneille, Racine, and Moliere will be studied. Reports and outside reading required.

#### 62. THE MODERN DRAMA

*Two hours one semester*

Reading and study of the 19th and 20th century dramatists, such as Hugo, Dumas, Scribe, Augier, Labich, Maeterlink, and Rostand, with reports for outside reading.

#### 63-64. SURVEY OF FRENCH LITERATURE

*Two hours each semester*

A survey of the development of the literature from the earliest times to the present. Lectures, reports, reading of selections from the most important works.

## WHITWORTH COLLEGE

### \*71-72. METHODS OF TEACHING FRENCH

*Two hours each semester*

Aims and methods of teaching will be discussed. Some coaching and cadeting in elementary classes will be arranged for. Supervised observation in high schools.

### German

#### 1-2. ELEMENTARY GERMAN

*Four hours each semester*

Grammar, reading of easy prose, composition, dictation and conversation.

#### 3-4. INTERMEDIATE GERMAN

*Three hours each semester*

Readings chosen from such works as Alexis and Pfeiler, In Deutschland, Herzog, Die Burgkinder, Freytag, Die Journalisten, Heine, Die Harzreise, Schiller, Wilhelm Tell, or Die Jungfrau von Orleans, etc.

#### \*25-26. SCIENTIFIC GERMAN

*Two hours each semester*

A good German scientific reader, together with selections from some German scientific journals will be used in this course. Intended especially for students majoring in science. Given on request.

#### \*51. SCHILLER

*Two hours one semester*

Reading of one or two of Schiller's historical dramas and critical study of some of his ballads. Oral discussion and written reports.

#### \*52. GOETHE

*Two hours one semester*

Reading of several of Goethe's dramas, and some of his lyrics and ballads. Study of Goethe's life. Reports and outside reading.

#### 61. GERMAN PROSE READING

*Two hours one semester*

The best prose and dramatic works of Lessing, Heine, and other German prose writers.

#### 62. RECENT WRITERS

*Two hours one semester*

Writers of the short story, such as Storm, Keller, and C. F. Meyer will be studied. Dramatists and prose writers, such as Hauptman, Ludwig, and others will be read.

## COURSES OF INSTRUCTION

### 63-64. SURVEY COURSE OF GERMAN LITERATURE *Two hours each semester*

A survey of the development of German Literature from the earliest times to the present, with lectures, reports, and reading of selections from the most important works.

### \*71-72. METHODS OF TEACHING GERMAN *Two hours each semester*

Aims and methods of teaching will be discussed. Some coaching and cadeting in elementary classes. Supervised observation in high schools.

## MUSIC DEPARTMENT

**Mrs. Soltau**

**Mr. Gottfried Herbst**

Major work is offered in Applied Music (Vocal or Instrumental) only. Students majoring must secure a minimum of twenty-four credits in Applied Music and twenty-eight hours in Theoretical Music, including the following courses: 1; 2; 11-12 or 15-16; 21-22; 23-24; 55-56.

Students minoring in this department must secure a minimum of eighteen credits selected from the above-named courses.

Major students intending to teach will be required in addition to take the requisite courses in Education and are advised to secure a major in Foreign Languages as well.

### Schedule of Courses for Majors

FIRST YEAR		I	II
Eng. 1-2—Freshman English	_____	3	3
Foreign Language	_____	4	4
R. E. 1-2—Bible	_____	2	2
Mus. 1—Sight Singing & Ear Training	_____	3	0
Mus. 2—Elementary Harmony	_____	0	3
Mus. 17-18—Applied Music	_____	2	2
Mus. 11-12—Choral Study or 15-16—Orchestra	_____	1	1
Physical Education	_____	—	—
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## WHITWORTH COLLEGE

### \*54. ADVANCED APPRECIATION

*Two hours second semester*

Intensive study of the most important periods of musical art. Modern music with appropriate illustrations. Prerequisites: Music 21-22; 23-24.

### 55-56. MUSICAL FORMS *Two hours each semester*

Analysis of many examples of musical forms. Homophonic forms. Study of the larger forms of musical composition. Prerequisite: Music 23-24.

### \*59. COUNTERPOINT *Three hours first semester*

Two, three and four-part counterpoint. Double counterpoint, imitation, sequences, canon. The invention and fugue in two parts. Prerequisite: Music 23-24.

### \*60. FREE COMPOSITION

*Three hours second semester*

Composition in the smaller homophonic forms, including the two and three part song forms. Arrangements for combinations of voices or instruments. Prerequisite: Music 24.

### 63. TEACHING OF MUSIC *Two hours first semester*

Study of psychological and pedagogical principles as applied to the teaching of music. Prerequisite: Music 55-56. (Can be taken concurrently.)

### 64. PIANO PEDAGOGY *Two hours second semester*

A study of methods and survey of materials for teaching piano, including group instruction for children. Outlining of courses of study. Teaching of advanced technic. Prerequisite: Music 63.

## APPLIED MUSIC

Work is offered in the departments of Piano (A); Voice (B); Violin (C); and other orchestral instruments, brass or woodwind (D). When registering for these courses, the letter printed in parentheses after the name of the department should be added to the course number in order to indicate the department in which the work is to be taken. Music majors who are deficient in piano technique may be required to take from one to two years' work in piano as a part of the Applied Music requirement for a major.

### 17-18. A, B, C, or D APPLIED MUSIC (Freshman)

*Two hours each semester*

## COURSES OF INSTRUCTION

- 25-26. A, B, C, or D APPLIED MUSIC (Sophomore)  
*Two hours each semester*
- 51-52. A, B, C, or D APPLIED MUSIC (Junior)  
*Two or four hours each semester*
- 61-62. A, B, C, or D APPLIED MUSIC (Senior)  
*Two or four hours each semester*

To be eligible for credit in Applied Music, a student must meet the following requirements:

First: Obtain written authorization from the Director of Music.

Second: Pass a test in proficiency, graded according to previous training. Those unable to do college grade work, may take Applied Music but not for credit, upon payment of the regular fees.

Third: Credit will not be granted unless a full semester's work is completed.

### Regulations

All music tuition fees are payable each term in advance at the College office. Fees must be paid before students can be registered for work in any course. Lessons lost through enforced absence may not be made up unless the instructor has been notified of the intended absence twelve hours in advance and is willing to accept the excuse for the absence. Tuition for lessons missed will not be refunded except in cases of extended illness, when the Music Department may share the loss equally with the student. In Applied Music, sixteen lessons will be considered a semester's work when taking one lesson per week, and thirty-two lessons will be considered a semester's work when taking two lessons per week.

### Rates of Tuition for Music

Special music students, not enrolled as regular students, will be charged a fee of \$5.00 per credit hour per term for all theory courses.

The following fees are payable each term in advance:

## WHITWORTH COLLEGE

### PIANO, CLARINET, TROMBONE, TRUMPET and other Orchestra Instruments

One lesson per week, one-half hour.....	\$16.00
Two lessons per week, one-half hour each.....	\$32.00

### VOICE AND VIOLIN

One lesson per week, one-half hour.....	\$18.00
Two lessons per week, one-half hour each.....	\$36.00

### PRACTICE ROOM RENTAL (with piano)

One hour a day for the term.....	\$2.00
Two hours a day for the term.....	\$4.00

### PRACTICE ROOM RENTAL (without piano)

One hour a day for the term.....	\$1.50
Two hours a day for the term.....	\$3.00

## PHYSICAL EDUCATION

The Department of Physical Education supervises and directs all athletic activities. Four hours of Physical Education are required for graduation. This requirement may be met by participating in the athletic sports or the Women's Athletic Association program or some other organized physical exercises. This work will be done out of doors as much as possible, since the aim is to meet the physical needs of the student, both in a corrective and recreational way.

### Physical Education for Women

Physical Education for women functions largely through the Women's Athletic Association. This is an organization of the women of the college interested in hiking, basketball, baseball, volleyball and tennis. This work is carried on in conjunction with the regular physical education program of the college and is supervised by the director of Physical Education. Participation in the activities of the Women's Athletic Association will count toward the physical education requirement for graduation.

## COURSES OF INSTRUCTION

### SECRETARIAL SCIENCE

**Miss Maunus**

Credit for typewriting and shorthand not counted toward a degree.

1. **TYPEWRITING** *One hour one semester*

Acquaintance with the parts of the typewriter, mastery of the keyboard, emphasizing position, rhythm, technique, accuracy, and speed. Four class periods per week. Practice periods by appointment. Special fee, \$5.00 per term.

2. **TYPEWRITING** *One hour one semester*

Expert speed work with emphasis on accuracy. Form work and letter writing. Four class periods per week. Practice periods by appointment. Special fee, \$5.00 per term.

3. **SHORTHAND** *Three hours one semester*

The Gregg system is studied; supplementary reading and transcribing, speed dictation based on text material covered. Four class periods per week. Special fee \$5.00 per term.

4. **SHORTHAND** *Three hours one semester*

A continuation of Course 3. General review of manual; practice for speed and dictation. Special fee \$5.00 per term.

### SOCIAL SCIENCE

**Mr. Hussong**

Major: Thirty-three hours required.

Majors in Social Science are required to take Economics 1, 4, 5, 51, 52, 53; Sociology 1, 2, 51, 53, 54.

#### Economics

1. **PRINCIPLES OF ECONOMICS**

*Five hours one semester*

This course lays a basic foundation for future study in economics. The following economic factors are stressed: Capital, the efficiency of the factors of production, money and credit exchange, value and price, Say's Law, schedules of supply and demand, rent, interest, wages, profit. A critique of our present economic system discusses the application of economic principles to the business problems of today. This work is presented by means of "Economic Problems of Modern Life" as a supplementary tool in the hands of each student.

## WHITWORTH COLLEGE

### 2. INTRODUCTION TO BUSINESS

*Three hours one semester*

This course gives a comprehensive view of the business life of today. The approach is helpful not only to students in business administration, but also to schools of agriculture, education, engineering, pharmacy, and wherever a general business as well as technical aspect is desired. It offers worth-while material to accompany economic principles. The basic study is that of the main business or industries of our country and includes: Lumber, agriculture, minerals, fishing, marketing, textiles, forms of business, organization, financing, transportation, public utilities, business men's associations. Representative business men of Spokane will address the class on the practical side of business life.

### 3. BUSINESS LAW

*Three hours one semester*

The aim of this course is to present the fundamental legal doctrines and principles which are needed in transacting every-day business affairs. Actual court cases, excerpts from decisions and leading authorities, together with numerous practice problems, serve to clarify and exemplify the basic principles laid down. The course in the main is general, but much specific work is also given. Emphasis is placed on the common law of England, the law merchant, contracts, statute of fraud, sales, partnerships, de facto corporations, directors and stockholders. Negotiable paper, agency, contracts, and bailments are considered.

### \*4. AMERICAN ECONOMIC HISTORY

*Three hours one semester*

A graphic treatment of the Western Movement in concrete terms. The purpose of the course is to arrive at an understanding of *How* and *Why* the United States has come to its present high state of industrial efficiency. To this end are analyzed our physiographic areas, our natural resources, the growth of our industries, commerce, and transportation. The precedence or coincidence of social and economic forces to political events is noted. The course treats these periods and events: 1. Discovery and Colonization. 2. Western Movement. 3. Industrialization.

### 5. INTRODUCTION TO ECONOMIC GEOGRAPHY

*Three hours one semester*

A course in geography of college or university grade. The general cultural value of the subject as an aid in reading intelligently an ordinary newspaper or magazine article is shown. The following points are stressed in their bearing on economic life: Atmospheric conditions, climate, variability, jungles and savannas, trade winds, deserts, steppes and tundra, forests, soils, mountains, agricultural plains, rivers, minerals, sea economy and sea power, water and water power, place geography.

## COURSES OF INSTRUCTION

### \*51. INSURANCE

*Two hours one semester*

This is a general course on the principles of insurance, and the different kinds of policies for varying needs. Points of contact with the subject are: Risk and hazards, their transference and amalgamation, Poisson's "law of large numbers," fire, marine, and life insurance, burglar, theft, and liability insurance, fidelity and surety bonds. The various types of insurance carriers are studied. Standard forms of all types of insurance contracts are in the hands of students.

### 52. LABOR AND CAPITAL *Two hours one semester*

These subjects are treated in their modern aspects and relationships. The major divisions of the course are: Labor problems, problems of income, human conservation, collective bargaining, the employer, programs for reconstruction. Minor subdivisions are: Immigration; theories of wages; industrial fatigue; conflicts; scientific and personnel administration; copartnership of labor and capital.

### 53. ECONOMICS OF MARKETING

*Two hours one semester*

A rigid prerequisite to this course is Econ. 1 and preferably also Econ. 2. The usual economic functions of marketing, middlemen, salesmen and buyers are presented, but the work is carried further and the economic result of each factor's contribution is appraised. The historic origin of our economic order is presented in the mercantilists, physiocrats, residualists, Adam Smith, the labor socialists. The vital connection between fundamental economic problems and concrete problems in business is shown and how that fact contributes most in problems of marketing and advertising.

### 54. BUSINESS FINANCE *Three hours one semester*

This course is broader than the usual course designated as "money and banking." It lays a foundation adequate for the study of any specialized courses in finance. It covers well the field for those who can take no further courses in this line. The subject is approached through the study of: The pecuniary system and economic and social standards; the regulation of metallic standards; government paper currency; credit instruments; foreign exchanges; marketing securities; commercial and investment banking; the financing of a selected list of businesses.

## WHITWORTH COLLEGE

### Sociology

Minor in Sociology, 16 hours.

#### \*1. INTRODUCTION TO SOCIOLOGY

*Five hours one semester*

A study of personality traits in view of a complex social environment. A basic survey of the elements entering into the field of sociological study, such as social forces and processes. Emphasis is placed on culture, dynamics of personality, freedom and laissez-faire, mental conflicts. The Bryn Mawr tests are used and a set is in the hands of each student.

#### 2. SOCIETY AND INSTITUTIONS

*Five hours one semester*

The genesis of association with its integrated and component forms is presented. The four primary forms of association and their institutions are discussed from their economic, domestic, religious, and political perspectives. The resultants of gregariousness are evaluated through the media of domination, stimulation, cooperation, adaptation and other social processes. These are illustrated by practical observation and experience.

#### \*51. GROUP BEHAVIOR

*Two hours one semester*

A study of the various reactions and imitations which result from the stimuli of mind acting upon mind. The field is that commonly expressed by the term "social psychology," "Psychic inter-stimulation" is the key word. The laboratory of the course is found in the field of actual group living where are analyzed the group opinion, group loyalties, conflicts, morale, control, and group products. Students will report on their findings from direct observation and experience.

#### 52. SOCIAL ASPECTS OF LABOR AND CAPITAL

*Two hours, one semester*

(Same as Econ. 52, which see.)

#### 53. THE FAMILY

*Two hours one semester*

The history of the human family, its high place as a social institution and the adverse influences of modern home and family life are radiant points of this course. The founding of the family and its conservation are treated from the Christian point of view. This is largely a reading course grouped about such points with their statistics as marriage and divorce, broken homes, home ideals, socially handicapped families, family standards of living, parent education, the education of the child.

## GRADUATES

### 54. SOCIAL DEPENDENCY *Two hours one semester*

The particular field of study is found in the many social mal-adjustments so evident about us. The state of such individuals and groups is expressed by the term "social pathology." Each student will be required to study closely and perhaps present a thesis in some particular division of social dependency. The following are only a few of the many fields offered: Widowhood, desertion, old age, poverty, homeless children, homeless men, child labor, the disabled, drug addicts, the blind, mental deficiency. The hopeful tone of the course is amelioration and more especially *prevention* of these conditions.

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## GRADUATES—1931

### Bachelor of Arts

Susanna Gail Borden, Classical Languages, cum laude, Spokane.

Clifford Monroe Bromling, Social Science, Spokane.

Delpha Ruth Coffman, English, Spokane.

Minnie Cornelia Davie, Religious Education, Los Angeles, California.

Helen Graham Doig, English, Seattle.

Eastman, C. D., Education, Spokane.

Joseph Marion Hammond, Education, Spokane.

Mary Gault Hinton, English, Spokane.

Maude Ethelwynne Holt, English, cum laude, Spokane.

Margaret McCord Jamison, History, cum laude, Spokane.

Bertha Weaver Kruger, Education, Spokane.

Muriel Elizabeth Mase, French, cum laude, Spokane.

Clifford McNeal, Social Science, Wenatchee, Wash.

Alice Evelyn Sanstrom, English, Waterville, Wash.

Franke Janice Schermerhorn, French, magna cum laude, Spokane.

### Bachelor of Science

Kenneth Charles Knoll, Chemistry, Spokane.

### Doctor of Divinity

Paul C. Brown, Pacific Coast Secretary, International Society of Christian Endeavor, Los Angeles, California.

# WHITWORTH COLLEGE

## STUDENT ENROLLMENT BY CLASSES FOR THE YEAR 1931-32

### Seniors

Alexander, Maxine	Oakesdale, Wash.
Allen, Helen Russum	Spokane, Wash.
Askew, Ralph H.	Warsaw, N. C.
Bronson, Hugh	Spokane, Wash.
Chapman, Evelyn	Spokane, Wash.
Cox, Elva	Spokane, Wash.
Dalgleish, Ruth	Newark, Ohio
Hansen, Gladys	Portland, Ore.
Hood, Dorothy	Reardan, Wash.
Heffelfinger, Charles H.	Monroe, Iowa
Hussey, Clifton	Spokane, Wash.
Klein, S. Ralph	Greenville, Ill.
MacCamy, Eloise	Spokane, Wash.
Muir, Leta Mae	Sunnyside, Wash.
Roberts, Arthur	Millwood, Wash.
Travaille, Forrest	Walla Walla, Wash.
Watson, Marie	Spokane, Wash.

### Juniors

Ayers, Stanley	Deer Park, Wash.
Bennison, Mary	Waverly, Wash.
Booth, Willard	Spokane, Wash.
Chapman, Ethel	Spokane, Wash.
Herron, Celia	St. John, Wash.
Holt, Maurice	Spokane, Wash.
Jenkins, Marion	Antioch, Calif.
Kyle, Halcyon	Wenatchee, Wash.
Marquam, Alfred	Reubens, Ida.
Mitchell, Hazel	Spokane, Wash.
Moore, Dorothy	Millwood, Wash.
Morgan, Zelma	Asotin, Wash.
Nelson, Harold	Spokane, Wash.
Noel, Francis	Spokane, Wash.
Picton, Owen	Spokane, Wash.
Schlomer, Henry	Spokane, Wash.
Slater, Harold	Spokane, Wash.
Stevenson, Arthur	Tacoma, Wash.
Topping, Gene	Davenport, Wash.
Williams, Janet	Spokane, Wash.

### Sophomores

Bailor, Hazel	Helena, Mont.
Baldwin, Estella	Washougal, Wash.
Boynnton, Ray	Spokane, Wash.

## ROSTER OF STUDENTS

Bronson, John	Spokane, Wash.
Buell, Fred	Spokane, Wash.
Burnette, Elizabeth	Spokane, Wash.
Clarke, Olive	Northport, Wash.
Crain, Mary Borden	Nachez, Wash.
Daut, William	Seattle, Wash.
DeFoe, Gordon	Spokane, Wash.
Dyer, Betty	Spokane, Wash.
Fancher, Ward	Spokane, Wash.
Fursey, Frances	Spokane, Wash.
Gillespie, Paul	Veradale, Wash.
Glenn, David	Spokane, Wash.
Goeke, Eleanor	Spokane, Wash.
Gooding, Larhea	Spokane, Wash.
Herbst, William	Spokane, Wash.
Hepton, Virgil	Spokane, Wash.
Hussey, Lester	Spokane, Wash.
Johnson, Margaret	Spokane, Wash.
Jones, Ruth	Ellensburg, Wash.
Jordan, Vivian	Spokane, Wash.
Keyser, Adeline	Spokane, Wash.
Koyl, Jean	Spokane, Wash.
Larson, Elwin	Spokane, Wash.
Lathrop, Tena	Priest River, Idaho
Lavender, Ray	Millwood, Wash.
McFeron, Thomas	Spokane, Wash.
Miller, Frank	Seattle, Wash.
Petsch, Walton	Spokane, Wash.
Pyles, Jewell	West Frankfort, Ill.
Ratsch, Elsie	Spokane, Wash.
Rhoades, Elsie	Kettle Falls, Wash.
Russell, Vernon	Spokane, Wash.
Slater, Charlotte	Spokane, Wash.
Smith, Clarence	Worthington, Minn.
Spotts, Lois	Seattle, Wash.
Strang, Alan	Millwood, Wash.
Sutherlin, Gaines	Spokane, Wash.
Swann, Preston	Spokane, Wash.
Tilden, Daurice	Vancouver, Wash.
Ventris, Tommy	Millwood, Wash.
Wolfe, Leta Marie	Wilbur, Wash.

### **Freshmen**

Adams, Jack	Spokane, Wash.
Allison, Howard	Spokane, Wash.
Aspinwall, Charles	Spokane, Wash.
Baker, Florence	Wenatchee, Wash.
Benson, Charles	Spokane, Wash.

# WHITWORTH COLLEGE

Boudewyns, Mable	Spokane, Wash.
Bradford, Charles	Vancouver, Wash.
Brenton, Chester	Spokane, Wash.
Brown, Betty	Spokane, Wash.
Bruce, Laura	Spokane, Wash.
Burton, Lester	Millwood, Wash.
Carr, Alice	Lindsay, Calif.
Collins, Ben	Spokane, Wash.
Cook, Betty	Spokane, Wash.
Corisis, Teteka	Spokane, Wash.
Denham, Roberta	Spokane, Wash.
Doig, Laurence	Seattle, Wash.
Douglass, Donald	Spokane, Wash.
Dresser, Marion	Spokane, Wash.
Earsley, Ruby	Spokane, Wash.
Eastburg, Harold	Spokane, Wash.
Fariss, Melvin	Spokane, Wash.
Frank, Donald	Spokane, Wash.
Fry, Mildred	Spokane, Wash.
Gilbert, Gladys	Spokane, Wash.
Gilbert, Mary	Omak, Wash.
Gilbert, Wilbur	Spokane, Wash.
Glenn, Chester	Spokane, Wash.
Goodrich, Willard	Spokane, Wash.
Gray, Merton	Deer Park, Wash.
Grieve, Robert	Spokane, Wash.
Hale, Murdock	Chelan, Wash.
Hancox, Harriett	Spokane, Wash.
Hausken, Eleanor	Spokane, Wash.
Helms, Faith	Spokane, Wash.
Herington, Morris	Spokane, Wash.
Holder, Hazel	Spokane, Wash.
Hopkins, Lyall	Spokane, Wash.
Houston, John	Spokane, Wash.
Irwin, Evelyn	Spokane, Wash.
Keller, Kenneth	Spokane, Wash.
Koper, Paul	Tacoma, Wash.
Kurz, Virginia	Spokane, Wash.
Lauder, Alma	Moscow, Idaho
Long, Harvey	Deer Park, Wash.
Loveless, Jean Ellen	Spokane, Wash.
Lusbey, Willis	Spokane, Wash.
Mann, Priscilla	Spokane, Wash.
Martell, Harold	Raymond, Wash.
McClenny, Claire	Seattle, Wash.
McDowell, George	Spokane, Wash.
Miller, Frederick	Spokane, Wash.
Mott, Jack	Spokane, Wash.

## ROSTER OF STUDENTS

Murray, Keith	Wenatchee, Wash.
Nelson, Edward	Naches, Wash.
Nevius, Frances	Everett, Wash.
Nordmark, Robert	Spokane, Wash.
Nordmark, John	Spokane, Wash.
Nottingham, Harry	Missoula, Mont.
Nutting, Robert	Spokane, Wash.
Olson, Carl	Spokane, Wash.
Peregrine, Lee	Spokane, Wash.
Prosser, Dan	Spokane, Wash.
Ritter, George	Spokane, Wash.
Roberts, Wesley	Millwood, Wash.
Ross, Sterling	Spokane, Wash.
Sapp, Virginia	Spokane, Wash.
Schuemaker, Daryl	Spokane, Wash.
Schuster, Loren	Spokane, Wash.
Shelley, Margaret	Spokane, Wash.
Skaer, George	Spokane, Wash.
Smith, Mayes	Waitsburg, Wash.
Smith, Winnifred	Republic, Wash.
Snodgrass, Howard	Spokane, Wash.
Stevens, Harold	Spokane, Wash.
Stewart, Earl	Spokane, Wash.
Swartz, Bert	Sokane, Wash.
Van Austene, Mayo	Spokane, Wash.
Vicker, Hedley	Asotin, Wash.
Warner, Murray	Spokane, Wash.
Wilson, Genevieve	Spokane, Wash.
Wilson, Helen	Spokane, Wash.
Winans, Merritt	Spokane, Wash.
Woods, Jean Betty	Spokane, Wash.
Xitco, John	So. Pasadena, Calif.
Zahniser, Mary	Spokane, Wash.

### Postgraduates

Brown, Lillian	Spokane, Wash.
Kruger, Bertha	Spokane, Wash.
Total Enrollment	170

WHITWORTH COLLEGE

**OFFICERS OF ALUMNI ASSOCIATION**

**Elected June 5, 1931**

President, Mrs. Marjorie Weaver, '22, E. 1705  
10th, Spokane.

Vice President, Miss Dorothy Farr, '23, Country  
Homes Estate, Spokane.

Secretary-Treasurer, Miss Susanna Borden, '31, Route  
8, Spokane.

**MEMBERS OF WHITWORTH HONOR CLUB**

**(Organized in 1927-28)**

**Elected in 1928**

Kathryn Bockman, Anacortes.

Russell Boucher, Spokane.

Lillian Brown, Spokane.

Phillip Laurie, Tacoma.

Lilly Schwendig, Wenatchee.

**Elected in 1929**

Leon D. Killian, Davenport.

Lee E. Knoll, Spokane.

Lewis G. Randal, Seattle.

**Elected in 1930**

\*Leah Grove, Deer Park.

Virginia Koyl, Spokane.

Kenneth Knoll, Spokane.

**Elected in 1931**

Delpha R. Coffman.

Mary G. Hinton.

Janice Schermerhorn.

\*Deceased.

## LADIES AUXILIARY

### Whitworth College Auxiliary

The Whitworth College Auxiliary was organized September 15, 1930, with 103 charter members. Today, May 1, 1932, the Auxiliary has a membership of 490.

The slogan of the Whitworth College Auxiliary is "To Pray, to Plan, to Push" for Whitworth College. The organization to date has furnished the women's reception hall and contributed over \$1300.00 toward the purchase of books for the college library. The following are officers and members of the executive board:

Mrs. J. W. Countermine	President
Mrs. Ward W. Sullivan	First Vice President
Mrs. F. C. Farr	Second Vice President
Mrs. Thomas Tucker	Secretary
Mrs. F. T. Hardwick	Treasurer
Mrs. H. L. Hussong	Promotion Secretary
Mrs. Frank Fursey	Financial Secretary
Mrs. T. M. Hodgman	Mrs. William McEachran
Mrs. F. E. Reese	

#### COMMITTEE CHAIRMEN

Mrs. George W. Petsch	Ways and Means
Mrs. J. E. Lane	Membership
Mrs. F. L. Bailor	Entertainment

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