

Changes in Schedule

Walla Walla College

BULLETIN

1946 - 1947



"THE SCHOOL THAT EDUCATES FOR LIFE

WALLA WALLA COLLEGE BULLETIN

CATALOGUE ISSUE OF 1946-1947



If morality and religion are to live in a school, it must be through a knowledge of God's word.—Mrs. E. G. White.

VOL. LV

June, 1946

No. 1

Entered as Second-class mail matter, College Place, Wash.

Under Act of Congress, August 24, 1912.

ISSUED QUARTERLY

ARCHIVES

WALLA WALLA COLLEGE LIBRARY

School Calendar 1946-1947

1946 SEPTEMBER 1946

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The College Calendar

1946-1947

SUMMER QUARTER

Registration	Wednesday, June 12
Close of summer quarter	Sunday, August 25

AUTUMN QUARTER

All freshmen arrive on campus	Tuesday, Sept. 24
Freshman convocation, attendance required, 8 a. m.....	Wednesday, Sept. 25
Freshman tests, 9:00 a. m., 2:00 p. m.....	Wednesday, Sept. 25
Freshman convocation, attendance required, 8:00 p. m.....	Wednesday, Sept. 25
Registration of freshmen, 9:00 a.m., 2:00 p.m.....	Thursday, Sept. 26
General registration, 9:00 a.m., 2:00 p.m.....	Friday, Sept. 27
First vesper service, 7:30 p.m.....	Friday, Sept. 27
General registration, 9:00 a.m., 2:00 p.m.....	Sunday, Sept. 29
Faculty-Student reception, 8:00 p.m.....	Sunday, Sept. 29
Classes begin (all students), 7:45 a.m.....	Monday, Sept. 30
Annual field day.....	Tuesday, Oct. 8
Thanksgiving recess	Thursday, Friday, Nov. 21, 22
Registration for winter quarter	Nov. 24 to Dec. 11
Instruction ends, 12:15 p.m.....	Wednesday, Dec. 18

WINTER QUARTER

Registration of new students, 2:00 p.m.....	Sunday, Dec. 29
Instruction begins, 7:45 a.m.....	Monday, Dec. 30
Registration for spring quarter.....	Feb. 23 to March 12
Instruction ends, 12:15 p.m.....	Thursday, March 20

SPRING QUARTER

Registration of new students, 2:00 p.m.....	Sunday, March 23
Instruction begins, 7:45 a.m.....	Monday, March 24
Instruction ends, 12:15 p.m.....	Friday, June 6
Senior consecration service, 8:00 p.m.....	Friday, June 6
Baccalaureate sermon, 11:00 a. m.....	Saturday, June 7
Commencement, 10:00 a.m.....	Sunday, June 8

PART I

Administration and Instruction

Board of Trustees

V. G. ANDERSON, <i>President</i>	Portland, Oregon
G. W. BOWERS, <i>Secretary</i>	College Place, Washington
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L. A. SKINNER	Portland, Oregon
J. T. PORTER	Portland, Oregon

Faculty

ADMINISTRATION

GEORGE WINFIELD BOWERS, Ph. D.

President

FRANK W. PETERSON

Business Manager

VERNON E. HENDERSHOT, Ph. D.

Dean, School of Theology

HENRY L. SONNENBERG, Ph. D.

Assistant to the President, Director Summer Session

IRENE SMITH-BLACK, B. A.

Registrar

LEON B. LOSEY, M. S.

Dean of Men

EVLYN M. M. LINDBERG, B. A.

Dean of Women

MOLLIE LAY-SITTNER, B. A., B. S. (L. S.)

Librarian

H. J. ALCOCK, M. A.

Principal, Walla Walla College Academy

MARGUERITE APLINGTON, B. A.

Accountant

TEACHING STAFF

X GEORGE WINFIELD BOWERS

Professor of Chemistry

Ph. D., Nebraska

+ VERNON E. HENDERSHOT

Professor of Religion

Ph. D., Southern California

GEORGE GUSTAV KRETSCHMAR

Professor of Physics

Ph. D., Chicago

THOMAS A. LITTLE

Professor of English

M. A., North Carolina

JOHN E. POTTS

College Physician, Lecturer in Hygiene

M. D., College of Medical Evangelists

GEORGE E. SHANKEL

Professor of History

Ph. D., Washington

W. I. SMITH

Professor of Secondary Education

Ed. D., George Washington

AGNES L. SORENSEN

Professor of Modern Languages

M. A., Michigan

H. E. WESTERMAYER

Professor of History

M. A., College of the Pacific

KENNETH APLINGTON

Associate Professor of English

M. A., Washington

ERNEST S. BOOTH

Associate Professor of Biology

M. S., Washington

STERLING K. GERNET

Associate Professor of Piano

Ed. D., Temple

DAISY SCHLUNTZ

Associate Professor of Home Economics

M. S., Nebraska

CLAUDE E. THURSTON

Associate Professor of Chemistry

M. S., Washington

STANLEY WALKER

Associate Professor of Piano and Pipe Organ

M. Mus., Northwestern

ORASON LEE BRINKER

Assistant Professor of Mathematics

M. A., Denver

CARL D. CHRISTENSEN

Assistant Professor of Religion

M. A., Nebraska

~~JOHN T. HAMILTON~~

Assistant Professor of Voice

M. Mus., Northwestern

~~FREDERICK R. HANSON~~

Assistant Professor of Nursing Education

R. N., Madison Sanitarium; M. A., Washington

~~WILBERT SCHNEIDER~~

Assistant Professor of Business Administration

M. B. A., Oklahoma

~~BERNICE E. SEARLE~~

Assistant Professor of Elementary Education

M. A., Minnesota

~~X HENRY L. SONNENBERG~~

Assistant Professor of Modern Languages

Ph. D., Nebraska

~~MYRTLE M. WALKER~~

Assistant Professor of Business Administration

M. A., Idaho

~~H. J. ALCOCK~~

Instructor in Secondary Education

M. A., Michigan

~~R. D. DRAYSON~~

Instructor in Ancient Languages and Religion

M. A., Seventh-day Adventist Theological Seminary

~~*BEATRICE I. EMERY~~

Instructor in Biology

B. A., Walla Walla College

~~VERNON W. EMMERSON~~

Instructor in Speech

B. Th., Walla Walla College

~~BETTE HACKETT~~

Assistant Librarian

B. A., Walla Walla College

~~ETHEL HENDERSHOT~~

Instructor in English and Malay

B. A., Pacific Union College

~~THELMA JOHNSON~~

Instructor in Piano

B. A., Walla Walla College

~~LUELLA LATHAM-KRETSCHMAR~~

Instructor in Chemistry

M. S., Washington

*Leave of absence.

LEON B. LOSEY

Instructor in Agriculture

M. S., Oregon State College

JANET MILLER

Instructor in Piano

B.A., Walla Walla College

LULU HILL-MILLER

Instructor in Art

HAROLD E. MITZELFELT

Instructor in Cello, Band, and Orchestra

M. A., Washington

*MARY E. OLIVER

Assistant Librarian

B. A., Walla Walla College

DAN W. PALMER

Instructor in Secondary Education

M. A., Washington

STANLEY PETERSON

Instructor in Religion

B. A., Walla Walla College

EUGENE QUADE

Instructor in Physics

B. A., Walla Walla College

VIOLET SCOTT

Instructor in Secondary Education

M. A., Washington

VIRGINIA I. SHULL

Instructor in Secondary Education

M. A., Boston

MOLLIE LAY-SITTNER

Instructor in Library Science

B. A., Walla Walla College; B. S. (L. S.), Washington

ESTHER SONNENBERG

Instructor in Secondary Education

M. A., Nebraska

RAYMOND A. UNDERHILL

Instructor in Biology

~~B. A., Walla Walla College~~ m. a., Texas A. & M.

EUGENE WINTER

Instructor in Physical Education

B. A., Walla Walla College

PAULINE YOUNG

Instructor in Nursing Education

R. N., Portland Sanitarium, M. A., Washington

*Leave of absence.

THE CAMPUS SCHOOL

HELEN HUDSON

Supervisor, Grade Seven

B. A. in Elementary Education, Walla Walla College

JEANNE MORRISON

Supervisor, Grade Four

B. A. in Elementary Education, Walla Walla College

ELEANOR RUE

Supervisor, Grade Three

B. A., Washington Missionary College

HYRETHA THOMPSON

Supervisor, Grade Five

B. A. in Elementary Education, Walla Walla College

MARGARET TURNER

Supervisor, Grade Two

B. A. in Elementary Education, Walla Walla College

ARTHUR WARNER

Supervisor, Grade Eight

EVELYNNE WRIGHT

Supervisor Grades Five and Six

B. A., Pacific Union College

Faculty Committees

RELIGIOUS INTERESTS

G. W. BOWERS, L. B. LOSEY, EVLYN LINDBERG, V C. BECRAFT, V. E. HENDERSHOT, STANLEY PETERSON, C. D. CHRISTENSEN, RONALD DRAYSON.

ACADEMIC STANDARDS

G. W. BOWERS, H. L. SONNENBERG, T. A. LITTLE, V. E. HENDERSHOT, IRENE BLACK.

GOVERNMENT

G. W. BOWERS, F. W. PETERSON, L. B. LOSEY, EVLYN LINDBERG, KENNETH APLINGTON.

PERSONNEL

KENNETH APLINGTON, DAISY SCHLUNTZ, W. I. SMITH, S. K. GERNET.

PROGRAM

V. W. EMMERSON, MARGUERITE APLINGTON, L. B. LOSEY, EVLYN LINDBERG, H. E. WESTERMAYER, STANLEY WALKER, H. J. ALCOCK.

LIBRARY

MOLLIE LAY-SITTNER, STANLEY PETERSON, AGNES SORENSEN, G. E. SHANKEL, G. G. KRETSCHMAR.

PUBLICATIONS

T. A. LITTLE, KENNETH APLINGTON, H. J. ALCOCK, R. L. COLLINS.

FACULTY ADVISERS

Associated Students, Graduate Manager, WILBERT SCHNEIDER; *The Collegian*, T. A. LITTLE; *The Mountain Ash*, KENNETH APLINGTON; Nominating Committee, H. L. SONNENBERG; Religious Activities-Cultural Committee, RONALD DRAYSON; Social Activities Committee, DAISY SCHLUNTZ; Sabbath School, STANLEY PETERSON; Missionary Volunteers, W. I. SMITH; Alpha Kappa Sigma, STANLEY SARGEANT, AGNES SORENSEN.

INDUSTRIAL SUPERINTENDENTS

FRANK W. PETERSON	Superintendent, Industrial Departments
G. L. BEANE	Store
E. O. BECKER	Farm
GERTRUDE CARPENTER	Building Maintenance
RAY L. COLLINS	College Press
DARRELL COWIN	Garage
WILLIS E. CUSHMAN	Bindery
*FRANK GIBBON	Bakery
WILLIAM MERKEL	Heat and Light
STANLEY SARGEANT	Repairs
JAKE WALCKER	Construction
KATHLEEN KEEN-ZOLBER	Director of Food Service

*Leave of absence.

PART II

The College and Its Aims

Walla Walla College is a four-year liberal arts college fully accredited with the University of Washington, the State College of Washington, the Northwest Association of Secondary and Higher Schools, and the Association of Seventh-day Adventist Colleges and Secondary Schools. It is also accredited as a four-year teacher training institution by the Washington State Board of Education.

Walla Walla College is operated by the Seventh-day Adventist denomination, primarily as a center of higher education for its youth in the Pacific Northwest. Seventh-day Adventists accept without reservation the teachings of the Bible, among which they consider basic the immutability of the law of God, the original perfection of the universe, the fall of man, the plan of salvation, the imminent second coming of Christ, and the existence of the redeemed throughout eternity.

In harmony with these doctrines, Walla Walla College recognizes that "true education means more than the pursual of a certain course of study. It means more than the preparation of the life that now is. It has to do with the whole being, and with the whole period of existence possible to man. It is the harmonious development of the physical, the mental and the spiritual powers. It prepares the student for the joy of service in this world, and for the higher joy of wider service in the world to come."

To bring into actuality this conception of education, Walla Walla College declares its specific aims to be:

1. To present the ideals and principles of Christianity in such a way as to promote the development of a consistent Christian life characterized by loyalty to God and service to humanity.
2. To train for leadership in church and community in harmony with the distinctive ideals and world program of the Seventh-day Adventist denomination.
3. To develop character distinguished by power of will and ability of self-control, bringing every motive and desire into conformity to the eternal principles of right established by God and respected by the most enlightened elements of humanity.

4. To provide a broad basis for true culture which will permit proper discrimination as to the values of life, encourage devotion to noble ideals and practices, and lead to a worthy use of leisure.
5. To guide in the appropriation of the accumulated knowledge of the ages, in the stimulation of the power of independent reasoning, and in the acquisition of the ability to inspire others to a greater passion for wisdom and truth.
6. To inspire intelligent and sincere love for our country and its fundamental principles, while at the same time emphasizing the brotherhood of man, thus providing a preparation for judicious participation in the privileges and responsibilities of citizenship.
7. To encourage proper evaluation of the place of the individual in modern society, of his relationship to the social and economic order, and of his attitude toward an ever-changing civilization.
8. To facilitate the acquisition and maintenance of a high standard of bodily health, thus giving the individual genuine satisfaction in life and enabling the mind and spirit to make valuable contributions to our contemporary world.
9. To stimulate participation in practical vocational activities which will lead to an appreciation of the dignity of labor, furnish a definite conception of the abilities and traits requisite for success in the various vocations, and impart a proficiency adequate to provide employment in a productive and self-respecting occupation.

Historical and Descriptive Sketch

Walla Walla College has been in successful operation since December 7, 1892. Its establishment was in harmony with a resolution unanimously adopted at the General Conference of Seventh-day Adventists held in Battle Creek, Michigan, in 1891.

The College buildings occupy an exceptionally beautiful site in the center of an elevated campus comprising about ten acres and commanding a pleasing view of the Blue Mountains to the east and south. This tract, surrounded by the town of College Place, is situated in the celebrated Walla Walla valley. The climate is mild and healthful.

About two and one-half miles to the northeast is Walla Walla, Washington, a city of about eighteen thousand inhabitants. Two railways enter Walla Walla: the Union Pacific and the Northern Pacific. An hourly bus service connects College Place with Walla Walla. In addition, the Union Pacific stages stop at the College campus. The transcontinental Roosevelt Highway is routed through College Place.

BUILDINGS AND EQUIPMENT

Administration Building

The Administration Building is a three-story brick structure 48 by 122 feet. In it, besides classrooms and physics laboratories, are the business and administrative offices.

Dormitories

Sittner Hall, a dormitory for men, will be ready for occupancy for the Autumn quarter. This building will provide rooms for 300 and will be modern in every respect. Besides student rooms there will be a worship room seating 400, a recreation room, a spread room, an ample parlor and other conveniences.

Helen Conard Hall, a modern three-story brick dormitory, is the home of the young ladies. This building, 42 by 224 feet, offers every convenience for 138 women. Hot and cold running water in every room, a parlor with fireplace, and "rainbow room" make the dormitory life attractive. The first floor

contains a modern dining room, kitchen, refrigeration plant, together with a banquet room and the dormitory worship room.

Two wings (known as North and South Halls) extending westward from the Administration Building provide additional living quarters for one hundred young women.

Science Hall

The Science Hall gives provision for the chemistry and biology departments. Offices, class rooms, laboratories, biology museum, and stock rooms are provided.

Music Conservatory

The Johnson Memorial Conservatory has been provided for the Music Department with studios, practice rooms, and an auditorium for recital purposes.

Home Economics Cottage

The Home Economics cottage offers facilities for class-rooms and laboratories. It contains modern equipment for students studying in this department.

Columbia Hall

Columbia Hall is a reinforced concrete gymnasium-auditorium, 80 by 128 feet in size. With a seating capacity of over 2,500 persons, and equipped with a splendid pipe-organ, Columbia Hall serves the college community admirably as an auditorium. When used as a gymnasium the large floor provides ample space for physical education activities, including games and roller skating, while retaining the galleries for use of spectators. There are also dressing rooms, showers, a large stage, doctor's examination room, and hydrotherapy rooms.

Swimming Pool

Swimming facilities are provided in a 36 by 60 foot building, containing dressing rooms and a concrete pool. Water is supplied for the pool by the College artesian well. The water issues from the ground at a temperature of 63 degrees. In the winter the water is steam-heated.

Campus School Building

The Campus School occupies a two-story building, which contains the office of the Director of Teacher Training, the Training School library, and classrooms for students of the first eight grades.

Library

A new reinforced concrete brick veneer building was occupied by the library in the spring of 1944. This is a modern fire-proof structure with facilities for individual and group study, seminars, microfilm work, leisure time reading, cataloging and library science laboratory work. The location of the library is adjacent to the administration building and readily accessible from the dormitories. Its two main reading rooms will seat two hundred fifty students.

Vocational Equipment

The vocational installations and equipment have been appointed by the College firstly for educational purposes—for training young people in vocations by means of which they may become self-supporting missionaries either at home or abroad; and secondly for the purpose of partial self-support while in college. Equipment has been provided for the mastery of the principles of baking, printing, book binding, dairying, refrigeration, laundering, woodworking and carpentry, machining, general merchandising, auto mechanics, poultry raising, and farming.

The College farm now consists of some 287 acres. A portion of this is adjacent to the campus while a 212-acre tract of alfalfa, grain and pasture is about two miles west of the campus. Besides supplying the hay for the dairy much of the fruit, vegetables and other farm produce for the cafeteria is supplied from the farm.

RELIGIOUS ACTIVITIES

Walla Walla College sponsors several organizations and activities which aid in training the students for Christian service.

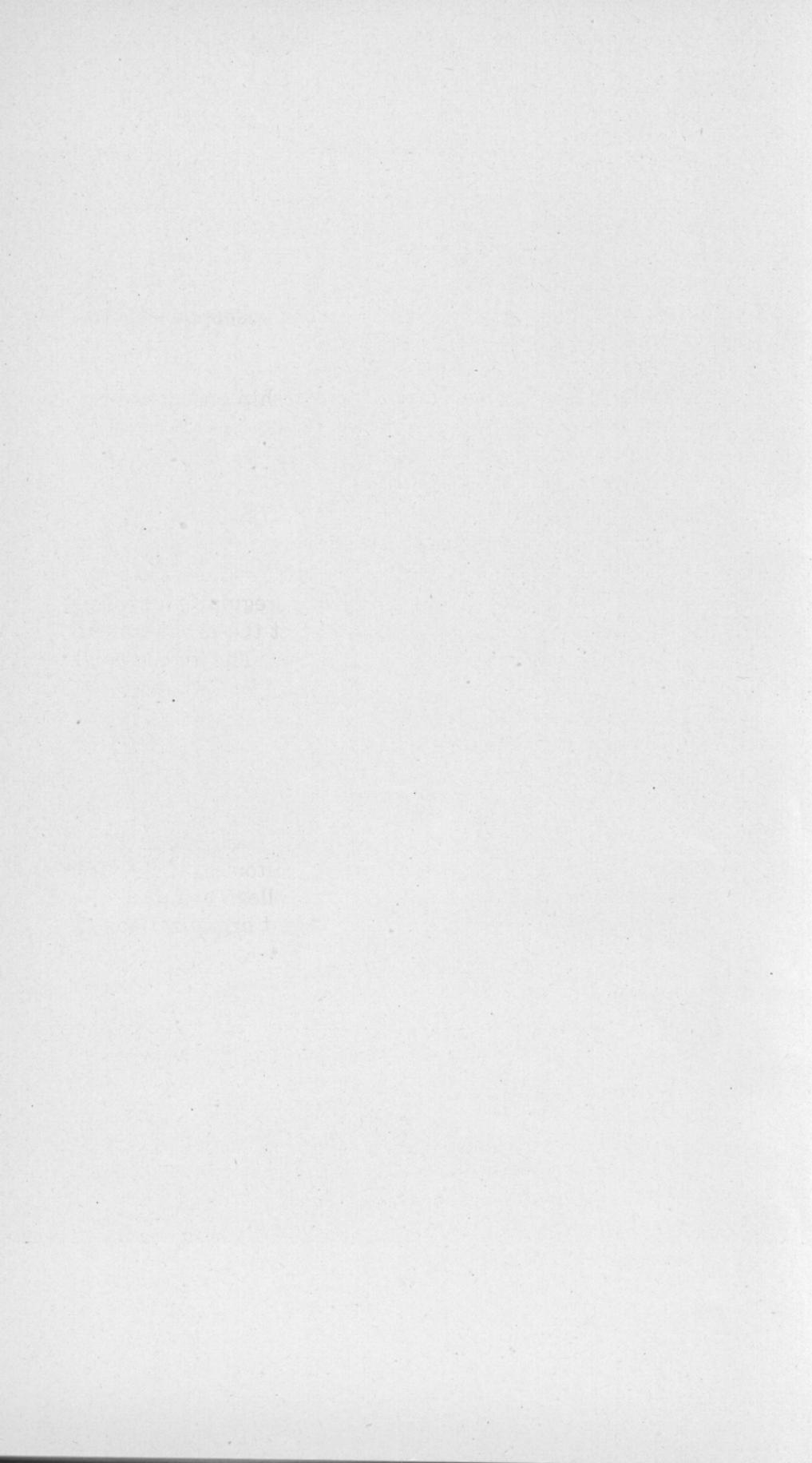
Church and Sabbath School

The College Place Church with a membership of over one thousand offers a training in missionary endeavor and church organization.

The Sabbath School develops leadership and teaching ability in college students who would develop their interests in its activities.



The Gateway To Service



Missionary Volunteer Society

The Missionary Volunteer Society has for its object the development, by theory and practice, of efficient missionary workers. Several auxiliary bands, such as foreign mission, literature distribution, sunshine, and correspondence, are under the direction of this organization.

Prayer Bands

The Prayer Bands under student leadership encourage the prayer life of the student body. These groups meet regularly and foster the spiritual life of the individuals who participate.

STUDENT ORGANIZATIONS

Associated Students

The Associated Students is an organization whose membership consists of all faculty members and regularly enrolled students. The Association has for its object the promotion of Walla Walla College ideals and activities. The two official publications of the Associated Students are *The Collegian*, the weekly newspaper of the College, and the *Mountain Ash*, the year book of the student body.

Societies and Organizations

Student organizations based on residence include Aleph Gimel Ain for the young women of Conard Hall, Omicron Pi Sigma of the young men of the College dormitories, and Alpha Kappa Sigma for students living off the College campus.

Various departments also sponsor student organizations to the special interests of their group. These organizations include the Paulist Sodality, the Pre-Medical Society, the Pegasus Club, the International Relations Club, Beta Mu, Kate Lindsay Guild, Teachers of Tomorrow, Theta Phi Delta, Applied Arts, Business Efficiency Club, A Tempo, Der Deutsche Verein, the Science Club, and the Biology Club.

PART III

Cost of Attendance

GENERAL INFORMATION

Deposit

The College operates on a cash basis, and requests that the students do the same. Before matriculating, students are required to make an advance deposit as follows:

Home Students	\$80.00
Village Students	40.00

This deposit takes the place of the advance charge for tuition and home expenses. The student will then pay his actual school charges at the close of each six weeks, holding the deposit in reserve until the last period of the school year or until he leaves school. A clearance card is issued at the business office when the deposit is made, and students are expected to present same to the deans, registrar, and at the dining hall, to show that financial arrangements have been made to enter school.

Expenses

Tuition and school expense is divided into six periods of six weeks each. Statements are rendered at the close of each six weeks and are due and payable two weeks after the close of each school period.

In case settlement has not been made within two weeks the student may be asked to discontinue his school work. Fees (entrance, laboratory, library, etc.) are payable at the end of the first, third, and fifth periods and are charged by the quarter. Students who register late are required to pay tuition for the quarter in the subjects in which they receive credit.

By action of the Board of Walla Walla College, all students are required to pay their accounts in full before diplomas, degrees, or transcripts are granted. A student whose account is overdue may not be permitted to take the final examination at the close of a quarter.

Refunds and Discounts

A refund on tuition is made only when the student withdraws for reasons approved by the faculty. A refund for dormitory charges is made for absences of more than two weeks caused by serious illness.

When three members of the same family are students in the College at the same time, a ten per cent rebate is made on tuition paid in advance for the period. A discount of five per cent is made to all students who pay their expenses for the school year in advance. The above discounts apply to all charges except fees.

How to Remit

In most cases it will be better for the parents to send money direct to the College, and not to their children. In doing so, draw all drafts, checks, orders, etc., in favor of "Walla Walla College." Students need but little spending money, and parents are urged to require a monthly statement of expenses from their children. Mail for the College pertaining to money matters should be addressed "Business Manager." Mail pertaining to the department of instruction should be addressed "President."

HOME EXPENSES

With two students occupying one room, the home expenses for each student for a six weeks' period are \$20.50 which includes plain laundering not to exceed \$1.10 weekly, and room furnished with steam heat and electric light up to 125 watts. This does not include the student's board. Students are required to sew name tapes to all articles of clothing sent to the College Laundry. Name tapes can be secured at department stores or mail order houses. Each dormitory student is required to work six hours a week, the amount earned to be applied on school expenses. Students failing to do this may be required to stay away from classes until such work is performed. The rate per hour to be paid the student will be set each period by the management and the heads of the vocational departments and will be based on ability, industry, and faithfulness of the student. Work assignments are made at the Business Office.

The charge of \$20.50 also entitles each dormitory student to seven days of general hospitalization during the school year in case of sickness, but it does not include the physician's charges or any extra services or fees. The college management will issue a requisition for hospitalization expense only on a written recommendation signed by the college physician,

the president, and one of the deans. An extra charge of 75c a period is made to each student occupying a corner room with two windows or a room with private water closet. A reduction of \$1.50 is made to those occupying rooms on the fourth floor of North and South Halls. A school home clinic is conducted in each dormitory daily by a registered nurse and all students are entitled to take advantage of the medical service offered. An additional charge is made for extra supplies, treatments, or cases of prolonged illness. The school nurses will not make calls in the village. The clinic hours will be announced at the opening of school.

Room Reservation

Students desiring a room reserved should send a deposit of ten dollars to the Business Office. Same will apply as part payment on the regular entrance deposit.

Board

The cafeteria plan of boarding is followed in the College home.

Board, Minimum for Six Weeks

Men	\$20.50
Women	18.50

(Students not living in the school homes are charged 25 per cent more with no minimum).

TUITION CHARGES

(For a Period of Six Weeks)

QUARTER CREDITS OF CLASS WORK

Fifteen or sixteen credits	\$40.00
Fourteen credits	36.40
Thirteen credits	33.80
Twelve credits	31.20
Eleven credits	28.60
Ten credits (Minimum for regular students)	26.00
Less than ten credits, per credit	2.60
Over sixteen credits, per credit	2.00

Special Tuition

Physical education is charged double tuition. Art with other subjects is charged double tuition; when taken alone, 50c for each two hours attendance per week.

Tutoring (by permission of Academic Standards Committee): for one student, triple tuition; for two to four students, double tuition; for more than four, regular tuition.

Student Activity and Health Fees

Five dollars for each quarter of attendance will be charged each student to cover matriculation, library, lyceum, health

service and gymnasium fees.

Since each student automatically becomes a member of the Associated Students of Walla Walla College, a fee of \$2.00 will be charged to each student for each quarter of attendance. This covers cost of *Collegian*, *Mountain Ash*, and the Association.

Special Fees

Late registration	\$1.00
Change of program	1.00
Special examination	1.00
Advanced standing credit by examination, per quarter credit	1.00
Recording of Preparatory School credit, per unit	2.50
Transcript of grades	
First transcript	no charge
Each succeeding transcript	\$1.00
Diploma	3.50
Degree	5.00

Laboratory Fees

	AMT. PER QUARTER	PER QUARTER CREDIT
Art		\$1.50
Astronomy	\$1.00	
Biology	5.00	
Microscopical Technique	7.50	
Bacteriology	4.00	
Chemistry	5.00	
Pre-Nurses Chemistry	3.50	
China Painting	1.50	
Clothing .....		.50
Experimental Cookery	2.50	
Food Study	4.00	
Design	1.00	
Industrial Arts		1.00
News Writing .....	.50	
Machine Shop	5.00	
Physics	4.00	
Physiology	4.00	
Practical Hygiene	2.00	
Radio Speech	1.00	
Student Teaching .....		.25
Surveying	1.00	
Teaching of Art	1.00	
Woodwork		1.00
Business Machines	3.00	
Tests and Measurements	2.00	
Photography	3.50	
Directing I	3.00	
Nutrition		1.00

Gymnasium

	AMT. PER QUARTER
Pool (for village students not registered in Physical Education)	\$1.00
Pool (for normal training pupils) once a week only .....	.50

	Typeewriter Rentals	AMT. PER QUARTER
Three hours weekly		\$1.50
Six hours weekly		2.75
Nine hours weekly		3.75

Estimated Expenses for Home Students

The following estimate is based upon the supposition that a student is carrying full work, is doing \$16.00 worth of work each school period for which he is credited, and is not taking any special work such as music or art:

	LOW	AVERAGE	LIBERAL
Tuition, Room, and Laundry (Labor deducted)	\$190.00	\$220.00	\$230.00
Fees (Library, Industrial, and Laboratory)	15.00	20.00	35.00
Board	130.00	150.00	180.00
Books and Stationery	10.00	20.00	30.00
Totals	\$345.00	\$410.00	\$475.00

MUSIC

Charges

Following are the rates of tuition for a period of six weeks. All charges are payable strictly at the end of each period.

Piano, Violin, Voice, 'Cello, or Organ, two lessons weekly	\$15.00
Piano, Violin, Voice, 'Cello, or Organ, one lesson weekly	9.00
Student Teachers:	

Piano, two lessons weekly	10.50
Piano, one lesson weekly	6.00

Piano, Violin, and Vocal Production Classes

Classes in Piano and Vocal Production meet twice a week. The charges are three dollars a period. Class enrollment is limited to ten.

Rentals

Piano, grand, one hour each day, per period	\$2.50
Piano, upright, one hour each day, per period	2.00
Piano, upright, two hours each day, per period	3.00
Organ, two manual, one hour each day, per period	2.50
Pipe Organ, one hour each day, per period	7.20
Pipe Organ, for less than five hours, per hour .....	.25
Piano rent for vocal students, per period	1.50

Longer periods of practice at reduced rates.

College Choir, Glee Club, Band, and Orchestra

All College Choir members will be charged \$1.00 per quarter to cover part of the expenses of music, robes, advertising, and programs.

All Glee Club, Band, and Orchestra members will be charged \$1.00 a quarter to cover part of the expenses for music, advertising, programs, etc.

Lessons

Lesson charges are made by the period. Refunds will be made only in case of prolonged illness. Lessons missed by the teacher will be made up during the quarter. Lessons missed by the student cannot be made up unless the instructor is notified within a reasonable length of time before the lesson period.

Withdrawal

Students are expected to make arrangements for withdrawal, and must settle accounts at the business office before leaving. A statement from the instructor must be submitted by each student pursuing a laboratory course, certifying that he has returned or satisfactorily arranged for all apparatus used by him.

SCHOLARSHIP PLAN

Students who enter the colporteur work for the purpose of earning school expenses have available the following four plans. The amounts in the last line are the delivery values which the student must deposit with his Book and Bible House in order to receive credit at the College Business Office in amount as indicated in the corresponding place in the first line. These scholarships are to be used for tuition, fees, board, room and laundry.

Amount of Scholarship	\$200.00	\$300.00	\$400.00	\$500.00
Scholarship Award, 30 per cent	60.00	90.00	120.00	150.00
	_____	_____	_____	_____
Amount for Student to Earn	\$140.00	\$210.00	\$280.00	\$350.00

Students wishing to avail themselves of the scholarship benefits must arrange to have the full amount of their required credit forwarded to the College before the close of the first six weeks of school.

TUITION ACQUIRED BY LABOR

Frequently, students who have not sufficient money to defray their expenses at the College are given employment in some industry connected with the institution. Thus many are assisted by the College management in their efforts to secure an education. One should not, however, expect to earn his entire expenses, as this is not compatible with good school work. Students are expected to take at least 10 credits of class work a quarter and are therefore limited in the amount

which they can earn through labor. (See page 32). Concerning employment of such help, the College Board has found it necessary to establish the following regulations: That where contracts are made with students to labor for tuition, if individuals thus earning tuition find it impossible to attend College, the Board will not obligate itself to redeem such tuition in cash; nor is it transferable, except by special arrangement with the Board. If the College in any instance redeems such tuition in cash, it shall be at a discount of not less than 25 per cent on the part of the holder on the total amount earned.

MISCELLANEOUS

Stationery, textbooks, and such other material as students need in their school work may be obtained at the College Store at reasonable prices. Merchandise and textbooks will not be sold on account unless students have a cash deposit at the business office in addition to the regular school deposit.

All rates quoted in this bulletin are subject to change without notice.

Students should bring their baggage checks to the College business office. No charge is made for hauling baggage during the first week of each quarter.

ALUMNI ASSOCIATION STUDENT LOAN FUND

The Alumni Association of Walla Walla College has available certain funds for assisting worthy students who have reached their senior year in the institution. All those who desire loans should make application with the registrar regarding such loans.

EVELYN McNAY-STEEN SCHOLARSHIP FUND

A fund primarily for assisting worthy young women beyond the freshman year. For information, apply to the registrar.

BEQUESTS AND DONATIONS

Since it is highly important that the College Board should not be hampered by a lack of funds in its efforts to give the very best training to our young people, we invite those whom God has blessed with means to remember the cause of Christian education. All bequests and donations should be made payable to Walla Walla College, College Place, Washington.

PART IV

General Regulations

Government

In all matters pertaining to personal conduct, students are expected to behave as responsible citizens and members of a Christian community. Any student who becomes antagonistic to the spirit and methods of the institution, thereby severs his connection with the College. Every effort will be made to stimulate the student to honest, conscientious work, but the College is not willing to undertake the problem of governing students who are not in sympathy with its purposes.

General Regulations

Persons coming to College Place for purpose of entering any department of the College are subject to its government from the time of their arrival; and whenever a student has entered the College, he is under its jurisdiction until his connection is formally terminated by graduation or otherwise.

Walla Walla College publishes a Student Manual which gives detailed information as to the regulations and standards of the College. Students are expected to observe all regulations in the Student Manual as fully as those of the BULLETIN, and they should familiarize themselves with the same. A copy may be secured from the registrar.

Any regulation adopted by the Board or faculty and announced to the students shall have the same force as if in print.

Citizenship

The standing of a student in the school is based upon his scholastic attainments as well as upon his attitudes, general conduct, and decorum. The student's rating as a citizen in the College community is indicated at certain times during the year and is based upon definite items of attitude, conduct, and faculty judgment.

Residence

The board of managers, believing that it should have full control of those for whom it is held responsible, requires all unmarried students to board and room at the College. Students who must find some means of self-support may be permitted, on application, to make other arrangements for their accom-

modations. Applications are made on forms provided by the Board, and must be approved before these arrangements are completed. The faculty will refuse to matriculate students who fail to comply with these regulations. Students who have received permission to live in the village are subject to call into the school homes at any time.

Chapel

On three days each week religious services are held in the College chapel and all students are required to attend. For each unexcused absence exceeding two in a quarter, the student will receive one demerit. All demerits will appear as part of the permanent school records and will also appear on grade cards and credit transcripts. A student whose demerits for any quarter exceed two will be subject to discipline.

Sabbath Observance

The seventh-day Sabbath is observed in Walla Walla College, and all students are expected to deport themselves in harmony with the day. The student's devotional service is held on Friday evening. The Sabbath School convenes at 9:30 o'clock Sabbath morning; the church service is held at 11 o'clock. All students are expected to attend these services.

Moral Conduct

Students must abstain from indecent or disorderly behavior, from profane and unbecoming language, from visiting billiard rooms or gambling places, from attending the theater, motion pictures, or any other entertainments not approved by the College, from indulgence in alcoholic beverages, from card playing and from having cards in their possession, from having or reading pernicious literature, and from improper associations.

Social Standards

Walla Walla College is a co-educational institution and as such recognizes the proper associations of its citizens. Attendance at evening programs and at other social functions is permitted in harmony with specific standards which are set forth in the Student Manual.

Use of Vehicles

Students are requested not to bring automobiles or motorcycles to the institution. Those who bring such vehicles to the College will be required to place them in storage at their

own expense, and deposit their keys and license plates with their dean. In cases of absolute necessity, students may secure a special permit from the administration allowing them to use their vehicle for specified purposes.

Medical Examination and Service

At the time of entrance to the College each student is required to submit evidence of a standard physical examination or to have such examination under the direction of the College physician. Throughout the year a limited free service is rendered for minor ailments to home students by the school nurse. For prolonged illness a reasonable charge is made. The Walla Walla Sanitarium provides complete health service at a discount to students.

Vacation Absences

A penalty of one dollar will be charged (up to a maximum of five dollars) for each class missed before and after each vacation, respectively.

Miscellaneous

The College cannot be held responsible for the personal property of any student.

Each student will be required to pay for damage done by him to school property; if the damage is not reported within twenty-four hours, double the amount of replacement will be charged.

THE SCHOOL HOMES

The administration of the College believes that the purpose of the institution can be attained more successfully when students live in the school homes. Here amid comfortable, home-like influences, students may become efficient in the cultivation of those habits of life and graces of character which distinguish the refined Christian man and woman. These years in the lives of students are usually the formative ones, when habits of promptness, neatness, self-control, Christian courtesy, and ideals of association may be fixed. The value of such training is regarded by many as the best part of an education for life.

Daily association of earnest young people should develop strong Christian character in every student who desires to become useful. Attractive and homelike parlors are provided

in each dormitory for group entertainments and for the general use of the students during leisure time.

Pledge

Students who enter the College homes are understood by that act to pledge themselves to conform cheerfully to all regulations printed or announced.

Study Hour

In order to provide an atmosphere of study, quietness is maintained during the evening study period. Permission must be secured from the dean for any necessary absence from the school homes during the study hours. Students are not expected to receive visitors or telephone calls during this time except in cases of emergency.

Leaving the Campus

Since it frequently happens that students are unexpectedly called for, and since students are responsible to those in charge of the homes, no one should leave the campus for any length of time without arranging with their dean.

Students who find it necessary to be absent from the home after the retiring hour, should make previous arrangement with their dean for entrance. Any attempt to enter by other than the regular means will be considered a misdemeanor.

Callers

The dormitories are private homes. Persons who call upon members of the home family will show the same courtesies that they would if they were calling at any other private home. Young women may receive gentlemen callers in the parlors by permission from the dean of women.

Rooms

A ten dollar deposit will insure having a room upon arrival on the campus. Students living in the homes are required to care for their own rooms, and are expected to observe habits of neatness and carefulness about the premises.

When a student leaves school his room should be neat and clean. Failure to do this will incur a charge of one dollar.

Every student is expected to bring his own bedding—three sheets, three pillow cases, a bedspread, a pillow, blankets or comforters, towels, dresser scarfs, curtains, a drinking glass,

a laundry bag, and a cover for the study table. A bathrobe or kimono, and slippers should be provided for use during study hours. All girls expecting to work in the kitchen or laundry should bring three white smocks, made of light material.

Because of hazards of accident or fire, students are not permitted to possess firearms, candles, or lamps in their rooms. Electrical appliances may be used only after being approved by the dean, and will be subject to a charge of \$1.00 per period each.

Radios and phonographs are not allowed in the dormitory rooms. Radios are provided in the dormitory parlors for the use of resident students.

Worship Attendance

Attendance at evening and morning worship, Sabbath School, and Sabbath morning services is expected. If the student is ill or for some good reason cannot attend these meetings he should obtain permission from his dean; he will then be expected to remain quietly in his own room.

A student may be absent from morning worship three times each six-week period without giving excuse. Unexcused absences are subject to discipline.

Preparatory Students

Students of preparatory grades (9-12) are not received into the dormitories.

PART V

Administration of the Curriculums

The College is open to all worthy persons of either sex who come for the purpose of doing earnest, faithful work. Every student who presents himself for admission to the College thereby pledges to observe all its regulations. When this pledge is broken, the student forfeits his membership with the institution.

FRESHMAN WEEK

An introductory period of four days known as Freshman Week is devoted to the induction of new students into college life. It is essential that new students be in attendance. Several tests are given during this period which serve as a reliable basis for advising and assisting students in planning their college programs.

Psychological Examination

This test is a measure to some extent of college aptitude, and the results are of value in arranging the student's study program.

English Placement

All students entering as freshmen are required to take a preliminary examination in the principles of English usage and grammar. The examination requires evidence of the ability of the student to apply these principles in writing.

No charge is made for these tests if they are taken at the appointed time.

Physical Examinations

A physical examination is required each year of all students entering the College. The charge for this examination is included in the matriculation fee.

ADMISSION TO THE FRESHMAN CLASS

Candidates for admission to the College should submit formal application for admission made on the Washington uniform application for admission to higher institutions, provided by the registrar. This application, which will include a transcript of credit, should be sent by the high school or academy to the registrar of the College in ample time to be evaluated before the opening day of registration. Failure to

file credentials early may result in delayed registration and unsatisfactory classification.

Credentials which are accepted toward admission become the property of the College and are kept on permanent file.

A student who for any reason is permitted to register temporarily will not be permitted to remain in school longer than one quarter without presenting a transcript.

Entrance Requirements

The following credits must be included among the sixteen required for entrance.

Bible, 3 units, or one unit is required for each year of attendance in a Seventh-day Adventist academy to the extent of three units.

English, 3 units.

Foreign language, 2 units. (Both units in the same language.)

History, one unit.

*Mathematics, one or two units. (Geometry required.)

Science, one unit of laboratory science.

Freshman

Admission to freshman standing may be obtained by one of the following methods:

By Certificate. A graduate of an accredited secondary school provided he has an average of C and can furnish satisfactory recommendations and official transcripts of credits.

By Examination. A graduate of an unaccredited school or an applicant who is not a graduate or who is unable to furnish transcript of credits may qualify for freshman standing by passing examinations. A fee of one dollar will be charged for each examination and two dollars and fifty cents for recording each unit of credit.

Provisional Admission. An applicant for admission who presents fifteen or sixteen acceptable units, and who is deficient in not more than two of the prescribed units, may be admitted provisionally; but these deficiencies must be made up during the first year of residence.

Late Registration

The fee for late registration is \$1.00 for the first day after the regular registration period, and \$1.00 additional for every day late thereafter to a maximum of \$5.00. No student will be permitted to register after the first week of any quarter except by special permission of the instructors under whom he wishes to register.

*Algebra and geometry are entrance requirements for pre-medical and pre-nursing courses.

Partial Course Load

Students who must earn part of their way through school should plan to carry a lighter scholastic load. The following schedule is recommended:

AMOUNT OF WEEKLY OUTSIDE WORK	WEEKLY COURSE LOAD
Under twenty hours	16 credits
From twenty to twenty-four hours	12-14 credits
From twenty-four to thirty hours	10-12 credits

Restricted Enrollment

If at the end of the first six weeks of any quarter a student fails to maintain an average of one-half honor credit for every hour of registration, he is given a probationary status. If at the end of the following quarter a student has failed to maintain this average, he will be asked to withdraw from the college for one or more quarters. He can be reinstated only by vote of the faculty.

During the time a student is on probation his extracurricular activities will be limited.

Private Lessons

No student will be permitted to take or give instruction in or away from the College except by permission from the Committee on Academic Standards. Correspondence work will not be accredited to students who are in the College and who have the opportunity of taking the subjects there.

CLASS REGULATIONS*Enrollment*

A student is enrolled for a course only on presentation of a class card from the registrar's office.

Class Attendance

The student is responsible for regular attendance at all sessions of classes in which he is enrolled. When a student's absences in a class exceed twice the number of meetings of the class per week, the student forfeits or jeopardizes his grade for the quarter. All work missed by absence must be made up to the satisfaction of the instructor.

Changes in Registration

Changes in registration, properly endorsed by the registrar, may be made during the first week following registration days. No change in registration involving entrance into a

new course will be permitted after the first week (seven days) following the beginning of instruction except by permission of the instructor and the registrar.

A charge of one dollar will be made after the first week for each change of registration not necessitated by the rules of the College.

Withdrawals

A student may withdraw from a course if he has justifiable reasons for doing so. Application must be made to the registrar, who will ascertain the standing of the student, and if passing, a grade of withdrawal will be given. Otherwise a grade of failure will be recorded. In either case the course must be repeated to receive credit. Permission for withdrawal must be obtained from the instructor.

No withdrawal from a course will be accepted during the last two weeks of the quarter. Courses dropped without permission will be marked F on the registrar's books.

Notification to an instructor is not a sufficient notice.

Course Load

The normal course load for all students is sixteen quarter credits per week. No student is allowed to register for less than ten credits of work without permission from Academic Standards Committee. No freshman will be allowed to carry extra work. Sophomores, juniors and seniors may register for eighteen quarter credits provided their average for the previous quarter was B.

No student will be allowed to add to his load by giving or receiving instruction, except by permission of the Committee on Academic Standards.

CLASS STANDING

Freshman Standing

A student is ranked as a freshman when he has satisfied the entrance requirements.

Sophomore Standing

A student is ranked as a sophomore who has satisfied all entrance requirements and has a total of 36 quarter credits and 36 honor points.

Junior Standing

A student is ranked as a junior who has a minimum of 84 quarter credits and 84 honor points. The following classes of students who have been checked by the registrar are eligible for junior class membership:

1. Those completing any three-year course during the current year.
2. Those who can finish a four-year college course by the end of the following school year.

Senior Standing

A student is ranked as a senior who has met all freshman and sophomore requirements, has at least 136 quarter credits and 136 honor points, and can finish a senior college course during the current school year.

Special Students

A person who is at least twenty-one years of age who cannot fulfill the regular admission requirements for freshman standing, may be permitted to take certain courses for which the instructors consider him qualified. Special students are not eligible for a degree. They may ultimately become candidates for a degree, however, by completing the admission requirements of the college.

Auditors

A student may be admitted to a class as an auditor with the permission of the instructor whose class he desires to attend. No credit is allowed for audited work. Auditors must register with the registrar and pay one-half tuition for the course.

EXPLANATION OF CREDITS

One credit is given for a course meeting for one lecture or class discussion per week for one quarter. Work done in the laboratory is counted on the basis of one credit for three hours in the laboratory. Vocational work, or courses demanding no outside preparation, require a minimum of three hours of work for one credit.

Honor Points

Three honor points are given for each quarter credit of work of an A grade, two honor points for each quarter credit

of B, and one honor point for each quarter credit of C. A grade of D gives no honor points, and F deducts one honor point for each credit.

EXAMINATIONS

Special examinations are given at a regular fee of \$1.00, payable in advance at the registrar's office. They may be either examinations for credit on work for which credentials cannot be supplied, or examinations taken at other than the time set for such regular examinations.

No credit can be earned in this way except by permission of the Committee on Academic Standards.

Credit earned in a subject by examination when the student is not regularly enrolled in the course is charged for at the rate of \$1.00 per quarter credit.

SCHOLARSHIP STANDING

Reports of scholarship standing are made in duplicate to the student and his parents at the close of each quarter. These reports are made in accordance with the following system of marking:

A, superior; B, above average; C, average; D, below average; E, conditioned; F, failure; I, incomplete; W, withdrawal in good standing; WF, delinquent at time of withdrawal; Au, audit course.

E may be given the student of below average scholarship who fails in examination or who has some other work incomplete. If the work is not completed during the following quarter it becomes F. No grade above D may be recorded in the course in which the original grade was E. I is a temporary grade given to a student of average or better scholarship in the case of incomplete work or of absence from examination if approved by the instructor because of illness or other justifiable reason. An I must be removed during the quarter following that in which it was incurred; otherwise it becomes E, and the final grade may not be raised above D.

Incompletes will not be given unless arrangements are made beforehand with the teacher, and a definite time limit set for the work to be completed.

The same rule regarding incompletes applies to students who drop out of school as to students who continue in school.

Not more than one attempt will be allowed the student in which to remove an incomplete or a condition.

Students who have incompletes should adjust their course load the following quarter so that the work may be made up without jeopardizing the grades for that quarter.

If a student receives F in any course it will be necessary for him to repeat the course in residence in order to receive credit for it except by permission from the Committee on Academic Standards.

If a student fails in a course with us and then repeats the course with us, making a satisfactory grade, the failure will not be considered in computing his honor points.

A student failing to earn honor points in a course may not present credits from another school in the course or in a course in direct sequence to apply toward graduation.

Altering Grades

Grades once recorded by the registrar may not be changed except by the student registering again and repeating the course unless it is an error made by the instructor.

Transcripts

A student who wishes to send transcripts of his record to other institutions will be furnished the first copy without charge. A fee of \$1.00 will be charged for each transcript thereafter.

Credits are not accepted after a student has ceased residence in the college.

LOWER AND UPPER DIVISION COURSES

Course Numbers

Courses numbered 1-49 are of freshman level; 50-99, sophomore level; 100-149, junior level; 150-200, senior level.

Upper division courses may not be taken until the preparatory work is completed, and also the following lower division requirements:

Religion	12 credits
Freshman English	9 credits
Physical Education and Health	6 credits

Uncompleted hyphenated courses are not counted toward the completion of any course or a degree.

Upper division students may receive upper division credit in a limited number of lower division courses. To receive such credit a student must have permission from his major professor; he must do special work under the direction of the instructor; he must earn a grade not lower than B; he must do the work assigned for upper division the year he is taking the course.

Sophomores desiring to earn upper division credit in upper division courses must maintain a B average and receive permission from the registrar, to receive such credit.

Lower division students may not earn extra credit in a course by doing additional assigned work unless recommended by the Registrar.

Extension Work

The extension work is done by the Home Study Institute of Washington, D. C., which serves as the Extension Division of the Associated Colleges of Seventh-day Adventists. Full credit will be given for courses taken through the Institute.

College students in courses who wish to apply college credits earned by extension on the requirements for a diploma or a degree should obtain permission to do so from the Committee on Academic Standards. Validation examinations are required at the discretion of the committee.

Transfer Students

An applicant who has attended another institution of collegiate rank must have forwarded to the registrar of the College a transcript of advanced standing embodying a statement of honorable dismissal. Transferred students must have maintained a C average in all courses accredited toward graduation.

It is obligatory to submit at entrance, records from all schools previously attended.

A student who cannot present a transcript of advanced standing may be admitted by examination.

Examinations for advanced credit must be taken before the end of the second week of the first quarter in which the student makes his initial entrance into college.

Transcripts of advanced standing are not evaluated finally until the student has been in residence at Walla Walla College

one quarter and the quality of his work is determined.

A student transferring from a non-accredited college or university will be enrolled with conditional status, with tentative credit for such advanced standing as his transcripts may justify, as interpreted by the Committee on Academic Standards. If, after one quarter, the student maintains at least a C average in a normal program, he will be accepted as a regular student with full credit for such advanced standing as is allowed by the committee upon evaluation of his transcript. Failure to meet this standard will delay or prevent graduation.

No student who has been dropped from another institution on account of poor scholarship, or who is on probation from such institution, will be eligible for enrollment in the College until he can qualify for re-admission to the institution from which he has been dropped.

Credit from Junior College

The maximum amount of credit allowed from a junior college is one hundred eight credits.

Registration Regulations

Every student is required to register each quarter. Registration is for one quarter only.

The acceptance of entrance credentials, the completion of entrance tests, and the payment of fees constitute full admission to academic membership in the College.

Matriculation includes the filling out of information blanks, the selection of studies for the quarter, and the payment of the initial fee.

Physical Education Requirements

Regular freshman and sophomore courses in physical education are arranged for men and women. Medical Cadet Corps is required of the men, and recommended for the women.

These courses are required of all freshmen and sophomore students under twenty-five years of age. Exemptions from these requirements may be granted on written applications approved by the President on recommendation of the physical education instructor. For reasons of a physical nature, exemptions may be granted on the recommendation of the college physician.

PART VI

Senior College Courses

GRADUATION

Degrees and Diplomas

Courses are offered leading to the degrees, Bachelor of Arts, Bachelor of Arts in Elementary Education, Bachelor of Science, Bachelor of Science in Manual Arts, Bachelor of Science in Nursing Education, and Bachelor of Theology. Those who complete the preparatory medical course and two years at the College of Medical Evangelists will receive the degree of Bachelor of Arts.

Candidates for graduation from any curriculum are required to file with the registrar, not later than three weeks after the opening of the third quarter preceding graduation, a copy of their proposed schedules of courses for the three quarters preceding graduation.

Each professional or college senior, shall, before registering for the third quarter of his senior year, file a formal application with the registrar for his diploma or degree, accompanied by the required fee.

Applicants who are late in filing their applications cannot be assured of recommendations to the faculty.

A degree student shall have the option of being held to the graduation requirements published in the catalogue under which he enters or for any year of attendance following, provided he does not discontinue his work at one time for longer than two quarters. All responsibility for fulfilling the requirements for graduation shall be thrown upon the student concerned.

Major Study

Not later than the beginning of the *sophomore* year the student should select a major study in which at least forty-five credits of work must be done to obtain a degree. Immediately after selecting his major study, the student should consult the head of the department in which the major study is to be taken, for advice concerning the choice of a minor study and appropriate electives.

From twenty-one to twenty-four credits of a student's

major study should be in upper division courses. Majors may be obtained in the following: Biology, Business Administration, Chemistry, English Literature, History, Home Economics, Mathematics, Ancient Languages, German, Physics, Secretarial Science, Music, and Manual Arts. Those desiring to specialize in Bible should consult the School of Theology for courses.

A student desiring to select a major in his senior year, must have not more than twenty-seven credits of his major to complete.

Minor Study

At least twenty-seven credits of work must be done in the minor study, three credits of which must be upper division. Minors are available in the following: Bible, Greek, Biology, Business Administration, Chemistry, Education, English Literature, English Composition, Speech, History, Home Economics, Journalism, Mathematics, Spanish, German, Physics, Secretarial Science, and Manual Arts.

A grade of D does not count on a major or a minor but may count on other upper division courses.

Pro-Seminar Courses

Pro-seminar courses may not be taken until nine credits in education have been completed. These courses may count on a minor in education.

Music Credit Allowed on a Degree Course

Not more than nine credits of applied music may be allowed as elective without credit in theoretical music. For each additional credit of applied music to be used as elective credit there must be at least one credit in theoretical music.

A maximum of three credits on ensemble work may be used toward graduation from the general college curriculum.

Senior Class Membership

Candidates for graduation from the College must present a minimum of sixty credits in upper division courses.

All candidates for degrees must be members of the senior class. All credits, including correspondence work and incompletes incurred at the end of the winter quarter, must be filed in the registrar's office by the end of the first six weeks of the spring quarter. Students failing to meet this requirement will be asked to withdraw from the graduating class.

No senior may take prescribed freshman courses for credit toward the 192 credits required for graduation.

Residence Work

Candidates for degrees, with the exception of medical students, must spend their senior year, 36 weeks, in residence at the College, and earn a minimum of 36 credits. Other candidates for graduation must complete the senior year's work of at least thirty-six credits in residence.

A Second Bachelor's Degree

The college does not issue a second degree of the same kind, but a student who has received a B. A. degree may continue his work and earn a B. S., B. Th., or vice versa. If one wishes to take a second degree, he must complete forty-five credits and be in residence three additional quarters.

Vocational Credit

The vocational requirement for a bachelor's degree may be met by presenting nine credits from the following: manual arts, agriculture, auto mechanics, baking, home economics, machine shop, printing, typing, shorthand, commercial lettering, one-half of the library science course, and accounting. A minimum of six credits must be presented in one vocation.

Senior Students Transferring

A senior student transferring from another college must do at least nine credits of upper division work in his major subject in this college, and a minimum of three credits in his minor.

REQUIREMENTS FOR GRADUATION

Degrees

*The degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Manual Arts is conferred upon students who have fulfilled the following conditions:

1. Complied with all entrance requirements. (See page 30).
2. Completed one hundred ninety-two quarter credits of college work as indicated under the various curriculums. At least sixty credits must be in upper division courses. The senior year's work of at least thirty-six credits must be done in residence.
3. Maintained a C average.

*For B.Th. degree requirements see page 105.

4. Earned at least forty-five credits in a major study in one department and a minimum of twenty-seven credits in an appropriate minor study. A minimum of twenty-one credits of the major study must be in upper division courses. No grade lower than C will be counted on a major or a minor.

5. Satisfied the following specific requirements:

Religion	24 credits
History	9 credits
*Education and Psychology	9 credits
†Language, Ancient or Modern	15-30 credits
English	9 credits
Basic Science	
Elect Chemistry, Physics, Physiology, Biology, or Mathematics	12 credits
Vocational	9 credits
Physical Education and Health (Medical Cadet required)	6 credits

Majors in Business, Secretarial Science, Home Economics, Manual Arts, and Nursing Education may be excused from foreign language.

Requirements for a Major in Music

Prerequisites: Sightsinging I, Directing I, Fundamentals, Advanced Standing in Applied Music.

(Prerequisites may be waived only by recommendation of the Music Faculty.)

FIRST YEAR					
Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Applied	2	Applied	2	Applied	2
Harmony I	2	Harmony I	2	Harmony I	2
Theory I	1	Theory I	1	Theory I	1
Ensemble	½	Ensemble	½	Ensemble	½
Bible	2	Bible	2	Bible	2
English	3	English	3	English	3
Language	5	Language	5	Language	5
Physical Education	½	Physical Education	½	Physical Education	½
	—		—		—
	16		16		16
SECOND YEAR					
Applied	2	Applied	2	Applied	2
Harmony II	2	Harmony II	2	Harmony II	2
Theory II	1	Theory II	1	Theory II	1
Directing II	1	Directing II	1	Directing II	1
Ensemble	½	Ensemble	½	Ensemble	½
Bible	2	Bible	2	Bible	2
Psychology	3	Psychology	3	Principles of Edu.	3
History	3	History	3	History	3
Physical Education	½	Physical Education	½	Physical Education	½
Elective	1	Elective	1	Elective	1
	—		—		—
	16		16		16

*Principles of Education required.

†Fifteen credits to be waived if two secondary units are presented in the college elected language.

THIRD YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Applied	3	Applied	3	Applied	3
Counterpoint	2	Counterpoint	2	Counterpoint	2
Bible	2	Bible	2	Bible	2
Science	4	Science	4	Science	4
Health Principles	3	Elective	3	Elective	3
Elective	2	Elective	2	Elective	2
—	—	—	—	—	—
16		16		16	

Junior Recital

FOURTH YEAR

Applied	4	Applied	4	Applied	4
History of Music	3	History of Music	3	History of Music	3
Form and Analysis	2	Form and Analysis	2	Form and Analysis	2
Bible	2	Bible	2	Bible	2
Elective	5	Elective	5	Elective	5
—	—	—	—	—	—
16		16		16	

Senior Recital

The Senior Recital should be presented for the Music Faculty two weeks before the Senior Recital date. Those assisting on either Junior or Senior Recitals shculd be chosen from those studying in the department and arranged for through the Music Faculty.

Piano, vioce, and violin credits based on:

2 credits for 1 lesson and 12 hours practice per week.

3 credits for 1 or 2 lessons and 18 hours practice per week.

4 credits for 2 lessons and 24 hours practice per week.

Course Outline for Major in Business Administration

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Prin. of Accounting	3	Prin. of Accounting	3	Prin. of Accounting	3
Prin. of Economics	3	Prin. of Economics	3	Prin. of Economics	3
Freshman English	3	Freshman English	3	Freshman English	3
Life and Teachings	2	Life and Teachings	2	Life and Teachings	2
History	3	History	3	History	3
Physical Education	1½	Physical Education	1½	Physical Education	1½
Elective	½	Elective	½	Elective	½
—	—	—	—	—	—
16		16		16	

SECOND YEAR

Intermed. Accounting	2	Intermed. Accounting	2	Intermed. Accounting	2
Fund. of Ch. Belief	2	Business Law	3	Business Law	3
Health Principles	3	Fund. of Ch. Belief	2	Fund. of Ch. Belief	2
Psychology	3	Psychology	3	Prin. of Education	3
Science	4	Science	4	Science	4
Electives	2	Electives	2	Electives	2
—	—	—	—	—	—
16		16		16	

THIRD YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Cost Accounting	3	Cost Accounting	3	Budgets	3
Market. and Advert.	2	Market. and Advert.	2	Market. and Advert.	2
Business Finance	2	Business Finance	2	Business Finance	2
Bible	2	Bible	2	Bible	2
Minor or Electives	7	Minor or Electives	7	Minor or Electives	7
—	—	—	—	—	—
16		16		16	

FOURTH YEAR

Adv. Accounting	2	Adv. Accounting	2	Adv. Accounting	2
Money and Banking	3	Money and Banking	3	Business Machines	3
Statistics	2	Statistics	2	Prob. in Bus. or Econ.	2
Bible	2	Bible	2	Bible	2
Minor or Electives	7	Minor or Electives	7	Minor or Electives	7
—	—	—	—	—	—
16		16		16	

Course Outline for Suggested Major in Secretarial Science

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Bible	2	Bible	2	Bible	2
Freshman English	3	Freshman English	3	Freshman English	3
Shorthand I	3	Shorthand I	3	Shorthand I	3
†Typing I	1	†Typing I	1	†Typing I	1
Economics	3	Economics	3	Economics	3
Psychology	3	Psychology	3	Principles of Ed.	3
Physical Education	½	Physical Education	½	Physical Education	½
Lettering	½	Lettering	½	Lettering	½
—	—	—	—	—	—
16		16		16	

SECOND YEAR

Bible	2	Bible	2	Bible	2
Prin. of Accounting	3	Prin. of Accounting	3	Prin. of Accounting	3
Shorthand II	2 <i>11.10</i>	Shorthand II	2	Shorthand II	2
Typing II	1 <i>10.75</i>	Typing II	1	Typing II	1
History	3 <i>8.88</i>	History	3	History	3
Physical Education	½	Physical Education	½	Physical Education	½
Health Principles	3 <i>1.00</i>	Elective	3	Elective	3
Elective	1½	Elective	4½	Elective	1½
—	—	—	—	—	—
16		16		16	

THIRD YEAR

Bible	2	Bible	2	Bible	2
Advanced Dictation or News Writing	2	Advanced Dictation or News Writing	2	Advanced Dictation or News Writing	2
Science	4	Science	4	Science	4
Office Procedure	2	Office Procedure	2	Office Procedure	2
Elective	6	Elective	6	Business Machines	3
—	—	—	—	Elective	3
16		16		16	

†Special typing may be substituted by permission of the instructor. See course B.A. 11A.

FOURTH YEAR			
Autumn Quarter	Credits	Winter Quarter	Credits
Bible	2	Bible	2
Advanced Dictation or News Writing	2	Advanced Dictation or News Writing	2
Methods in Teaching	1	Methods in Teaching	1
Elective	11	Elective	11
—	—	—	—
	16		16

Outline of Bachelor of Science Course

This degree is granted to science students completing a minimum of 90 hours in combined science and mathematics.

FIRST YEAR			
Autumn Quarter	Credits	Winter Quarter	Credits
Bible	2	Bible	2
Freshman English	3	Freshman English	3
Chemistry or Biology	4	Chemistry or Biology	4
Mathematics	4	Mathematics	4
Vocational	3	Vocational	3
Health Principles	3	Education	3
Physical Education	½	Physical Education	½

SECOND YEAR			
Autumn Quarter	Credits	Winter Quarter	Credits
Bible	2	Bible	2
Second Year Language	5	Second Year Language	5
Mathematics	4	Mathematics	4
Physics or Chem.	3-5	Physics or Chem.	3-5
Physical Education	½	Physical Education	½

THIRD YEAR			
Autumn Quarter	Credits	Winter Quarter	Credits
Bible	2	Bible	2
History	3	History	3
Language	0-5	Language	0-5
Major Physics	3-8	Major Physics	3-8
Chemistry		Chemistry	
Biology		Biology	
Mathematics		Mathematics	
Health	3	Education	3
		Education	3

FOURTH YEAR			
Autumn Quarter	Credits	Winter Quarter	Credits
Bible	2	Bible	2
Major Physics	6-10	Major Physics	6-10
Chemistry		Chemistry	
Biology		Biology	
Mathematics		Mathematics	
Education	3	Elective	4-8
Elective	1-5	Elective	4-8

Bachelor of Science in Nursing Education

A Bachelor of Science in Nursing Education degree is offered to registered graduate nurses who have met the following prerequisites:

- a. Graduation from an accredited secondary school or its equivalent.
- b. Completion of the pre-nursing curriculum.
- c. Graduation from an accredited Seventh-day Adventist school of nursing or its equivalent with credits meeting a minimum evaluation of 81 quarter hours.

If a student satisfactorily fulfills the above requirements, four quarters will be necessary to complete the work for the degree. It is strongly recommended that the required quarters commence with the summer quarter.

Course Outline for Major in Nursing Education

SUMMER QUARTER

Educational Psychology	3 credits
Philosophy of Education	3 credits
Tests and Measurements	3 credits
Bible (upper division)	6 credits
<hr/>	
15 credits	

SCHOOL YEAR SESSION

	<i>Autumn</i>	<i>Winter</i>	<i>Spring</i>
Introduction to Nursing Education.....	3		
Ward Teaching and Management.....	3		
Teaching of Nursing Arts.....			
Curriculum in Schools of Nursing.....			3
Supervision in Schools of Nursing.....		3	
Organization, Admn. of Schools of Nursing.....	3		
Current Trends in Nursing.....			3
Speech	2	2	2
History (upper division)	2	2	2
Electives (upper division)	6	6	3
	<hr/>	<hr/>	<hr/>
	16	16	16

Electives: Physiology, Embryology, Sanitary Bacteriology, Genetics, Parasitology, Nutrition and Experimental Cookery, Biochemistry.

Two-Year Course in Nursing Education

Graduate registered nurses meeting requirements "a" and "c" who have not had the pre-nursing subjects will be required to take 48 hours in addition as follows:

Pre-nursing Chemistry	9 quarter hours
Microbiology	6 quarter hours
English	9 quarter hours
Education	6 quarter hours
Religion	6 quarter hours
Electives	12 quarter hours

Bachelor of Science in Manual Arts

The following schedule of classes is recommended for candidates for the degree of Bachelor of Science in Manual Arts:

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Bible	2	Bible	2	Bible	2
English	3	English	3	English	3
Mathematics	4	Mathematics	4	Mathematics	4
Major	3	Major	3	Major	3
Elective	4	Elective	4	Elective	4
—	—	—	—	—	—
16		16		16	

SECOND YEAR

Bible	2	Bible	2	Bible	2
Physics	4	Physics	4	Physics	4
Major	3	Major	3	Major	3
Elective	7	Elective	7	Elective	7
—	—	—	—	—	—
16		16		16	

THIRD YEAR

Bible	2	Bible	2	Bible	2
Major	4	Major	4	Major	4
Elective	10	Elective	10	Elective	10
—	—	—	—	—	—
16		16		16	

FOURTH YEAR

Bible	2	Bible	2	Bible	2
Major	5	Major	5	Major	5
Elective	9	Elective	9	Elective	9
—	—	—	—	—	—
16		16		16	

NOTE: Among the electives must be included 9 credits of history, 9 credits of education, 0-15 credits of languages, 6 credits of physical education and health, and 27 credits in a minor.

*Standards of Certification for Teachers in Seventh-day Adventist Secondary Schools**Certificates*

The General Conference Department of Education has provided two types of certificates for teachers of secondary subjects, a five-year certificate and a life certificate. The first, the Five-year Secondary Certificate, is based upon graduation from a college within the Association of Seventh-day Adventist Colleges and Secondary Schools, or one of equal rank, and requires a minimum of 23 credits of professional training. The second, the Life Secondary Certificate, is issued to a holder of the Five-year Secondary Certificate who has completed during the life of such certificate 27 months of successful

teaching, and who is recommended by the union educational secretary.

Requirement in Professional Training

The minimum requirement of 23 credits in professional training in education shall be chosen from the following subjects, preferred in the order listed:

Principles of Christian Education (required) (54 or 56)	3 credits
Educational Psychology (58 or 63)	3 credits
Principles of Secondary Teaching (134)	2 credits
Special Methods (in major subject) (197)	3 credits
Secondary Practice Teaching (162)	3 credits
Educational Measurements (136)	3 credits
History of Education	3 credits
Adolescent Life and Problems (137)	3 credits
Secondary School Administration (122)	3 credits

Requirements in Specific Subjects

The following requirements shall be the minimum for certification in the various fields represented below:

Bible. 27 credits, including Daniel and Revelation or advanced Bible doctrines, in addition to 3 secondary units.

English. 27 credits, including rhetoric, advanced composition, and types of literature, in addition to 3 secondary units. (Library science or speech is evaluated on a fifty per cent basis in meeting the English requirement).

History. 18 credits, including a survey of modern Europe and a national history, in addition to 2 secondary units.

Language. 18 credits, in addition to 2 secondary units in the same language.

Mathematics. 15 credits, in addition to 2 secondary units.

Music. Graduation from a standard Seventh-day Adventist College conservatory course in music, or its equivalent, as interpreted by the General Conference Department of Education.

Natural Science. 18 credits in laboratory science subjects, including 9 credits in the specific field in which certification is desired, in addition to the secondary content in the field in which certification is requested, and including a background of at least 2 secondary units of science.

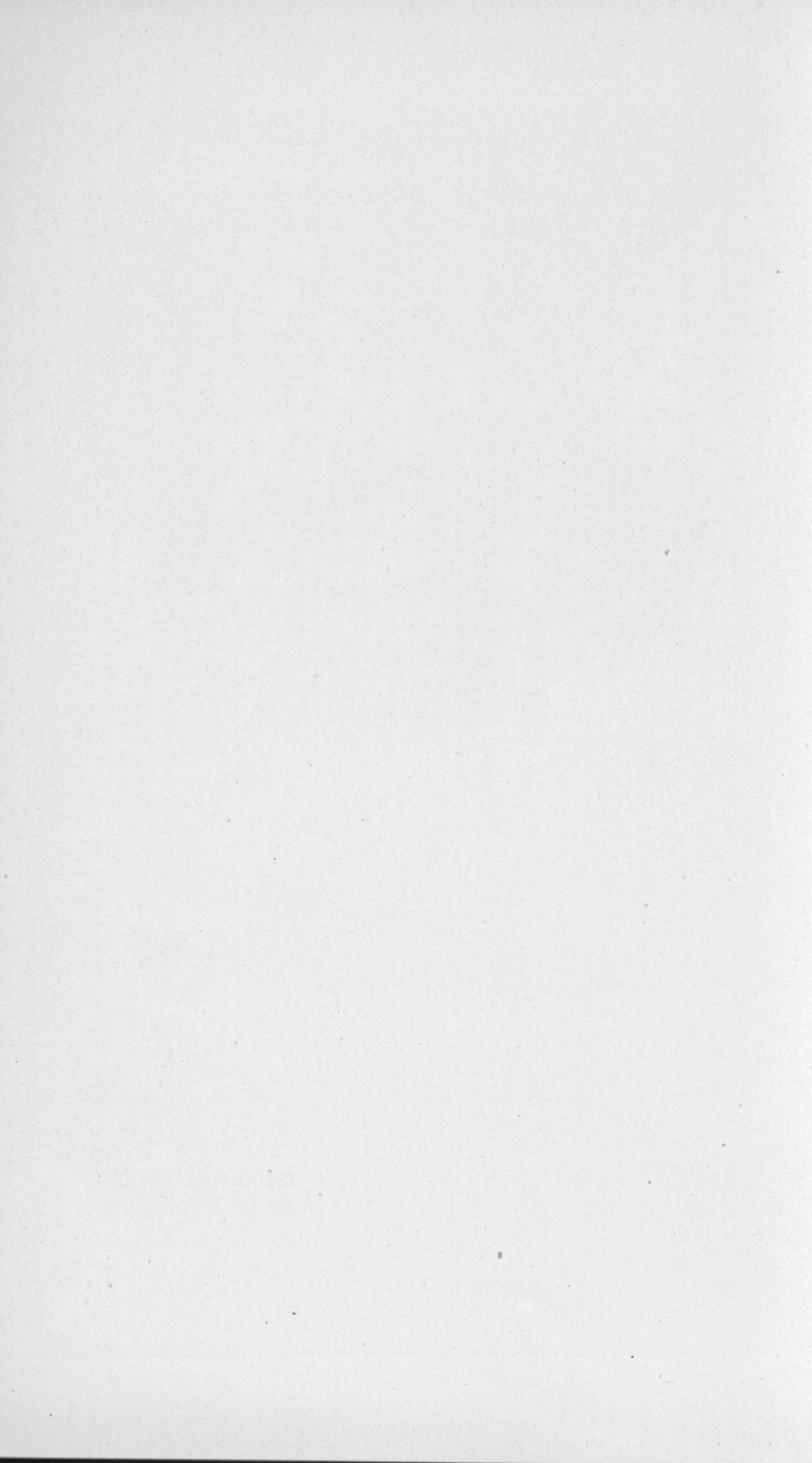
Typewriting. 50 words a minute, net, in a certified 15-minute standard speed test, record to be submitted through registrar to General Conference Department of Education.

Other Subjects. Agriculture, art, bookkeeping, cooking, health, printing, sewing, shorthand, woodworking:

18 credits or the equivalent in the specific field in which certification is desired, secondary units to be evaluated on the basis of 3 credits per semester.



Conard Hall



Bachelor of Arts in Elementary Education

Prerequisite: Sixteen units of work in an accredited secondary school which must include the following:

English	3 units
History (including American History and Government)	2 units
Science	1 unit
Mathematics	1 unit
*Bible	3 units

Requirements for the Degree of Bachelor of Arts in Elementary Education

This course, with the major consisting of the courses in Education and Psychology, requires the completion of one hundred ninety-eight (198) credits, 45 of which shall be in residence, divided as follows:

Education and Psychology	38	
Introduction to Education (2)		
Philosophy of Education (3)		
Student Teaching and Techniques (21)		
Psychology (9)		
Tests and Measurements (3)		
State Manual (0)		
General Academic Requirements	98	
English and Speech (23)		
Art (3)		
Social Studies (23)		
History of Washington (3)		
Health and Physical Education (6)		
Industrial Arts (5)		
Music (5)		
Mathematics (3)		
Religion (18)		
Science (14)		
Two Minors (18 upper division) (20 each)	40	
To be selected from the following:		
Biology	French	Physics
Chemistry	German	Business
English Literature	Mathematics	Spanish
History	Music	Speech
Home Economics		
Free Electives	17	

The following schedule of classes is recommended for candidates for the degree of Bachelor of Arts in Elementary Education:

*One unit for each year of attendance at a Seventh-day Adventist Academy.

*Four-Year Course***FIRST YEAR**

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Bible Survey	2	Bible Survey	2	Bible Survey	2
American History	3	American History	3	American History	3
Teacher's English	2	Teacher's English	2	Teacher's English	2
Introduction to Ed.	2	School	3	Health Principles	3
Industrial Art	3	Survey of Phys. Sc.	4	Industrial Art	2
Survey of Zoology	4	Math. Principles	3	Botany	4
—	—	—	—	—	—
16		17			16

SECOND YEAR

Music Fundamentals	2	Sight Singing	2	Music in Elem. Sch.	2
American Literature	2	American Literature	2	American Literature	2
Fund. Ch. Belief	2	Fund. Ch. Belief	2	Fund. Ch. Belief	2
American Govt.	3	Junior Leadership	1	Junior Leadership	1
Junior Leadership	1	Psychology	3	Geography	5
Psychology	3	Electives	6	Electives	4
Electives	3	—	—	—	—
—	—	16	16		16

THIRD YEAR

Teaching and Tech.	5	Teaching and Tech.	5	Teaching and Tech.	5
Remedial Teaching	3	Denom. History	3	Denom. History	3
Electives	6	Electives	3	Tests and Meas.	3
Speech Correction	3	Child Psychology	3	Philosophy of Edu.	3
—	—	Speech Correction	3	Speech Correction	3
17		17	17		17

FOURTH YEAR

Daniel and Revelation	2	Daniel and Revelation	2	Daniel and Revelation	2
Electives	15	Teaching	4	Child Literature	2
—	—	Electives	11	Electives	10
17		<i>wash list</i>	—	Washington History	3
			17		17

- NOTES: (1) Three credits of student teaching must be completed at Walla Walla College regardless of the amount of similar work taken elsewhere.
 (2) Students not presenting secondary vocational credit must choose a vocational for an elective.
 (3) Two additional credits in Biology must be chosen as elective.

Teacher Certification

The Teacher Training Department of Walla Walla College is accredited by the State of Washington, and students who complete the four-year Teacher Training Course in accordance with the above regulations will be granted an Elementary Certificate by the Department of Education of the State of Washington.

Completion of the following specified requirements will entitle the student to the corresponding Elementary Certificate issued by the Department of Education of the General Conference of Seventh-day Adventists, provided the proper prerequisites have been taken.

I. Two-year Elementary Certificate

Issued to one having not less than forty-five (45) quarter credits of college work, including the following:

9-15 Bible

15-23 Education, to include:

3-5 Principles of Christian Education

6-9 Elementary Methods and Supervised Teaching

3-5 School Management or Technique

3-6 Practical and Fine Arts

II. Five-year Elementary Certificate

Issued to one completing the four-year college curriculum with a major in Elementary Education.

PART VII

Junior College Courses

PREPARATORY MEDICAL COURSE

The College Preparatory Course or its equivalent is a prerequisite to the preparatory Medical Course. In this course are included all the requirements necessary for entrance to The College of Medical Evangelists. Credits in order to be accepted for entrance into the Medical College should show at least 1.5 honor points for each quarter credit in science, and for each quarter credit in non-science respectively. After completion of this course and two years of work in the College of Medical Evangelists, the Bachelor of Arts degree will be conferred.

Transfer students must earn at least 36 credits in residence 9 of which must be in basic science and include one upper division course. Repetitions do not apply.

Prerequisite: Sixteen units of work in an accredited school, which must include the following:

English	.....	3 units
History	.....	1 unit
Algebra	.....	1 unit
Geometry	.....	1 unit
*Language	.....	2 units

Preparatory Medical Course

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Bible	2	Bible	2	Bible	2
Freshman Comp.	3 11:20	Freshman Comp.	3	Freshman Comp.	3
Inorganic Chemistry	4 1:36	Inorganic Chemistry	4	Inorganic Chemistry	4
Elementary Zoology	4 1:25	Elementary Zoology	4	Elementary Botany	4
General Mathematics	3 1:00	General Mathematics	3	General Mathematics	3
Physical Education	½	Physical Education	½	Physical Education	½

SECOND YEAR

Bible	2	Bible	2	Bible	2
Physics	4	Physics	4	Physics	4
Organic Chemistry	3	Organic Chemistry	3	Organic Chemistry	3
†Language	3	†Language	3	†Language	3
History	3	History	3	History	3
Mammalian Anatomy	1				
Physical Education	½	Physical Education	½	Physical Education	½

*Both of the language units must be in the same language.

†Pre-medical students who have not had the requisite preparation in language must take 15 credits in language in the second year and 9 credits the third year. History of the second year must then be elected in the third year.

THIRD YEAR

Bible	2	Bible	2	Bible	2
Speech	2	Speech	2	Speech	2
Government	3	Education	3	Education	3
Education	3	Vocation	3	Bio-Chemistry	4
Vocation	3	Anal Chemistry	3	Vocation	3
Anal. Chemistry	3	Elective	3	Vertebrate	
				Embryology	3

PRE-DENTAL

The minimum requirement for admission to the study of dentistry is two years of college study. A total of 90-96 hours of work are required and should include the first two years of the pre-medical course.

PRE-DIETETIC COURSE

Prerequisite: Sixteen units of work taken in an accredited school.

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Bible	2	Bible	2	Bible	2
General Chemistry	4	General Chemistry	4	General Chemistry	4
Freshman English	3	Freshman English	3	Freshman English	3
Food Study	3	Food Study	3	Food Study	3
Economics	3	Economics	3	Economics	3
Physical Education	½	Physical Education	½	Physical Education	½

SECOND YEAR

Bible	2	Bible	2	Bible	2
American Govt.	3	Psychology	3	Principles (Philosophy) of Education	3
Psychology	3	Anatomy and Physiology	3	Anatomy and Physiology	3
Anatomy and Physiology	3	Elective	8	Elective	8
Elective	5				

PRE-NURSING COURSE

Prerequisite: The following sixteen units in an accredited secondary school, as well as a high C average, are prerequisite in most schools of nursing:

English	3 units
Language	2 units
(Two units must be in the same language)	
Mathematics	2 units
History	1 unit
Bible	1-4 units
(One unit for each year of attendance at a Seventh-day Adventist academy. One unit for high school graduates.)	
Science	2 units
(One unit must be chemistry or physics, with preference given to physics).	

Pre-nursing students will be required to pass an examination in arithmetic upon entering the College.

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Daniel and Revelation	2	Daniel and Revelation	2	Daniel and Revelation	2
Freshman English	3	Freshman English	3	Freshman English	3
Anatomy and Physiology	3	Anatomy and Physiology	3	Anatomy and Physiology	3
<i>Health</i> Microbiology	3	<i>Health</i> Microbiology	3	<i>Health</i> Microbiology	3
Pre-nursing Chem.	3	Pre-nursing Chem.	3	Pre-nursing Chem.	3
History of Nursing	2	History of Nursing	2	History of Nursing	2
Physical Education	½	Physical Education	½	Physical Education	½



PART VIII

Departments of Instruction

EXPLANATION

This section contains a list of all courses of study offered in the College. The departments are arranged in alphabetical order after the Bible department.

The College reserves the right to withdraw temporarily any course which does not have an adequate enrollment. A course may not be offered for fewer than ten applicants except in case of seniors.

The four-quarter plan has been adopted by Walla Walla College to render larger service and allow for a greater vocational program where students may remain out of school a quarter to earn their expenses. It is more flexible than the semester plan and adds 12 weeks' instruction to the regular year.

Courses bearing numbers from 1 to 49 inclusive are normally offered to freshmen; those from 50 to 99 are normally offered to sophomores; those from 100 to 199 to juniors and seniors.

Two or three numbers connected with hyphens indicate a course which ordinarily carries credit only when pursued for the full time. Only upon the permission of the instructor may credit be obtained by a student for a single quarter of study in such a hyphenated course.

The credit indicated in connection with each course is the "quarter credit" and one credit represents one hour of recitation a week for one quarter. The number of credits listed are for each quarter. Thus "Three credits; autumn, winter, spring; M. W. F., 11:25," means three credits each quarter, or a total of nine credits for the year, the class meeting Monday, Wednesday, Friday at the 11:25 a. m. period.

The descriptions of courses in each department include: (1) the number of the course as used in the College records; (2) the title of the course; (3) a brief statement of its subject matter and method; (4) number of quarter credits given; (5) quarter in which it is given (autumn, winter, spring); (6) the days and hour the class meets.

*Courses preceded by * are not given in 1946-1947.*

BIBLE

Mr. Hendershot, Mr. Christensen, Mr. Drayson, Mr. Losey, Mr. Petersen

For general college students the following courses are recommended as fulfilling the Bible requirements:

(a) For freshmen who have had no Bible on the secondary level: Bible Survey; for freshmen who present units in Bible on the secondary level: Life and Teachings of Jesus; for prenursing freshmen: Daniel and Revelation.

(b) For sophomores: Fundamentals of Christian Belief. Students who have taken Bible Survey during their freshman year may select Life and Teachings of Jesus for their sophomore year.

(c) For students on the junior level: Daniel and Revelation or Hebrew Prophets.

(d) Senior students may select a suitable upper division Bible course, such as: 135-136, 137; 151, 152, 153; 161, 162, 163; or 185, 186, 187. However, in selecting a Bible course for the senior year, the general college Bible requirement may not be fulfilled with Homiletics or any course which the School of Theology may wish to limit to ministerial students.

Theology students are referred to the outline of studies for the Bachelor of Theology degree as shown on page 99.

1-2-3. *Bible Survey.* This course is a Bible introduction. Its aim is a fundamental knowledge of the contents and character of the books of the Bible. Beginning with a simple enumeration of Bible books and an introduction to methods and aims in Bible study, it will endeavor to present the background and circumstances of each book, and the persons through whom they were brought into existence. The groundwork will include a survey of the history of the Hebrew people from its beginnings, stressing especially the work of the prophets, while outlining essential Hebrew laws and institutions and filling out the picture with selections from Hebrew songs and wisdom books. Added to this, as its logical conclusion, is the growth of the New Testament, from the life of the Saviour through the preaching of the Gospel by his followers, in acts and in letters. Two credits; autumn, winter, spring; Sec. A, T. Th., 9:35; Sec. B, T. Th., 1:00.

4, 5, 6. *Life and Teaching of Jesus.* A study of the life of Christ as the Master Teacher and the heaven-born teachings of the One whose divine wisdom and practical application of the truth made His lessons both forceful and impressive and gave new meaning to the surroundings of every-day life. The principles of the Kingdom of God and of the acceptance of Christ. Lectures and assignments together with a study of the

books, "Desire of Ages," "Christ's Object Lessons," and "Thoughts From the Mount of Blessing." Two credits; autumn, winter, spring; Sec. A, T. Th., 8:40; Sec. B, T. Th., 9:35; Sec. C, T. Th., 10:30; Sec. D, T. Th., 1:00.

11, 12-13. *Daniel and Revelation.* This elementary course in the study of these two books is offered primarily for Pre-nursing students. Study will be given to the setting of both prophecies in the history of the time in which they were written and also the prophecies relating to world history, showing their fulfillment and application. Two credits; autumn, winter, spring; T. Th., 7:45.

51, 52, 53. *Fundamentals of Christian Belief.* An introductory course in the evidences and principles of Christianity, consisting of a study of the basic concepts of religious faith and practice, and comprehensive groundwork in the fundamental doctrines held by the Seventh-day Adventist denomination. Lectures, textbook assignments, and library work. Two credits; autumn, winter, spring; Sec. A, T. Th., 8:40; Sec. B, T. Th., 10:30; Sec. C, T. Th., 1:00.

82, 83. *Denominational History.* A survey of the history of the Seventh-day Adventist movement with attention to the administration of the denomination. A study of the Spirit of Prophecy in its relation to the origin and progress of the church and its work; the Bible background for its manifestation and the relations of its writings to the Holy Scriptures; a limited topical study of the teachings of these writings. Lecture course, with reading requirements and theme work. Three credits; winter, spring; M. W. F., 7:45.

91-92. *Bible Workers' Evangelism.* This course is offered especially for young women taking the Bible Workers' Course. The art of personal evangelism will be studied, also the preparation of Bible studies and the work of the Bible instructor in connection with evangelistic efforts. The actual giving of Bible studies will be required as a field assignment in this class. Two credits; autumn, winter; T. Th., 9:35.

111, 112-113. *Daniel and Revelation.* An advanced course in the study of these books, noting particularly their symbolism and the intimate ways in which they are related to all Old Testament prophecy. A more extensive work is done in prophecies relating to world history, showing their fulfillments and applications. Research work is required. Special emphasis is placed upon the messages which these books have for the church and for our own lives. A good knowledge of history is presupposed. Lectures, discussions, collateral reading and themes. Two credits, autumn, winter spring; T. Th., 11:25.

134-135, 136. *Hebrew Prophets.* A study of the major and minor prophets from the viewpoint that these things "were written for our admonition upon whom the ends of the world are come." Attention to the historical setting of the prophecies, with careful exegetical study of the text, emphasizing the fundamentals of the gospel as contained therein. Collateral reading, theme work. Three credits; autumn, winter, spring; M. W. F., 10:30.

141-142. *Homiletics and Field Seminar I.* A study of the work of the preacher and his preaching. Biblical topics will be organized for presentation and outlines prepared. The work of the pastor, the evangelist, and the Bible worker will be discussed. Students are assigned in small groups to

various nearby churches to assist in Sabbath School and gain experience in performing ministerial work. This is the field work assignment for this class. Two credits; autumn, winter; T. Th., 9:35.

143. *Church Polity.* This course deals with the problems of organization and deliberative procedure in the Seventh-day Adventist denomination. It is a study of the principles of church organization, their divine origin, and their application to present conditions. The course includes a careful and detailed study of the organization of churches and conferences with all their departments, their operation and their interrelationship. The Field work assignment is the same as in Homiletics and Field Seminar I and Bible Workers' Evangelism. Two credits; spring; T. Th., 9:35.

151. *Archaeology and the Bible.* A study of the service which archaeology has rendered to the Bible. This will include a presentation of archaeological methods, a survey of excavations in Bible lands, and the results obtained in the decipherment of ancient languages, in information for the history and culture of Bible times, and in understanding of customs and habits. Specific attention is given to facts significant for the Bible student; how the Bible has been illuminated, clarified, and confirmed by ever increasing discoveries. Lectures, pictures, topical studies, collateral reading. Three credits; autumn; M. W. F., 1:00.

152. *Bible Manuscripts and Translations.* A study of the history of the principal manuscripts and ancient versions of the Bible. The course consists of a survey of the ever widening spread of the Bible book from the most ancient versions to the numerous translations produced by modern world wide mission. In addition to an elementary study of the formation of the Old and New Testament canon particular attention is given to the making of the English Bible and to the most recent work on Biblical languages and manuscripts. Three credits; winter; M. W. F., 1:00.

153. *World Religions.* A short study of the greater religions of mankind. Consideration is given to the historical setting out of which these religions arose; their founders, their basic teachings and rituals, their conceptions of God and man. With this included discussions of similarities and contrasts to the Christian faith, as well as present-day conditions which are of value in the study of missions. Three credits; spring; M. W. F., 1:00.

162-163. *Systematic Theology.* More extensive study of essential Christian doctrines with emphasis upon Bible doctrines especially valuable to the Christian believer. Subjects stressed are: attributes of God, the Trinity, sin, the law, the two natures of Christ, union with Christ, conversion, justification, sanctification, Christ's church, baptism, the Lord's supper, eschatology, the second advent, and the earth restored. During the spring quarter special studies and lectures on the Atonement and the Sanctuary will be given. Text book assignments, collateral reading, lectures and discussions. Three credits; winter, spring; M. W. F., 8:40.

*174, 175, 176. *Advanced Teachings of Jesus.* An analysis is made of the teachings of Jesus. These are studied from the viewpoint of their application to our present-day conditions and needs and to the everyday

*Not offered in 1946-1947.

experiences and problems of Christian living. Christianity as the greatest of all philosophies is analyzed in the light on ancient and modern times. Some time is devoted to research in the volumes of the *Spirit of Prophecy*. Andreason's "Faith of Jesus," and White's "Desire of Ages" are studied. Reports and notebooks are required. Two credits; autumn, winter, spring; M. W. 10:30.

181. *Homiletics and Field Seminar II.* Advanced study in the art of preaching, aiming at some proficiency in Bible exegesis and evangelism. Detailed attention will be given to the various phases of evangelistic work and the problems which confront an evangelist. Guidance will be given in methods of evangelistic advertising, the conducting of public efforts, church organization, and pastoral work. This course is definitely planned for young men who desire to make the gospel ministry their vocation. For the field assignment for this class, students are assigned in small groups to conduct or assist in gospel efforts in nearby cities and towns, and to hold Bible studies in the homes of those interested in the study of God's Word. Nine credits; autumn; M. W. F., 10:30.

†184, 185, 186. *New Testament Epistles.* An exegetical study of the epistles of the New Testament, attention being given in each case to the time, circumstances, and the place of writing. Special prominence is given to the Thessalonian and the Corinthian letters and the books of Romans, Galatians, James, and Hebrews, stressing the fundamental gospel doctrines of these epistles. Such others of the New Testament books, or portions of them, which especially deal with fundamentals, will be studied. Lectures, library assignments, and theme work. Two credits; autumn, winter, spring; T. Th., 8:40.

*197-198-199. *Methods of Bible Teaching.* A study of the principles of Bible instruction, particularly in teaching as applied to Bible subjects as usually given in the preparatory curriculum. This course is essential for students who wish to obtain denominational teacher's certification in Bible subjects. One credit; autumn, winter, spring; time to be arranged.

ART

Mrs. Miller

1, 2, 3, *Art.* Classes in oil, water color, and pastel are offered, in which are taken up the study of color and color combination. "The world is not seen in grays, and an exquisite source of pleasure is to be taken in the arrangement and varieties of colors which it offers." One or two credits; autumn, winter, spring; M. T. W. Th., 8:40; M. T. W. Th., 10:30; M., 1:00-3:00, W., 1:00-3:00.

* 4, 5, 6. *China Painting.* Experience in china painting and a knowledge of the various kinds and makes of china; original designs developed. A knowledge of china painting and the composition of china ware is of

*Not offered in 1946-1947.

†Theology students may substitute Course 111, 112, 113 in Biblical Languages for this course.

value to the student in assisting him to discriminate between good and inferior in the commercial world. China painting develops originality, neatness, and carefulness. One credit; autumn, winter, spring; W., 1:00-4:00.

11, 12, 13. *Lettering.* Formation of certain broad principles on which the student may work, both in regard to the making of letters and their application to practical use. A brief history of letters and their classification is included in the course. With the fundamental principles learned it will be found easy to make many modifications and the possibilities are as unlimited as in any art. One-half credit; autumn, winter, spring; T. Th., 9:35; or T. Th., 11:25.

14, 15, 16. *History of Art.* Lectures and study on history of art will consist of the following: Egyptian art and design; Grecian art; Roman art and appreciation; French and English Gothic architecture and sculpture. The course presents the work of some of the most notable modern painters and designers. One-half credit; autumn, winter, spring; W., 11:25.

21, 22, 23. *Chalk and Felt Illustrating.* Intended primarily for use in illustrating sacred songs and readings. Especially valuable to teacher-training and theological students. One-half to one hour credit; autumn, winter, spring; hours listed for art 1, 2, 3.

BIBLICAL LANGUAGES

Mr. Drayson

For a major in Biblical Languages 48 credits are required of which 21-24 credits must be upper division work including Methods of Research, courses 194-196 in Bible department.

For a minor in Biblical languages 30 credits are required, of which 9 credits must be upper division work.

Students who have completed the minimum requirement of Greek in the School of Theology may become eligible for a major by completing specified upper division courses in either Greek or Hebrew.

I. GREEK

1-2-3. *Greek I.* An introductory study of the elements of New Testament Greek with experience in translation. This course emphasizes the development of the ability to read the original language, and at the same time it aims to create an interest in approaching the New Testament through the medium divinely selected to give the Message of Salvation to the world. Readings of selected portions, mainly from the Gospel of John; introduction

*Not offered in 1946-1947.

to aids and methods, grammar study, beginnings of exegesis; assignments and work shop. Four credits; autumn, winter, spring; M.-F., 7:45.

51, 52, 53. *Greek II.* More extensive readings: I John, Revelation, complete; Luke, Acts in part. The emphasis is on exegesis and interpretation, particularly with a view of usefulness for ministers and teachers. Considerable interest of the course will be given to an introduction to the cultural and religious backgrounds and environments of the language of the New Testament, in order to make words and expressions live with the life out of which they were borne. Problems and texts of special interest will be studied in class. Four credits; autumn, winter, spring; M.-F., 11:25.

*111, 112, 113. *New Testament Epistles (Greek).* Reading and exegesis of New Testament scriptures in the original. Verse-by-verse study of several epistles, such as Romans, Ephesians, Hebrews, Galatians. Topical studies of significant doctrines; investigation of problems; an introduction to the study of textual variants. Three credits; autumn, winter, spring; M. W. F., 11:25.

II. HEBREW

*131-132-133. *Hebrew I.* Reading of selected portions of the Old Testament in Hebrew with the study of the elements of the Hebrew grammar. Introduction to methods and aids for a fruitful use of the Hebrew in Bible study. Four credits: autumn, winter, spring; Arranged.

*134-135-136. *Hebrew II.* More extensive reading in the Hebrew historical books and selected portions from the Prophets and the Psalms. Greater sureness in the grammar, study of the syntax. Three credits; autumn, winter, spring.

BIOLOGY

Mr. Booth, Mr. Underhill, Miss Emery

Requirements for a major in biological science:

- (1) A minimum of 45 credits, 25 of which must be upper division;
- (2) Courses 1-2, 3, 106, 117-118-119, 157-158, 161-162-163, 194, 195-196.
- (3) Minor fields should be in chemistry, physics, or mathematics. Special permission must be obtained from the major professor for a minor in any other field. (Mathematics should be elected in the freshman year; physics in the sophomore year; chemistry in either freshman or sophomore year.)

Requirements for a minor in biological science:

- (1) A minimum of 27 credits, 12 of which must be upper division;
- (2) Courses 1-2, 3, 106, 117-118-119 are required of all minors;
- (3) Courses 157-158, 194, 195-196 are highly recommended.

*Not offered in 1946-1947.

1-2. *Elementary Zoology.* A study of the principles of zoology including anatomy, physiology, cytology, histology, genetics, and embryology. A general survey of the entire animal kingdom from the protozoa to the vertebrates. Three hours attendance, four hours laboratory. Four credits; autumn, winter; Sec. A, M. W. F., 7:45; Sec. B, M. W. F., 8:40.

3. *Elementary Botany.* A general survey of the plant kingdom with emphasis on morphology, life histories, and development. Three hours attendance, four hours laboratory. Four credits; spring; Sec. A, M. W. F., 7:45; Sec. B, M. W. F., 8:40.

4. *Survey of Zoology.* A general survey of the animal kingdom emphasizing the principles of biology, and outdoor methods for the study of animals. Three hours attendance, four hours laboratory; four credits; autumn; M. W. F., 10:30. (Restricted to students in elementary teacher training).

5-6. *Microbiology.* The nature of bacteria and disease-producing organisms with their life habits and methods of reproduction. The relation of these organisms to disease in the human body. Two hours attendance, four hours laboratory. Three credits; autumn, winter; T. Th., 11:25.

11-12-13. *Anatomy and Physiology.* A course open only to pre-nursing and pre-dietetic students. A general survey course in which anatomy and physiology are given equal emphasis. Two hours attendance, three hours laboratory. Three credits; autumn, winter, spring; T. Th., 9:35.

21-22-23. *Anatomy and Physiology.* This course is designed for those who will complete their nursing training at Portland. A general survey of human anatomy and physiology. Three hours attendance, six hours laboratory. Five credits; autumn, winter, spring; M. W. F., 7:45; laboratory, T. Th., 8:30-11:30.

51. *General History.* A survey of microscopic anatomy of vertebrates with emphasis on human tissues. One hour attendance, six hours laboratory. Three credits; autumn; M., 11:25; laboratory, M. W., 9:00-12:00.

61. *Mammalian Anatomy.* A laboratory course on the dissection of the cat. Four hours attendance. One credit; autumn; arranged.

*104-105. *Morphology of Plants.* Detailed studies of the type forms of the main plant groups. Autumn quarter: Thallophytes and Bryophytes; winter quarter: Pteridophytes and Spermatophytes. Three hours attendance, four hours laboratory. Four credits; autumn, winter; T. Th., 11:25, W., 1:00.

*106. *Systematic Botany.* Principles of classification of plants with emphasis on the Spermatophytes. Two hours attendance, eight hours laboratory. Four credits; spring; T. Th., 11:25.

113. *Vertebrate Embryology.* A detailed study of the embryology of the frog, chick, and pig, with emphasis on their relation to human embryology. Prerequisite: course 1-2. Two hours attendance, four hours laboratory. Three credits; spring; T. Th., 8:40.

*Not offered in 1946-1947.

117-118-119. *Seminar I.* A study of modern trends in biology; of current biological literature; presentation of scientific papers; group discussion of biological problems. One hour attendance. One-half credit; autumn, winter, spring; W., 4:00.

122. *Animal Micrology.* A course designed to cover the most important methods of technique in making microscopic slide preparations of animal tissues. Prerequisite: Courses 1-2. One hour attendance, eight hours laboratory. Three credits; winter; M., 1:00.

124. *Plant Micrology.* A course designed to cover the important methods of technique in making microscopic slides of plant tissues. Prerequisite course 3. One hour attendance, 8 hours laboratory. Three credits; autumn; M., 1:00.

133. *Systematic Entomology.* A systematic study of insects. Prerequisite: course 1-2. Two hours attendance, eight hours laboratory. Four credits; spring; T. Th., 11:25.

151. *Sanitary Bacteriology.* Fundamental public health bacteriological procedures on foods, water, milk, blood, etc. Prerequisites, courses 5-6. Two hours attendance, two four-hour laboratories. Four credits; spring; T. Th., 11:25.

153. *Ornithology.* A systematic study of amphibians, reptiles, and birds, with emphasis on taxonomy and geographical distribution. Prerequisite: courses 1-2. Two hours attendance, eight hour laboratory. Four credits; spring; T. Th., 10:30.

*156. *Mammalogy.* A systematic study of mammals with emphasis on taxonomy and geographical distribution. Prerequisite: courses 1-2. Two hours attendance, eight hours laboratory. Four credits; spring; T. Th., 10:30.

157-158. *Genetics.* A study of the principles of heredity in plants and animals with emphasis on the aspect of special creation as opposed to organic evolution. Prerequisite: course 1-2, or 3. Two credits; autumn, winter; T. Th., 10:30.

161-162-163. *Seminar II.* A continuation of courses 117-118-119, to be taken in the senior year. Prerequisite: courses 117-118-119. One hour attendance. One-half credit; autumn, winter, spring; W., 4:00.

175. *Field Ecology.* Given in connection with the Field Nature School. At least three weeks are spent in the field study of selected areas in the Northwest. Members of the school camp at various study localities. The time varies but the usual time for school is during July or August. Two to four credits; summer.

177-178. *Parasitology.* A systematic study of the morphology, life cycle, and the medical aspects of the protozoon, arthropod, and worm parasites of the vertebrates with more emphasis on human parasitology. Prerequisite: courses 1-2. Two hours attendance, four hours laboratory. Three credits; autumn, winter; T. Th., 8:40.

193. *History of Biology.* A survey of the history of biological work from the Greek period to the present. Two hours attendance. Two credits; spring; T. Th., 7:45.

*Not offered in 1946-1947.

194-195. *Methods in Research.* A study of the entire field of biological literature, with emphasis on the research paper; methods of gathering data; methods of compiling data; methods of writing the finished paper; presentation of an acceptable research paper. One hour attendance. One credit; autumn, winter; M., 4:00.

197. *Methods of Teaching Biology.* The basic principles of teaching Biology in the secondary school and the college. Two hours attendance, four hours laboratory. Three credits; winter; arranged.

199. *Special Problems.* Individual work to be carried on under the supervision of the instructor. Time and credit to be arranged.

Field Nature School. This is a traveling school in biology, and is offered each summer. Both lower and upper division courses are usually offered, although in 1946 and 1947 only upper division courses are offered. In 1946 (July 21 to Aug. 29) the school will visit Glacier, Banff and Jasper Parks. Courses 106, 133, and 175 are offered. In 1947 (June 5 to Aug. 25, approximately) the school will visit Nevada, Utah, Arizona, Colorado, New Mexico, Texas, Mexico and California, spending more than a month in Mexico, and going as far south as Vera Cruz and Acapulco. Courses 106, 135, 153, 156, and 175 will be offered. Prerequisites: courses 1-2 and 3.

BUSINESS ADMINISTRATION SECRETARIAL SCIENCE

Mr. Schneider, Miss Walker

Requirements for the major in Business Administration:

Prerequisite: College entrance requirements and one credit in elementary bookkeeping.

LOWER DIVISION COURSES:

Principles of Economics. Nine credits.

Principles of Accounting. Nine credits.

Business Law. Six Credits.

Intermediate Accounting. Six credits.

UPPER DIVISION COURSES:

A total of 21 credits in courses numbered 100 or above including B. A. 141-142. (Note: All women who major in Business Administration are required to minor in Secretarial Science.)

Note: Typewriting is not a requirement for graduation, but because of its practical necessity in a large proportion of the positions which are available after graduation, students of Business Administration are urged to get it before they graduate.

Note: Business Majors must also meet the specific requirements that pertain to all the departments for the Bachelor of Arts degree.

Requirements for a minor in Business Administration:

LOWER DIVISION COURSES:

Principles of Economics. Nine credits.

Principles of Accounting. Nine credits.

UPPER DIVISION COURSES:

Elective courses (choose 9 credits).
Cost Accounting. Six credits.
Budgets. Three credits.
Marketing and Advertising. Six credits.
Business Finance. Six credits.
Money and Banking. Six credits.

Requirements for the major in Secretarial Science:

Prerequisite: College entrance requirements and one unit in bookkeeping.

LOWER DIVISION COURSES:

Principles of Economics. Nine credits.
Principles of Accounting. Nine credits.
Shorthand. Fifteen credits.
Typewriting. Three credits. (Above the freshman level).
News Writing. Six credits.
Lettering. One and one-half credits.

UPPER DIVISION COURSES:

Choose 20 credits including 1, 2, 3.
1. *Advanced Dictation*. Six credits.
2. *Office Procedure*. Six credits.
3. *Methods in Teaching*. Two credits.
4. *Marketing and Advertising*. Six credits.
5. *Business Finance*. Six credits.
6. *Money and Banking*. Six credits.

Requirements for a minor in Secretarial Science:

Shorthand I. Nine credits.
Advanced Shorthand. Six credits.
Advanced Typing. Three credits.
Office Procedure. Six credits.
Methods in Teaching. Two credits.

Students graduating from commercial high school and having met the requirements for Shorthand I, will add Advanced Dictation to the above requirements.

1-2-3. Principles of Economics. General principles of economics and their application to our present industrial organization and social life. A study of the factors of production; organization of marketing and transportation; principles of money and banking; distribution of wealth; taxation; and problems of labor. Three credits; autumn, winter, spring; M. W. F., 10:30.

***11-12-13. Typewriting.** Theory and practice of touch typing; frequency drills; rhythm drills; business letter forms; tabulating; manifolding; statement work; figures; speed practice. Speed requirement for three credits: 50 words per minute. Three class periods per week; two laboratory periods per week. One credit; autumn, winter, spring; M. W. F., 8:40.

*Not offered in 1946-1947.

11A-12A. *Social Typewriting I.* A refresher course for all students; designed especially to enable secretarial majors to meet the required entrance speed of 50 words per minute for advanced typewriting. Speed requirement: 50 words per minute. Prerequisite speed: 35 words per minute. One credit; autumn, winter; T. Th., 10:30.

14-15-16. *Principles of Accounting.* Introduction to accounting; books of original entry; ledgers; statements of condition and of operations; controlling accounts. Sole proprietorships and partnerships. Prerequisite: One unit of bookkeeping. Three credits; autumn, winter, spring; M. W. F., 7:45.

21-22-23. *Shorthand.* Theory of Gregg shorthand; practical application of theory in dictation; developing speed in writing, reading, and transcribing. Typing 11-12-13 must be taken concurrently with this course unless the student has had the equivalent. Speed requirement: 100 words per minute with satisfactory transcription. Three credits; autumn, winter, spring; M.-F., 7:45.

51-52-53. *Advanced Shorthand.* Advanced application of principles and phrases of Gregg shorthand; dictation and transcripts covering vocabularies of representative businesses; legal forms, civil service and denominational dictation. Prerequisites: courses 21-22-23 or equivalent. Speed requirements: 120 words per minute with satisfactory transcription. Two credits; autumn, winter, spring; M. W. F., 10:30.

*62-63. *Business Law.* Fundamentals of law which affect business transactions. Emphasis on contracts and negotiable instruments. Three credits; winter and spring; M. W. F., 8:40.

71-72-73. *Intermediate Accounting.* A continuation of B. S. 14-15-16. Corporation accounting; consignments; installment sales; tangible and intangible fixed assets; analysis of statements. Prerequisites: B. A. 14-15-16. Two credits; autumn, winter, spring; T. Th., 8:40.

77-78-79. *Advanced Typewriting.* A continuation of typewriting 11-12-13. Emphasis placed upon increase of speed, accuracy, and skill. Entrance requirements: student must establish a net speed of 40 words in three consecutive daily tests. These entrance tests will be given at the close of the second week in the autumn quarter. Speed requirements for three credits: 65 words per minute based upon international rules. Three class periods; two laboratory periods per week. One credit; autumn, winter, spring; M. W. F., 11:25.

*101, 102, 103. *Office procedure.* Instruction in general office duties; letter writing; filing; duplicating; and business ethics. Three hours laboratory per week. Prerequisite: B. A. 53 and 79 or by special arrangement. Two credits; autumn, winter, spring; T. Th., 9:35.

114-115-116. *Advanced Dictation.* Vocabulary study; advanced phrase writing; speed dictation and transcription. Prerequisite: courses 51-52-53 or equivalent. Speed requirement: 140 words a minute with a satisfactory transcription. Two credits; autumn, winter, spring; M. W. F., 8:40.

*Not offered in 1946-1947.

141-142. *Cost Accounting.* Theory and practice in keeping cost records for manufacturing concerns. Job order and process accounting systems. A study of the standard cost system. Three credits; autumn, winter; M. W. F., 11:25.

143. *Budgets.* Theory of planning future business activities. Budgets as a means of forecasting; budgetary control; flexibility in budgeting. Prerequisite; B. A. 71-72-73, or consent of business department. Three credits; spring, M. W. F., 11:25.

*151-152-153. *Marketing and Advertising.* A study of the principles underlying marketing and market organizations in connection with the psychology and science of advertising. Two credits; autumn, winter, spring; T. Th., 11:25.

161-162-163. *Business Finance.* A study of the fundamental principles of financial policy involved in the organization of corporate enterprises. Two credits; autumn, winter, spring; T. Th., 11:25.

171-172-173. *Advanced Accounting.* A thorough study of comparative and consolidated statements including branch house accounting. Two credits; autumn, winter, spring; T. Th., 10:30.

*181-182. *Money and Banking.* A study of the principles of banking and the origin and development of our monetary system. Three credits; autumn, winter; M. W. F., 11:25.

183. *Business Machines.* Instruction in adding, listing, and calculating machines; Burroughs bookkeeping machine. Class and laboratory work. Three credits; spring; arranged.

191-192. *Statistics.* Collection, analysis, and interpretation of statistical data used in business and economics. Two credits; autumn, winter; T. Th., 9:35.

193. *Problems in Business or Economics.* Individual study of problems in the field of business or economics. Open only to majors in business administration. Two credits; spring; arranged.

194. *Methods of Teaching Typing in the Secondary Schools.* This course is required of all majors. One credit; winter; T., arranged.

195. *Methods in Teaching Shorthand in the Secondary Schools.* This course is required of all majors in secretarial science. One credit; winter; T., arranged.

CHEMISTRY

Mr. Thurston, Mr. Kretschmar, Mr. Bowers

Requirements for a major in chemistry:

(a) Credits must be presented in each field of chemistry as follows:

Inorganic chemistry	12-15 credits
Organic chemistry	12-15 credits
Analytical chemistry	12-15 credits
Physical chemistry	12 credits

(b) A minimum of 24 upper division credits must be presented.

(c) Minor fields should be in mathematics or physics. A double minor is recommended. Special permission from the major professor must be obtained for any other minor.

1. Mathematics should be started in the freshman year.
2. Physics should be started in the sophomore year.

Requirements for a minor in chemistry:

- (a) Courses 23 and 63 are required.
- (b) A minimum of 27 hours is required including three hours of upper division courses.

1-2-3. *General Chemistry.* An introductory course in Chemistry designed to meet the basic science requirements for Arts, Nursing and Home Economics students. Does not apply on a Major or Minor. Three credits; autumn, winter, spring; M. W. F., 8:40.

1A-2A-3A. *Chemistry Laboratory.* This course accompanies Chemistry 1-2-3, and includes typical laboratory preparations and experiments. Three hours attendance; 1 credit; Autumn, Winter, Spring; Mon. p. m.

4-5-6. *Pre-nursing Chemistry.* This course is a study of the principles and applications of chemistry which are valuable for the nursing profession. No attempt is made to survey the whole field of chemistry. This course does not apply on the physical science requirement for a degree. Two or three hours attendance. Two credits; autumn, winter, spring. M. W., 10:30.

4A-5A-6A. *Pre-nursing Chemistry Laboratory.* This course accompanies chemistry 4-5-6. The laboratory experiments include typical inorganic, organic, and biochemical preparations and properties. Three hours laboratory. One credit; autumn, winter, spring. Tues. p. m.

21-22-23. *Inorganic Chemistry.* A systematic study of typical metals and non-metals together with a survey of all the elements. Emphasis is placed on fundamental principles and theories. Three hours attendance. Three credits; autumn, winter, spring; M. W. F., 7:45

21A-22A-23A. *Inorganic Chemistry Laboratory.* This course accompanies chemistry 21-22-23. It includes typical laboratory preparations and elementary experiments. Introduction course for majors and minors during the third quarter metal analysis is begun. Four hours attendance. One credit; autumn, winter, spring. Wed. p. m.

53. *Organic Chemistry for Nurses.* Chemistry 3 is a prerequisite. A survey of organic chemistry as applied to the field of medicine. Three credits; spring; M. W. F., 11:25.

61-62-63. *Elementary Organic Chemistry.* A study of the preparations, reactions, and constitution of the aliphatic and aromatic compounds of carbon. Prerequisite: Chemistry 3. Two hours attendance. Two credits; autumn, winter, spring; T. Th., 9:35.

61A-62A-63A. *Experimental Organic Chemistry.* A laboratory course to accompany Chemistry 61-62-63. The work includes the application of laboratory principles and procedures as well as the preparation of a large number of typical compounds. One 4-hour period per week. One credit; autumn, winter, spring. Thur. p. m.

101-102-103. *Elementary Analysis.* This course outlines the general principles underlying qualitative and quantitative analysis of the anions and cations. Emphasis is also placed on chemical arithmetic. Prerequisite: Chemistry 3. Two hours attendance. Two credits; autumn, winter, spring; T. Th., 10:30.

101A-102A-103A. *Analytical Laboratory.* The characteristic reactions of the anions are studied in detail. The analysis of unknowns is a required part of the course and helps to train the student in systematic and individual analysis. Four hours laboratory. One credit; autumn, winter, spring. Sunday.

113. *Biochemistry for Medical Students.* A study of the chemistry of foods, digestion and body metabolism. Three credits; spring; M. W. F., 11:25. Prerequisite: Chemistry 63.

113A. *Biochemistry Laboratory.* Experimental work on foods, digestive processes and products to accompany Chemistry 113. Three hours attendance. One credit; spring; Sunday.

121. *Organic Qualitative Analysis.* A systematic identification of the various types of organic compounds, including unknowns. One hour conference and six hours laboratory. Three credits; autumn.

122. *Organic Synthesis.* The preparation of various aliphatic and aromatic compounds involving representative procedures employed in synthetic work. One conference and six hours of laboratory. Three credits; winter.

123. *Inorganic Synthesis.* The course includes the preparation of a variety of inorganic compounds to illustrate standard methods of procedure employed in inorganic preparations. One conference and six hours of laboratory per week. Three credits; spring.

151-152-153. *Physical Chemistry.* An introductory course in theoretical chemistry and electrochemistry. Prerequisite: Physics 53, Chemistry 63 and 103, and Mathematics 53. Three hours attendance. Three credits; autumn, winter, spring; M. W. F., arr.

*151A-152A-153A. *Practical Physical Chemistry.* This course provides a series of experiments covering the fundamental topics of theoretical chemistry. Experiments involve the various physical properties of matter and their constants. The latter part of the course deals with electrochemistry. Four hours laboratory; one credit; autumn, winter, spring.

*Not offered in 1946-1947.

*161, 162, 163. *Quantitative Analysis.* This course includes the study of typical gravimetric and volumetric methods, and the practical examination of ores and commercial products. Prerequisite: course 103. Six to eight hours laboratory and conference. Two credits; autumn, winter, spring; arranged.

EDUCATION

Mr. Smith, Miss Searle, Mr. Gernet

1. *Introduction to Education.* A study of school practice and management dealing especially with types of lessons, organization, and the functions and principles of education. Two credits; autumn; T. Th., 8:40.

57, 62. *General Psychology.* A survey course emphasizing the scientific bases of psychological investigation. It serves as a basis for further courses in education and an introduction to the field of psychology. Three credits; autumn, M. W. F., 10:30. Winter, M. W. F., 1:00.

61, 59. *Principles of Education.* A study of the underlying principles of Christian education. Three credits; autumn, Sec. A, M. W. F., 1:00; spring, Sec. B, M. W. F., 10:30.

58, 63. *Educational Psychology.* This course emphasizes the application of psychological principles to the art of teaching. The responsibility of the school in developing a dynamic, social, and ethical personality is stressed. The practices of the modern school are studied in the light of empirical findings, experimental research, and case studies. Three credits; winter, 10:30, M. W. F., spring, 1:00, M. W. F.

66. *Principles of Geography.* A general knowledge of the field of geography. The human, as well as the physical and commercial phases will be stressed. Five credits; spring; M. W. F., 7:45.

112. *Child Life and Problems.* A study of the most significant facts and principles of the mental and physical development of the child, together with the psychological laws that govern child behavior. Three credits; winter; M. W. F., 10:30.

116. *Philosophy of Education.* A study of the basic principles and development of true education resulting in the formulation of aims and objectives of education for Christian society. Three credits. Spring: M. W. F., 11:25.

121. *Secondary Education.* The evolution, scope, and functions of secondary education, including the field of the junior high school, the junior college, denominational schools, and other educational agencies in relation to social needs; it presents particularly the purpose, objectives, and attainable goals for secondary schools, and the several curriculum offerings. Prerequisite: Junior standing. Three credits; autumn; M. W. F., 8:40.

122. *Secondary School Administration and Supervision.* A course which presupposes some familiarity with problems of administration and supervision. An intensive study of more important problems of constructive organization in secondary education and the improvement of school work. Prerequisite: Course 121 or the equivalent. Three credits; winter; M. W. F., 7:45.

*Not offered in 1946-1947.

*129. *School Home Administration.* A course designed especially for those interested in school home work in boarding schools, covering the development, mission, and organization of school homes, with emphasis on the fostering of spiritual and cultural ideals and leadership, in the light of the educational standards of Seventh-day Adventists and the recent developments in the field of personnel work. Three credits; spring; to be arranged.

133. *Psychology of Learning.* The course includes an analysis of the mechanisms involved in the learning process. The physiological and psychological bases for functional learning are discussed, and the experimental evidence supporting psychological hypotheses are reviewed. Three credits; spring; M. W. F., 8:40.

136. *Educational Tests and Measurements.* Designed to give the student a comprehensive view of the uses of standard tests and scales in elementary and secondary subjects, the value and limitation to the teacher and supervisor of these tests, and their statistical treatment. Opportunity will be provided for the application of the scales and studies. Prerequisite: Psychology. Fee: \$2.00. Three credits; spring; M. W. F., 10:30.

137. *Adolescent Life and Guidance.* Principles and methods involved in educational, vocational, and general guidance of the adolescent pupil. Attention is given to the nature and behavior of adolescents leading to facility in understanding and teaching pupils at the secondary level. A study of the methods of psychotherapy and the outcomes of its application is included. Prerequisite: General and Educational Psychology. Three credits; autumn; M. W. F., 7:45.

*143. *The Secondary School Curriculum.* The relation of curricular materials to educational outcomes in terms of personal and social values. A brief review of curriculum investigations and their significance in the selection and evaluation of secondary school materials and activities. Current practices in curriculum revision. Prerequisite: General or Educational Psychology and course 121. Two credits; spring; T. Th., 7:45

ELEMENTARY TEACHER TRAINING

Miss Searle, Miss Rue

11, 13. *Industrial Arts.* Covering the teaching in the grades of elementary woodwork, home economics, and agriculture. Three credits, autumn; two credits, spring; M. W. F., 7:45-9:30.

12. *Teaching of Art.* A course to prepare the teacher to direct activities in the schoolroom such as clay modeling, poster-making, art, lettering, crayola, pencil, watercolor, and blackboard drawing, crafts and appreciation. Three credits; winter; M. W. F., 7:45.

52. *Principles of Mathematics.* A background of information, with the methods which will enable the teacher to enrich the arithmetic work of all grades. Three credits; winter; M. W. F., 11:25.

71. *Teaching Techniques.* Objectives and modern methods in the teaching of reading. Three credits; autumn; M. W. F., 8:40.

*Not offered in 1946-1947.

72. *Teaching Techniques.* A course giving the teaching procedures in the related fields of the language arts, literature, grammar, spelling, and writing. Three credits; winter; M. W. F., 8:40.

73. *Teaching Techniques.* Materials, objectives, and methods used in teaching social studies in the grades. Chosen from the fields of geography, sacred and secular history, and civics. Three credits; spring; M. W. F., 8:40.

81, 82, 83. *Directed Teaching I.* Observation and teaching in the Training School. Problems of method, management, and testing of achievement are met and solved in practical classroom situation. Enrollment only with permission of the Director of the Training School. Prerequisite: Scholarship average of C. Two credits; autumn, winter, spring; M.-F. Time to be arranged for each student.

101, 102, 103. *Directed Teaching II.* Observation and teaching in the Training School. Each student is expected to take full charge of his class and is responsible for the progress of the child during his teaching time. Enrollment only with permission of the Director of the Training School. Prerequisite: Scholarship average of C. Time to be arranged for each student.

104. *Diagnostic and Remedial Teaching.* A study presenting modern techniques in the adaptation of instruction to individual differences. Case work and detailed diagnostic procedures in the elementary subjects will be emphasized. Three credits; autumn; M. W. F., 7:45.

106. *Child Literature.* A course designed to survey the field of childrens' literature. Two credits; spring; T. Th., 9:35.

SECONDARY TEACHER TRAINING

Mr. Smith, Mr. Alcock, Miss Scott, Miss Shull, Miss Sonnenberg

134. *Techniques in Secondary Subjects.* This course is open to juniors who have definitely decided to go into denominational teaching. The purpose of the course is to develop a sound and practical understanding of the teaching experience and to assist the student in acquiring and evaluating effective procedures of instruction based upon the results of modern investigations. Two credits; autumn; T. Th., 8:40.

162. *Observation and Directed Teaching.* The principles and practices of secondary teaching will be examined in the light of practical experience gained through observation and supervised participation in school activities. Actual school situations will be provided for laboratory purposes. Class discussions will be concerned with the problems common to all teaching situations. Prerequisite: Senior standing and 15 credits in Education. Three credits; winter; T., 3:00-4:00.

197L. *Special Methods in Language Arts and Literature.* Education and senior standing. Three credits; autumn; time to be arranged.

197M. *Special Methods in Mathematics and Physical Science.* (Same as 197L.)

197S. *Special Methods in Social Science.* (Same as 197L.)

SOCIOLOGY

*2. *Introduction to Sociology*. An elementary study of social organization, the nature of social relations, and the influences that shape society. Three credits; winter.

107. *Human Relations*. A general course designed to acquaint the student with the ethics of human relationships, of standards of community life, of the responsibilities of the cultured individual in society, and to provide a Christian perspective regarding the problems of marriage and home building. Three credits; autumn; arranged.

*108. *Cultural Foundations*. A survey of the cultural heritage of the race of the best in music, art, ancient literature, and other appreciations. Competent guest lecturers will frequently appear before the class. Three credits; winter; arranged.

*Not offered in 1946-1947.

ENGLISH, JOURNALISM, AND SPEECH

Mr. Little, Mr. Aplington, Mr. Emmerson, Mrs. Hendershot

This department offers a major in English and minors in English, journalism, and speech. Except for the vocational printing courses and Essentials of Speech, freshman courses do not apply on a major or minor.

The requirements for a major in English are:

DEPARTMENTAL	Credits
<i>Literary Elements</i> (51) (Sophomore)	3
<i>American Literature</i> (64-65-66) (Soph. or Junior)	6
<i>English Literature</i> (74, 75-76) (Soph.)	6-9
One writing course above the freshman level	6
<i>Historical Grammar and Linguistics</i> (166) [Prescribed for those seeking departmental recommendation as teachers]	0-3
<i>Pro-Seminar</i> (197-198-199) (senior)	3
CHOOSE FROM FOLLOWING:	6-15
* <i>Old and Middle English</i> (101, 102-103)	
<i>English Renaissance Literature</i> (107-108, 109)	
<i>Neo-classic Literature</i> (117-118-119)	
<i>Dramatic Literature</i> (184, 185-186)	
<i>Western World Literature</i> (161, 162-163)	
CHOOSE FROM FOLLOWING:	3-12
<i>The Romantic Period</i> (121-122-123)	
<i>The Victorian Period</i> (124-125-126)	
<i>American Literary Masters</i> (137, 138, 139)	
<i>Literature of the English Bible</i> (152-153)	
<i>Twentieth Century Literature</i> (82)	

EXTRA-DEPARTMENTAL

1. English history (required) and United States history (recommended)
2. A minor in a field with logical correlation, such as history, modern language, journalism, speech

A minor in English shall be made up of not less than 27 credits, 6 of these being in a writing course above the freshman level and the other 21 in a literature sequence that includes American (64-65-66) and English (74, 75-76) literature surveys.

COMPOSITION

1-2-3. *Freshman Composition.* Fundamental principles of composition: syntax, effective sentence structure, punctuation, paragraph development, organization of material, writing the various types of themes, and reaction to a reading program. English 1 or 1A will be repeated in the winter, spring, or summer when the need is adequate. Three credits; autumn, winter, spring; M W. F.; Sec. A, 7:45; Sec B, 10:30; Sec. C, 11:25; Sec. D, 11:25; Sec. E, 1:00.

1A-2-3. *Freshman Composition.* This course differs from the preceding one in that during the first quarter only it meets five times a week in order to accommodate those who need a review in fundamentals or extra attention to basic details. Three credits; autumn, winter, spring; M-F., Sec. F, 10:30.

4-5-6. *Teachers' English.* This is a course in grammatical structure and first-year college composition. Enrollment is restricted to prospective elementary and grammar-grade teachers who achieve average standing or better in the Freshman Composition placement test. Credit is not allowed for this course if one has credit in English 1-2-3 or 1A-2-3. Two credits; autumn, winter, spring; T. Th., 10:30.

84-85-86. *News Writing.* See Journalism 84-85-86. Two credits; autumn, winter, spring; T. Th., 10:30.

141-142-143. *Literary Composition.* A course for those who like to write and can do so with reasonable facility in such fields (according to the option and ability of the student) as the essay, the dissertation, formal argumentation, persuasion, pieces of imagination, vignettes, and poetry. Enrollment restricted. Two credits; autumn, winter, spring; T. Th., 5:00.

*144-145-146. *Advanced Journalistic Writing.* See Journalism 144-145-146. Two credits; autumn, winter, spring.

LITERATURE

51. *Literary Elements.* A study of the basic principles, the philosophy and nature of literary art, and the technical terminology together with an analysis of the various forms and types of poetry and prose. This is prerequisite to the literature classes unless the student shows that he has a working familiarity with the elements of literature. Three credits; autumn; M. W. F., 7:45.

*Not offered in 1946-1947.

64-65-66. *American Literature*. A survey of American literature with particular attention to the cultural complexes and philosophies that have characterized the various periods of literary history in this country. Two credits; autumn, winter, spring; T. Th., 8:40.

74, 75-76. *English Literature*. A chronological study of English literature with emphasis on the major writers and movements from Beowulf up to about 1900. Literature is correlated with the other fine arts at appropriate times through the course. Three credits; autumn, winter, spring; M. W. F., 8:40.

82. *Twentieth Century Literature*. Modern American and British literary achievements studied as a revelation of contemporary attitudes, ideals, and conducts. Three credits; winter; M. W. F., 7:45.

All courses on the junior-senior level have as prerequisites the appropriate lower-division preparation, which varies according to the course and literary preparation of the student in other languages and in history. Consult the department for directions.

101, 102-103. *Old and Middle English*. An examination and study in its historical setting of English literature from the earliest Anglo-Saxon remains up to about 1450. The Old English works are studied in translation and the Middle English, including Chaucer, largely in originals. Three credits; autumn, Old English; winter and spring, Chaucer and other Middle English; M. W. F., 8:40.

107-108, 109. *English Renaissance Literature*. Detailed exploration in the significant non-dramatic literature that reflects the essential temper of the Renaissance period, with chief emphasis on Spenser, Bacon, and Milton. Three credits; autumn, 1540-1600; winter, 1600-1650; spring, Milton and the transition; M. W. F., 10:30.

*117-118-119. *Restoration and Neo-classic Literature*. Neo-classic ideals and achievements as reflected in the chief writers of the time from Bunyan and Dryden to Johnson. Two credits; autumn, winter, spring.

*121-122-123. *The Romantic Period*. An analytical examination of the emergence of Romantic ideals and their manifestation in literature, beginning with the pre-Romantic school and going to 1832. Two credits; autumn, winter, spring.

124-125-126. *The Victorian Period*. An advanced study of the poetry and prose of the men who moulded and reflected characteristic opinion and ideals after the first third of the nineteenth century. Two credits; autumn, winter, spring; T. Th., 9:35.

137, 138, 139. *American Literary Masters*. An advanced study of a restricted number of American writers who have given significant distinction to American letters. Two credits; autumn, winter, spring; T. Th., 7:45.

*152-153. *Literature of the English Bible*. Detailed analysis of the technical requirements of Hebrew poetry and prose types, particularly stressing passages that reveal the peculiar literary genius and grandeur of the Bible. Two credits; winter, spring; M. W., 8:40.

*Not offered in 1946-1947.

*161, 162-163. *Western World Literature*. Broad outlines of literary history, literary criticism, and reading and examination of the more significant works in the history of human culture. Two credits; autumn, winter, spring.

166. *Historical and Modern Grammar and Linguistics*. This study, designed for English majors and minors who intend to be teachers, includes a survey of linguistics and historical grammar, but the chief emphasis is on present-day grammar and its tendencies. Three credits; spring, M. W. F., 2:00.

184, 185-186. *Dramatic Literature*. A carefully selected group of dramatic classics from Aeschylus to Ibsen, studied to reveal their literary values and cultural attitudes. About half the time is spent on Shakespeare. Three credits; autumn, winter, spring; M. W. F., 8:40.

197-198-199. *English Pro-seminar*. An integrating course required of English majors in the senior year and recommended to minors. The study includes: aims, methods, and materials of English scholarship; investigation of problems peculiar to the class personnel; group conferences and reports. One credit; autumn, winter, spring; W., 5:00.

JOURNALISM

The department offers a minor in journalism with adequate laboratory work on school publications, projects, and newspaper reporting. To qualify for a minor in this field the student must have a broad cultural course in general college studies, including among his prescribed and elective courses American history, civil government, sociology or general economics, advertising, typewriting, and two courses in literature. A thorough mastery of English fundamentals is expected of all taking journalism courses.

11-12-13. *Printing I*. See Printing Department courses 1, 2, 3. Two credits; autumn, winter, spring.

17-18-19. *Printing II*. See Printing Department courses 7, 8, 9. Two credits; autumn, winter, spring.

84-85-86. *News Writing*. A practical course in gathering news and writing news stories, simple feature stories, and editorials. Copy editing and other desk exercises are designed to aid the student in developing skill in producing acceptable newspaper copy. Prerequisite: proficiency in English 1-2-3. Two credits; autumn, winter, spring; T. Th., 10:30.

106. *Public Address Reporting*. Specialized practice in reporting sermons, speeches, public meetings, and interviews according to good newspaper formula. Enrollment restricted. Two credits; winter or spring. Time arranged.

131-132-133. *Copy-desk Editing*. This is a practice course for those who have done acceptable work in News Writing 84-85-86. The work involves laboratory projects in copy-editing, rewriting, head-writing, proof reading, make-up, feature production, and office detail. One credit; autumn, winter, spring. Time arranged.

*Not offered in 1946-1947.

*138. *History and Ethics of Journalism*. History of Journalism from about 1620 down to the present time with parallel attention to the principles that guide the best newspapers. Three hours; winter.

*144-145-146. *Advanced Journalistic Writing*. An advanced course in writing such publication types as editorials, features, general magazine articles, book reviews, and critical discussions. Two credits; autumn, winter, spring; T. Th., 5:00.

149. *Newspaper Problems*. A study of the policies and practices of the better weekly and small city newspapers as related to news content, editorials, advertising, circulation, costs. Part of the work will be in the form of research and observation in a newspaper plant of the type considered in the course. Three hours; spring. Time arranged.

SPEECH

A minor is offered in speech. Requirements: Twenty-seven credits, including Speech 1-2-3, and nine credits in the upper division.

The speech laboratory is equipped with a Presto Professional Recording machine upon which each student is required to make a record of his voice at regular intervals. Radio Production students have access to sound equipment in the specially constructed studio.

1-2-3. *Essentials of Speech*. A course in the fundamentals of speech with emphasis on the acquirement of ease before an audience, a conversational attitude, and reasonable facility in pronunciation, articulation, and voice production. Instruction in the use of a public address system is included. Open to freshmen. Two credits; autumn, winter, spring; Sec. A, T. Th., 9:35; Sec. B., T. Th., 10:30; Sec. C, T. Th., 8:40.

*85. *Parliamentary Procedure*. The theory and practice of parliamentary law, with much participation by all class members. Two credits; autumn; T. Th., 7:45.

*86. *Oral Reading*. A course in reading from the page with fluency and effectiveness; reading from the Bible; choral speaking. Two credits; winter; T. Th., 7:45.

*87. *Oral Interpretation*. Practice in memoriter reading and choral speaking. Prerequisite: four credits in speech. Two credits; spring; T. Th., 7:45.

101-102-103. *Speech Correction*. A practical introduction to the field of speech correction. Approximately two hours will be devoted to class assignments, and one hour to clinical work. Each student will work with as many types of speech difficulties as possible. Three credits; autumn, winter, spring; M. W. F., 8:40. Clinic time to be arranged.

111-112. *Persuasive Speaking*. A study of the techniques of analysis and investigation; participation in group discussion for problem solution; organization of a persuasive campaign. Prerequisite: Speech 1-2-3. Three credits; autumn, winter; M. W. F., 7:45.

113. *Public Lecturing*. A course in the use of illustrative and demonstrative material as well as in the presentation of the straight platform

*Not offered in 1946-1947.

*161, 162-163. *Western World Literature*. Broad outlines of literary history, literary criticism, and reading and examination of the more significant works in the history of human culture. Two credits; autumn, winter, spring.

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149. *Newspaper Problems*. A study of the policies and practices of the better weekly and small city newspapers as related to news content, editorials, advertising, circulation, costs. Part of the work will be in the form of research and observation in a newspaper plant of the type considered in the course. Three hours; spring. Time arranged.

SPEECH

A minor is offered in speech. Requirements: Twenty-seven credits, including Speech 1-2-3, and nine credits in the upper division.

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*85. *Parliamentary Procedure*. The theory and practice of parliamentary law, with much participation by all class members. Two credits; autumn; T. Th., 7:45.

*86. *Oral Reading*. A course in reading from the page with fluency and effectiveness; reading from the Bible; choral speaking. Two credits; winter; T. Th., 7:45.

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111-112. *Persuasive Speaking*. A study of the techniques of analysis and investigation; participation in group discussion for problem solution; organization of a persuasive campaign. Prerequisite: Speech 1-2-3. Three credits; autumn, winter; M. W. F., 7:45.

113. *Public Lecturing*. A course in the use of illustrative and demonstrative material as well as in the presentation of the straight platform

*Not offered in 1946-1947.

speech of greater length. Prerequisite: Speech 1-2-3. Three credits; spring; M. W. F., 7:45.

151-152-153. *Radio Production*. Continued study of microphone technique, practice in announcing, and preparation and presentation of programs for broadcasting. Prerequisite: Speech 1-2-3. Two credits; autumn, winter, spring. Membership limited. M., 1-3; Laboratory W., 4-6.

197-198. *Methods in Teaching Speech*. Two credits; autumn, winter. Time arranged.

HISTORY

Mr. Westermeyer, Mr. Shankel

The minimum history requirement for a baccalaureate degree may be met by completing one of the following courses:

History of European Civilization (1, 2, 3)	9 credits
History of the United States (51, 52, 53)	9 credits

Requirements for a major in history include:

History of European Civilization (1, 2, 3)	9 credits
History of the United States (51, 52, 53)	9 credits
Seminar in History (198, 199)	2 credits
Political Science	3 credits
Upper-division courses in European history	6 credits
Upper-division courses in American history	6 credits
Elective courses in history	22 credits
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Total required for a major in history	57 credits
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Requirements for a minor in history include:

History of European Civilization (1, 2, 3)	9 credits
History of the United States (51, 52, 53)	9 credits
Seminar in History (198, 199)	2 credits
Political Science	3 credits
Upper-division courses in history	9 credits
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Total required for a minor in history	32 credits
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Additional regulations governing majors and minors in history are posted on the department bulletin board, and should be consulted by those concerned.

LOWER-DIVISION COURSES IN HISTORY

1, 2, 3. *History of European Civilization*. A survey of European history and its world relationships from the Roman Empire to the present. Three credits; autumn, winter, spring; M. W. F., 10:30.

51, 52, 53. *History of the United States*. A survey of the colonial period, followed by a more detailed study of the national period. Three credits; autumn, winter, spring; M. W. F., Sec. A, 8:40; Sec. B, 1:00.

UPPER-DIVISION COURSES IN EUROPEAN HISTORY

[Prerequisite: *History of European Civilization* (1, 2, 3), nine credits.]

*101, 102, 103. *History of England*. The development and expansion of the English people from the earliest times to the present. Two credits; autumn, winter, spring; T. Th., 7:45.

111. *History of the Ancient Near East*. The civilizations of Babylon, Assyria, Egypt, Medo-Persia and minor nations and their relation to the history of the Hebrew race. Three credits; autumn; M. W. F., 7:45.

112. *Greece and the Hellenistic Age*. A study of Greek civilization, its political and intellectual contributions, Hellenistic civilization in relation to the peoples surrounding the Eastern Mediterranean Basin. Three credits; winter; M. W. F., 7:45.

113. *Roman Civilizations*. Early Roman political forms, the growth of the empire in relation to a militant Christianity, the elements of political decay leading to its decline, the contributions of Roman civilization to the Western nations. Three credits; spring; M. W. F., 7:45.

*114, 115, 116. *Church History*. A survey of the history of Christianity to the inception of the American and French revolutions. Emphasis is placed upon backgrounds, earlier formative years, rise of catholic Christianity, and the medieval changes leading up to the reformation and protestant divergencies. Considerable use of cultural and political history. Three credits; autumn, winter, spring; M. W. F., 7:45.

*121, 122, 123. *History of the Middle Ages*. The European peoples and their institutions from the decline of the Roman Empire to the end of the fifteenth century. Three credits; autumn, winter, spring.

131. *The Late Middle Ages*. The period of papal revival, the growth of the towns, the struggle of Empire and Papacy, the emergence of royal authority, the rise of the bourgeoisie, growing dissent in the medieval church. Two credits; autumn; T. Th., 11:25.

132. *The Renaissance*. The decline of feudalism, of the guild system, of papal authority, and of scholastic thought, followed by the Italian Renaissance and Humanism in the north. Two credits; winter, T. Th., 11:25.

133. *The Reformation*. The revolution in religion. A study of the main branches of Protestantism and their relation to the political life of Europe; the Catholic Counter-Reformation. Two credits; spring; T. Th., 11:25.

*134, 135, 136. *The Era of the French Revolution*. The Old Regime, the French Revolution, and the Napoleonic period through the Congress of Vienna. Two credits; autumn, winter, spring.

*141, 142, 143. *Europe Since 1815*. Political, economic, and social developments in nineteenth and twentieth century Europe, with special attention to our own times. Two credits; autumn, winter, spring; T. Th., 9:35.

151, 152, 153. *Current History*. A survey of contemporary national and international affairs, based upon an investigation into causal factors.

*Not offered in 1946-1947.

Current magazines, newspapers, and books are used. Two credits; autumn, winter, spring; T. Th., 9:35.

*154, 155, 156. *History of Religion in Totalitarian States.* An analysis of religious forces operative today, with special emphasis on recent trends in Russia, Italy and Germany. Two credits; autumn, winter, spring; T. Th., 10:30.

*157, 158, 159. *The Far East.* This course offers a survey of the history and culture of Far Eastern people, with emphasis on the interplay of political and cultural influences among the various eastern groups and between them and the Occident. Two credits; autumn, winter, spring.

161, 162, 163. *History of Russia.* A general survey of the expansion of Russia, Tsarish experiments in political and social reform, the rise and spread of revolutionary socialism, the collapse of the Russian Empire during the First World War, the postwar history of the U. S. S. R., including its conflict with Germany in World War II. Two credits; autumn, winter, spring; T. Th., 10:30.

174. *History of the British Empire.* Political and economic theories leading to imperialism, territorial growth, the nature of the empire, relation of the various parts to Great Britain. Three credits; autumn; M. W. F., 8:40.

UPPER-DIVISION COURSES IN AMERICAN HISTORY

[Prerequisite: *History of the United States* (51, 52, 53)), nine credits.]

*164, 165, 166. *The American Frontier.* The exploration, settlement, and development of the American west with consideration given to economic, social, cultural and political factors. Two credits; autumn, winter, spring.

172. *Diplomatic History of the United States.* A study of relations between the United States and other nations, outstanding controversies and their settlement, and the development of recognized foreign policies. Three credits; winter; M. W. F., 10:30.

175. *History of Canada.* The French period, English Colonial period in relation to the United States, the National period, westward expansion. Three credits; winter; M. W. F., 8:40.

176. *History of the Northwest.* Development of the Northwest with emphasis on the State of Washington. The fur traders, the missionary era, the settlement of Washington following 1846, territorial days, political and economic development during statehood. Three credits; spring, M. W. F., 8:40.

*181, 182, 183. *History of Religion in the United States.* An analysis of religious forces in the development of the United States, and their inter-relationships with social, cultural, economic and political forces. Two credits; autumn, winter, spring; T. Th., 10:30.

*191, 192, 193. *History of Latin America.* A survey of the colonial period, followed by a more detailed study of the development of the individual Latin-American nations and their world relationships. Two credits; autumn, winter, spring; T. Th., 8:40.

*Not offered in 1946-1947.



Library

RESTRICTED COURSES

(Open only to majors and minors in history.)

194, 195, 196. *Independent Study in History.* Open only by written permission of the head of the department to advanced students with a superior background in historical study. Readings, reports, and conferences. One or two credits; autumn, winter, spring; hours to be arranged.

197, 198. *Seminar in History.* A research course in problems connected with historical materials and methods. One credit; autumn, winter; T., 1:00.

HOME ECONOMICS

Miss Schluntz, Mrs. Zolber

For those majoring in Home Economics and preparing for graduate study in the field or for work as professional dietitians, the following courses are required in addition to 45 credits in Home Economics: Chemistry 1-2-3, and 51-52, Microbiology 5-6, and six credits in Physiology. Those preparing for secondary school teaching take the following courses: Chemistry 1-2-3, Sanitary Bacteriology 151, and six credits in Physiology.

A minor in Home Economics must include courses 1, 2, 3 and 71-72-73.

1, 2. *Food Study.* Discussion of the fundamental problems of food in relation to health; study of the composition, nutritive value, and digestibility of common foods; principles of food selection and preparation. Three credits; autumn, winter; T. Th., 9:35. Laboratory, M. or W., 2:00-5:00.

3. *Food Preparation and Service.* A course in menu planning and table service. Preparation and practice in serving formal and informal dinners, buffet suppers, luncheons, etc. Prerequisite: Course 1, 2. Three credits; spring; T. Th., 9:35. Laboratory, M. or W.

41. *Applied Design.* Decorative art involving a consideration of line, form, and color as applied to problems in block print, hand weaving, etc. Develops standards of judgement through analysis of fine pictures, textiles, etc. Three credits; autumn; M. W. F., 8:40.

42, 43. *Interior Decoration.* Study and application of the principles governing the selection of furniture, textiles, pictures, and other furnishings for the home and their arrangement with appropriate backgrounds. Prerequisite: Course 41. Three credits; winter, spring; M. W. F., 8:40.

71-72-73. *Clothing Selection and Construction.* Aims to develop good taste in dress and to give an appreciation in selection of clothing from standpoint of beauty, health, and economy. Fundamental processes of hand and machine sewing. Study of alterations, fitting problems, and use of commercial patterns. Construction of cotton, wool and silk garments. problems in pattern designing and making of various types of sleeves, collars, plaits, and flares. Three credits; autumn, winter, spring; T. Th., 1:15-4:00.

*87. *Consumer Buying.* A study of the homemakers problems in buying textiles, clothing and household materials with emphasis on the economic principles involved. Two credits; autumn; T. Th., 10:30.

*88. *Textiles.* A study of fabrics to determine fundamental differences and to develop judgment in buying clothing and house furnishing materials. Three credits; winter; T. Th., 10:30.

89. *Costume Design.* A study of line, color, and texture as they are used in costume for different types and occasions. Problems in selecting and designing. Prerequisite: Course 41. Three credits; spring; T. Th., 10:30.

*126. *Household Management.* Management problems of the homemaker in regard to income, time, labor, and family relationships. Study of the selection, operation, care and arrangement of household equipment. Three credits; spring; M. W. F., 10:30.

134. *Tailoring.* Principles involved in making suits and coats for women. Open only to those who show skill in construction of garments. Prerequisite: Course 71-72-73. Three credits; autumn; M. W., 1:00-4:00.

135. *Advanced Clothing Construction.* This course offers advanced work in clothing construction and design. Making of dress forms, patterns, and garments. Three credits; winter; M. W., 1:00-4:00.

*141-142. *Child Development.* A study of the care and development of young children, with special reference to home education. Three credits; autumn, winter; M. W. F., 10:30.

161-162. *Nutrition.* A scientific study of nutrition involving digestion and metabolic processes and products; selection of an optimal diet for health; recent investigations of nutritional deficiency diseases. Prerequisites: Course 1-2-3, and General Chemistry. Three credits; autumn, winter; M. W. F., 10:30.

163. *Experimental Cookery.* Development of experimental methods; their application of investigations in cookery and the skills involved; acquaintance with the literature in this field; preparation of the student for independent investigations in foods. Prerequisites: Course 1-2-3, and General Chemistry. Three credits; spring; M. W. F., 10:30
Laboratory arranged.

172-173. *Institutional Training.* This course offers practical work in the school cafeteria for those who are interested in being food service directors or cafeteria managers. Two credits; winter, spring; time arranged.

177. *Advanced Institutional Training.* This course gives advanced training in the supervision of the school cafeteria and other institutional activities. Two credits; autumn; time arranged.

*183. *Home Economics Seminar.* Required of all majors. Studies of selected topics and reviews of current literature. Special investigations of problems. Prerequisite: at least thirty credits in Home Economics. Three credits; spring; time arranged.

LIBRARY SCIENCE

Mrs. Sittner

31-32-33. *Library Science.* Instruction in library methods, arrangement, classification, cataloging; the care and use of books and periodicals. Practice work required. Three credits; autumn, winter, spring. Hour to be arranged.

*Not offered in 1946-1947.

MATHEMATICS*Mr. Brinker*

A major in mathematics shall consist of 45 credits, including courses 1, 2, 3, 51-52-53, 21 of which must be upper division. A minor shall consist of 27 credits, including courses 1, 2, 3, 51-52-53.

0. *Plane Geometry.* Given for college entrance. No credit. To be arranged.

1. *Advanced Algebra.* A course for those who have had but one year of algebra in the preparatory school. It reviews briefly the fundamental principles of first-year algebra and continues with a further study of the quadratic equation, radicals, and fractional exponents. Four credits; autumn; M. T. W. F., 8:40.

2. *Trigonometry.* A study of the six trigonometric functions and their use in the solution of the triangle. Four credits; winter; M. T. W. F., 8:40.

3. *Analytical Geometry.* The equations of the straight line and conic sections and their relation to the rectangular and polar coordinates. Four credits; spring; M. T. W. F., 8:40.

11-12-13. *General Mathematics.* A course designed to meet the needs of pre-medical and pre-dental students and open only to those students. No credit will be given for this course toward a mathematics major or minor except by permission of the department head. Three credits; autumn, winter, spring; M. W. F., 1:00.

51-52-53. *Calculus.* The elements of differential and integral calculus with many problems in its application. Four credits; autumn, winter, spring; M. T. W. F., 7:45.

61. *Solid Geometry.* The methods of plane geometry as applied to the geometry of space with many problems in practical application. Two credits; autumn; T. Th., 10:30.

101. *Spherical Trigonometry.* Elements of trigonometry as applied to the spherical triangle and to navigation and astronomy. Two credits; autumn; T. Th., 10:30.

103. *Solid Analytical Geometry.* Typical equations of the plane, sphere, paraboloid, hyperboloid, and ellipsoid and their relation to rectangular and polar coordinates. Two credits; spring; T. Th., 10:30.

123. *College Geometry.* A course in plane geometry including constructions, properties of the triangle, similarity, and harmonic points and lines. Four credits; spring; time arranged.

131. *Theory of Equations.* Further study of complex numbers, solution of cubic and quadratic equations, symmetric functions, determinants, resultants, and discriminates. Four credits; autumn; time arranged.

141-142. *Differential Equations.* The solution of the various types of differential equations with applications to problems in physics, engineering, and geometry. Four credits; autumn, winter; time arranged.

152-153. *College Algebra.* A discussion of further algebraical topics, including permutations and combinations, multinomial theorem, inequalities convergency and divergency of series. Three credits; winter, spring; time arranged.

*Not offered in 1946-1947.

*163. *Advanced Calculus*. A study of power series, definite integral partial differentiation, multiple integrals, and other topics. Five credits; spring; M. T. W. Th. F., 1:00.

171. *Selected Topics in Mathematics*. Individual work to be carried on by the student, under the supervision of the instructor, and elected only after consultation with the head of the department. One to two credits; to be arranged.

MODERN LANGUAGES AND LITERATURES

Miss Sorenson, Mr. Sonnenberg

No credit will be allowed toward graduation from the Liberal Arts course for less than two years of any modern language taken either in college or preparatory school.

In case a student has taken two years of modern language to meet the preparatory school requirements, a minimum of fifteen credits in the same language is necessary to meet the college requirement. If the same language is not continued in college, then it will be necessary to obtain twenty-four credits in college.

A major in any one language consists of forty credits, exclusive of any elementary course, or fifty-eight credits of two languages, with the grouping of thirty-six and twenty-two credits respectively.

A minor consists of twenty-four credits, exclusive of an elementary course.

GERMAN

1-2-3. *Elementary German*. Thorough grammatical analysis. Special emphasis is given to reading and to the acquisition of a working vocabulary for the further study of the language. The foundation of formal instruction in composition is laid in dictation and memorization. Early use of sight material. Practice in free oral and written expression. Five credits; autumn, winter, spring; M. T. W. Th. F., 10:30.

51, 52, 53. *German Reading*. Continued analysis of the language. Special training in written and oral expression with aural comprehension. Composition, syntax, dictation. Intensive and extensive reading of modern literature with oral and written reports for the purpose of fixing special grammatical forms and usages well in mind. Increasing use of German in the classroom. Three credits; autumn, winter, spring; M. W. F., 11:25.

54-55-56. *Composition and Conversation*. A comprehensive and thorough review of grammar. Facility in oral and written expression. Study of common idioms. Analysis of difficult points of German syntax. Two credits; autumn, winter, spring; T. Th., 11:25.

*Not offered in 1946-1947.

*59. *Scientific German*. This course is designed especially for students who intend to enter a medical school, or who wish to acquire facility in reading German in the various fields of science. Three credits; spring.

101, 102, 103. *Introduction to German Literature*. A survey of the history of German literature from its beginning to the nineteenth century, supplemented by a study of some of the masterpieces of the language. Reading from lyric and epic poetry of the period of the Minnesanger. Plays and songs of the fifteenth and sixteenth centuries. Representative works of the Romantic period will be read and compared with selections from the classical period. Three credits; autumn, winter, spring; M. W. F., 1:00.

*105. *Classic Literature*. A careful study of the works of Goethe, Schiller, and Lessing, illustrating their influence upon the intellectual movements of their own, and subsequent times. Critical study of Goethe's *Hermann and Dorothea*; Schiller's *Wallenstein*; Lessing's *Nathan der Weise*. Three credits; winter.

*106. *Advanced Composition and Conversation*. A course in advanced composition, conversation, and reading. Increased oral practice. Special emphasis in linguistic fluency and accuracy in comprehension and reproduction. A comprehensive and thorough review of grammar. Continued study of idioms and special grammatical usages. Reading of more difficult German. Acquisition of an extended vocabulary. Instruction largely in German. Three credits; spring.

*107. *German Romanticism*. A study of the social, philosophical, and religious influences on the literature of the period, illustrated in works of the most representative authors. Lectures, collateral reading, and reports. Three credits; autumn; M. W. F., 8:40.

*152. *History of the German Language*. This course is open to advanced students of any language, including English. A practical study of the development of the language. Special emphasis upon the relation of English to German for the purpose of acquiring the habit of thinking clearly and correctly, if not profoundly, concerning the relationship of cognates. Reading of Hartmann von Aue's *Der Arme Heinrich*, and selections from the *Nibelungenlied*. Three credits; winter.

*153. *Modern Germany and Its Literature*. In this course contemporary cultural developments in Germany will be discussed and examined. They will be illustrated by readings from modern German prose, lyric poetry, and dramas. Reports. Newspaper reading. Three credits; spring.

154, 155, 156. *German Directed Reading*. One to three credits each quarter are offered to advanced students. The work consists of assigned readings in the library and written reports. Prerequisite: 101, 102, 103. Autumn, winter, spring; T., 9:35.

SPANISH

1-2-3. *Elementary Spanish*. Thorough grammatical analysis. Special emphasis is given to reading and to the acquisition of a working vocabulary for the further study of the language. The foundation of formal instruction in composition is laid in dictation and memorization. Early use of sight material. Five credits; autumn, winter, spring; M. T. W. Th. F., 10:30.

*Not offered in 1946-1947.

51, 52, 53. *Spanish Reading*. Selected readings from standard Spanish authors. A course designed for intermediate students who desire a reading knowledge. May be combined with 54, 55, 56, to make a five hour course. Prerequisite to any advanced course in literature. Three credits; autumn, winter, spring; M. W. F., 11:25.

54, 55, 56. *Spanish Composition and Conversation*. Grammar and composition drills and idioms. May be combined with 51, 52, 53, to make a five hour course. Two credits; autumn, winter, spring; T. Th., 11:25.

*101, 102, 103. *Introduction to Spanish Literature*. A survey of the history of Spanish literature. Lectures, reports, outside reading. The main currents of the development of the various branches of Spanish literature with a study of representative authors. Three credits; autumn, winter, spring; M. W. F., 7:45.

104. *Spanish Essay*. A study of the important Spanish essayists and their representative essays. Three credits; autumn; M. W. F., 7:45.

105. *Spanish Poetry*. This course includes a study of the history of Spanish poetry with the reading of representative Spanish poems. Winter; M. W. F., 7:45.

106. *Latin American Literature*. A survey of Latin American literature with especial emphasis on the South American authors. Spring; M. W. F., 7:45.

*153. *Spanish Pronunciation*. An analysis of the difficulties of Spanish pronunciation. Abundance of individual drill and practical directions for remedial exercises. Three credits; spring.

154, 155, 156. *Spanish Directed Reading*. One to three credits each quarter are offered to advanced students. The work consists of assigned readings and reports. Prerequisite: 101, 102, 103. Autumn, winter, spring; time to be arranged.

MUSIC

*Mr. Walker, Mr. Gernet, Mr. Hamilton, Miss Johnson
Miss Miller, Mr. Mitzelfelt*

The Music Department has offerings suitable for those students who wish a cultural appreciation of music as well as for those students who wish to choose music as a vocation in life. For the latter four major lines are open: Piano, Violin, Voice, and Cello.

After a probationary period of three quarters to demonstrate sincerity of purpose, application, and aptitude, those matriculating in music will be given full status as major students in their respective departments.

Any student who appears as a soloist in public must have the approval of his instructor.

*Not offered in 1946-1947.

When the student registers he will be given an outline indicating the specific requirements of the course quarter by quarter, and year by year.

Prerequisites: Sightsinging I, Directing I, Fundamentals, Advanced Standing in Applied Music.

(Prerequisites may be waived only by recommendation of the music faculty.)

2. *Fundamentals of Music.* A class dealing with notation, musical terms, instruments, eminent composers, hymns and hymn tunes, and the elementary techniques of sight-singing, directing, and scale and chord construction. Two credits; winter; T. Th., 8:40.

4-5-6. *Theory I.* A composite course including Sight Singing, Dictation, and Keyboard Harmony. One credit; two hours a week; autumn, winter, spring; T. Th., 3:00.

7-8-9. *Harmony I.* A course in chord structure and chord relationship from the melodic and rhythmic basis; harmonization of set and original melodies introducing non-chordal tones in the tonic and dominant harmonies; analysis; simple modulation. Composition of two original works is required for course. Two credits; autumn, winter, spring; T. Th., 1:00.

11-12-13. *Directing I.* This course is particularly designed to meet the needs of those who wish to direct evangelistic, church, and community singing as well as a prerequisite for advanced directing. One-half hour laboratory practice is required outside of class for which there is an accompanist fee of \$1.50 per period. One credit; autumn, winter, spring; F., 1:00.

14, 15, 16. *Elementary Class for Stringed Instruments.* This class is planned for both beginners and those who wish to teach and direct orchestras. The instruments include violin, viola, cello, and double bass. One credit; two hours a week; autumn, winter, spring.

17, 18, 19. *Elementary Class for Woodwind.* This class is planned for beginners and those who wish to teach band instruments. The instruments include, clarinet, oboe, flute, and bassoon. One credit; two hours a week; autumn, winter, spring.

21, 22, 23. *Elementary Class for Brass Instruments.* This class is planned for beginners and those who wish to teach and direct bands. The instruments include, cornet, or trumpet, baritone, tuba Eb and BBb, trombone, mellophone, alto horn and French horn. One credit; two hours a week; autumn, winter, spring.

24, 25, 26. *Percussion Instruments.* This class includes a study of percussion instruments: snare and bass drums, tympani, cymbals, castanets, glockenspiel (bells), xylophone, marimba, chimes, and accessory instruments. This class is designed for band and orchestra students and future directors.

31, 32, 33. *Instrumental Ensemble of Woodwind or Brass Combinations.* These organizations study and perform chamber music literature on public and radio programs. One credit; autumn, winter, spring.

51, 52, 53. *Survey of Music Literature.* An appreciation and orientation course in the classics of music literature designed to acquaint the student with works of standard merit and to develop in him the ability to

listen with appreciation, enjoyment, and discrimination. One credit two hours a week; autumn, winter, spring; time arranged.

54-55-56. *Theory II.* A composite course that continues the work begun in Theory I. One credit, autumn, winter, spring. T. Th., 4:00.

57-58-59. *Band.* One-half credit; T. Th., 5:00.

*61-62-63. *Harmony II.* Chromatic harmony; modulation to distant keys; harmonization of original melodies; analysis; application of harmonic techniques to the keyboard. Composition of two original works is required for course. Two credits; autumn, winter, spring; T. Th., 2:00.

64-65-66. *Directing II.* Prerequisite: Directing I. How to organize, train, and conduct various instrumental and choral groups in church and school. A brief survey of training methods and selections for public performance that are published. How to read a full score of the orchestra, band, and choral groups. The laboratory work will consist of directing in rehearsal and concert various musical organizations of the College, Academy and Grade School. One credit; autumn, winter, spring; M., 1:00.

*67-68-69. *Hymn and Accompanying Class.* A study of chords and the required technique for their execution in hymn playing. A practical study will also be made for simple accompaniments. One credit; autumn, winter, spring.

71A-72A-73A. *Music Teaching (Piano).* This is designed for those who plan to teach, and will include a detailed study of repertoire, keyboard technique, pedal technique, memorizing, rhythm, and reading from the earliest to the advanced grades. One credit; autumn, winter, spring.

71B-72B-73B. *Music Teaching (Voice).* This class is designed for those who plan to teach voice, and consists of a detailed study of repertoire, correct breathing, voice placement, memorizing, rhythm, and reading from the earliest to the advanced grades. One credit; autumn, winter, spring.

71C-72C-73C. *Music Teaching (Violin).* This class is designed for those who plan to teach violin, and will include a detailed study of repertoire, technique, memorizing, rhythm, and reading from the earliest to the advanced grades. One credit; autumn, winter, spring.

74-75-76. *Treble Clef Club.* One-half credit; autumn, winter, spring.

77-78-79. *Male Chorus.* One-half credit; autumn, winter, spring.

81, 82, 83. *Vocal Ensembles.* Duets, trios, quartets, sextets. One credit; autumn, winter, spring.

84, 85, 86. *Church Music.* A course designed primarily for students registered in the School of Theology but which is also open to music majors. The ministry of music in its various phases, relationship of the pastor with the church musician, study of evangelistic music, attention is given to representative hymnody, solos, duets, trios, quartets and anthems, elementary conducting and choir organization. One credit; autumn, winter, spring; W., 1:00.

87-88-89. *A Cappella.* One-half credit; M. W., 5:00.

91, 92, 93. *Chamber Music.* String quartets; violin, 'cello, and piano trios, etc. Upper division students may receive upper division credit. One credit; autumn, winter, spring.

*Not offered in 1946-1947.

94-95-96. *Orchestra*. One-half credit. M. W., 9:00 p. m.

99. *Music in the Elementary School*. Main objectives for teaching music in grades. Organization of course, teaching of rote songs, part singing, appreciation of music, care of children's voices. Three credits; spring; M. W. F., 10:30.

*111-112-113. *History of Music*. This course covers the development of music from its beginning through the Ancient, Medieval, Renaissance, Classical, Romantic, and Modern periods. Research and term reports. A study of the arts will be correlated with each period of music history. Three credits; autumn, winter, spring; time to be arranged.

114-115-116. *Form and Analysis*. A study of the design and harmonic structure of simple and complex forms of music composition; standard classic works analyzed. Two credits; autumn, winter, spring.

*121-122-123. *Counterpoint*. Principles of two, three, and four part strict counterpoint, invention, fugue, canon, and contrapuntal harmonization. Analysis of the Well-Tempered Clavichord. Two credits; autumn, winter, spring; T. Th., 2:00.

*131-132-133. *Composition*. Study of the art of melodic invention; original composition in small forms principally of homophonic design. Harmony I and II prerequisite courses. Two credits; autumn, winter, spring.

*141-142-143. *Orchestration*. Practical work arranging for band and orchestra with special attention to the problems of transposition, substitution, combinations, and the peculiar possibilities and limitations of the various instruments. Two credits; autumn, winter, spring.

ENSEMBLE

All music students are invited to take part in some one or more of the various ensemble activities, orchestra, glee clubs, or chorus. One-half credit a quarter is allowed.

THE COLLEGE SYMPHONY ORCHESTRA

This organization is made up of the best violinists, violists, violincellists, and double bass performers of the college and community. The woodwind and brass performers represent the best soloists of the college band. The orchestral repertoire is designed to familiarize the members with the best symphonic literature. Each quarter the organization learns a new symphony in addition to the many lighter overtures and classic excerpts. Public and radio concerts are given several times a year. Throughout the year the college symphony orchestra accompanies various concerts performed by various members of the music faculty and students as well as choral organizations.

*Not offered in 1946-1947.

THE COLLEGE CONCERT BAND

This organization is composed of members of the entire college and community. Frequent secular and sacred concerts are given to the student body and community as well as performances in various cities. The repertoire includes brilliant military marches of Sousa, Fillmore, King, Olivadoti, and others, standard overtures, orchestral transcriptions, folk song medleys and symphonic selections of modern band composers. The woodwind color, the brilliance of the brass and rhythm of the percussion drums makes the band an attractive organization. Any college student capable of reading music of average difficulty is encouraged to join and enjoy a good musical time.

CHORAL ORGANIZATIONS

The College Choir is a highly selective ensemble of seventy-five members, balanced for four and eight-part singing. Representative works of the great masters of choral composition, both sacred and secular, are studied and performed. Some time is given each year to contemporary music and the madrigal. Membership in the choir depends upon strict compliance with the rules and standards of the organization.

The College Male Chorus and the Treble Clef Club are choral organizations for men and women respectively. These groups are a pleasant musical diversion, performing sacred and secular music in all voice combinations. A major choral work for men's or women's voices is performed each year in addition to regular program material.

PIANOFORTE

The prerequisite for the four-year piano course is the ability to play scales, arpeggios, octaves, and chords in any key at a moderate tempo, and with correct fingering. In addition, each candidate will be expected to perform, to the satisfaction of the music faculty, compositions comparable in difficulty and style to the following works:

Bach, an Invention or Prelude

Chopin, a Waltz

Debussy, the Clair de Lune

Rachmaninoff, the Barcarolle or Serenade

The course will stress as a basic requirement an adequate

technique with special attention to the individual capacities and needs. Primary emphasis will be placed on tone production, dynamic range, nuance, pedaling, tone color, and interpretation. A junior and senior recital are required of all candidates for graduation. In both cases a program of representative compositions must be performed.

The major objective of the course is to develop a refined and discriminating musicianship through the medium of the piano. In pursuance of this broad goal it is expected that the student play representative works of the Classic, Romantic, and Modern literature. The minimum requirements are:

- 3 sonatas
- 1 concerto
- 5 preludes and fugues of Bach
- 3 etudes of Chopin, and other compositions of the standard repertoire

PIPE ORGAN

The foundation teaching in this department is based on trios and pedal studies and Bach. Much attention is given to clarity and precision, voice progression, various types of legato and staccato, choice of registration, artistic phrasing, and ease in the handling of the modern organ.

The student's thorough technical grounding, together with the very best in organ literature, prepares him for church work with its attendant recitals.

VIOLIN

The main objects sought after in this department are: technical and artistic development, a discriminating ear, a reliable musical memory, a well-balanced repertoire, and intelligent cooperation and advancement in all forms of orchestral and ensemble work offered. A public recital from memory is required of all majors in music, and a student recital may be listed at the discretion of the head of the department. Ample opportunity is afforded students of becoming acquainted with chamber music repertoire through participating in quartets, trios, duets, and other ensemble groups.

The study of the instrument itself necessitates a graded

course of standard work and this outline will be adhered to throughout the period of study.

The primary objective of the course is the development of adequate technical resources, thorough command of the instrument and a knowledge and understanding of the broad principles of interpretation and artistic performance.

During the four-year course the student will have completed studies by Kayser, Dont, Fiorillo, Hrimaly, Seveik, Kreutzer, and Rode; sonatas by Handel, Bach, Mozart, Beethoven, Schubert and Brahms and concertos by Vivaldi, Tartini, Bach, Mozart, Mendelssohn and standard solo pieces suitable for church and concert programs.

VIOLINCELLO

One of the most beautiful orchestral instruments is the violincello. Because of its beautiful tone, it is rapidly becoming a popular solo instrument. Private lessons are available to those who wish to train for orchestral or solo performance. The Dotzauer method and studies augmented by Gieze, Lee, Dupart, Grutzmacher and Klengel etudes constitute the training material for a four-year course. A concert repertoire will be selected from light classics, Beethoven, Brahms, and Romberg sonatas, Bach suites, Boellman variations, and Gollerman, Saint-Saen, Haydn, Dvorak, Schumann Popper and Romberg concertos.

A major student will be required to perform one concerto with orchestral accompaniment and a cello recital with an assistant selected by the music faculty.

THE DOUBLE BASS

The need of double bass musicians for orchestra is apparent. Students with average piano background can soon acquire sufficient technique for orchestral playing. The Flockton double bass method and the scale studies by Shmuklovsky constitutes the chief training material. Light classics arranged for this instrument are studied for solo performance.

VOICE

In this department a normal, natural development of the given powers of each student is undertaken, in place of set methods which frequently do not apply to a particular case. In other words, students are taught singing, not methods, and by singing is meant the all-convincing ease and beauty implied

by the term *bel canto*. Correct diction in English, French, German, and Italian is required of those majoring in voice.

Development of personality, ease of manner, poise, and an engaging platform presence for public performance is stressed. Those who are especially interested in evangelistic singing will be fully prepared for this type of work.

Prerequisites for a major in voice: Possession of a fairly good voice, ability to read and sing a simple song at sight and on pitch, a knowledge of the piano keyboard, ability to sing a folk song, a patriotic song or a hymn from memory to demonstrate voice, instinctive interpretive ability and sense of rhythm.

The requirements for a music major in voice are:

FRESHMAN YEAR: Classification of the voice, procedures leading to correct tone production, and simple classics and contemporary songs to assist tone production through articulation and interpretation. Myer's "The Vocal Instructor" and "56 Songs" (Pub. by G. Schirmer, Inc.) are used. Study is given to the form and content of representative song material and to the easier arias and recitatives from the major oratorios.

SOPHOMORE YEAR: Continuation of technical studies for development of the individual qualities of the voice. Five additional songs from a selected list. Three Italian songs from "Anthology of Italian Song" edited by Parisotti; two French songs by Debussy, Faure or Massenet, one recitative, and one aria from the oratorios of Handel, Lully, or Monteverdi; and one recitative and aria from "St. Paul," "Messiah," "Elijah," "The Creation," or "The Prodigal Son."

JUNIOR YEAR: Seven German songs from a list by Brahms, Schubert, Schumann, R. Strauss, Beethoven, Wolff and Grieg; six songs in English from a list by Charles, Rachmaninoff, Tschaikovsky, Handel, Campbell-Tipton, Malotte, and Lully; three Italian songs from a list by Donaudy, Giordani, Sarti, and Pergolesi; two additional French songs from a list by Fourdrain, Faure, and Chaminade.

SENIOR YEAR: Continuation of French, German, and Italian diction is required. Three additional German songs from a list by Strauss, Schumann, Schubert, and Brahms; three additional Italian songs from a list by Leoncavallo, Verdi, Rossini, Sarti, Donaudy, etc.; four English songs from a list by Campbell-Tipton, Hageman, Charles, Malotte, Homer, Mana-Zucca, etc.; two Russian songs from a list by Rachmaninoff, Moussorsky, Gretchaninoff or Rimsky-Korsakoff; one recitative and aria by Bach and one aria in English or Italian suited to the individual voice. Preparation of program for graduation recital, appearance as soloist with Oratorio Chorus and with the College orchestra upon recommendation of the Conservatory faculty.

Students of voice may sing in public *only* with the permission of their instructor.

Voice students and all members of the College Choir

and of the choral clubs are *required* to sing with the Oratorio society during at least one quarter of the school year.

NURSING EDUCATION

Mr. Hanson, Miss Young

21-22-23. *History of Nursing* A survey course in nursing history, following the trends which have led to the present-day developments based on world history, denominational history, and the status of women down through the ages. Stress is laid upon the present trends in nursing history. Two credits; autumn, winter, spring; T. Th., 11:25.

31-32. *Nursing Arts I.* During the preclinical period the student is given a thorough course in the principles of nursing, including hospital housekeeping, the admission and general nursing care of the patient, observation and recording of the patient's condition and elementary nursing treatments. In all of these classes emphasis is placed on the patient and the attitude of the student nurse toward the patient. Method and Nursing Care Study are given during the last part of the preclinical period. After sufficient class room practice, the student is given opportunity to put her knowledge into use in the hospital wards, under close supervision. Four credits; autumn, winter; time arranged.

53. *Elementary Pharmacology.* This course constitutes a review of the arithmetic procedures pertaining to fractions, percentages, and decimals. The course is designed to acquaint the student with the apothecaries' and metric scales and symbols. Definitions of terms pertaining to *Materia Medica*. Laboratory practice is given in making up various doses and solutions of specified strength. Lectures, quizzes, and recitations. One credit; spring; M., 2:00.

62-63. *Nursing Arts II.* Each student is assigned to ward practice during the preclinical period. She is given an opportunity to carry out procedures as taught and practiced in the classroom under the supervision of the ward instructor. Four credits; winter, spring; time arranged.

151. *Introduction to Nursing Education.* A course which is designed to give the student a broad overview of nursing education as it has developed from the past to the present time. Three credits; autumn; M. W. F., 7:45.

152. *Teaching of Nursing Arts.* Methods of teaching nursing arts to students. Selection and organization of teaching material. Emphasis placed upon integration of classroom and ward teaching. Three credits; winter; M. W. F., 7:45.

153. *Curriculum in Schools of Nursing.* A course dealing with the in the curriculum is considered. Three credits; spring; M. W. F., 7:45.

161. *Ward Teaching and Management.* Principles, procedures and problems of organization; methods for carrying out an effective clinical teaching program in a school of nursing. Three credits; autumn; M. W. F., 8:40.

162. *Supervision in Schools of Nursing.* The principles underlying effective supervision. The problems of supervision and methods of supervision in the clinical field in a nursing school. Prerequisite: Nursing Education 152. Three credits; winter; M. W. F., 8:40.

163. *Organization and Administration of Schools of Nursing.* This

course includes a study of the fundamental principles which underlie the organization and administration of schools of nursing with special reference to selection of students, nursing school budget, faculty, records, and educational policies. Three credits; spring; M. W. F., 8:30.

173. *Trends in Nursing.* Readings and discussions of present conditions and problems in the field of nursing. Three credits; spring; M. W. F., 11:25.

PHYSICS

Mr. Kretschmar, Mr. Quade

Major students are required to take courses 101-102, 102A, 104, 104A, 105-106, 105A, 107-108, 108A, 109, 109A, 151-153, and courses 1, 2, 3 and 51-53 in mathematics.

51, 52, 53. *General Physics.* An introductory course in mechanics and heat, wave motion, sound, and light, electricity and modern physics. Demonstrations, lectures, problems, and laboratory work. Basic mathematical principles are emphasized. The laboratory is integrated closely with the class work by means of a demonstration type of laboratory in which most of the fundamental physical principles are illustrated. Prerequisite: five credits of college mathematics which must include the principles of trigonometry. Four credits; autumn, winter, spring; M. W. F., 8:40. Laboratory on Tuesday afternoon.

83. *Surveying.* A course in plane surveying which will include the use and care of instruments, methods of leveling, and land surveying, determination of the meridian and latitude and some work in mapping. About one-half the time will be spent in practical field work. Prerequisite: Trigonometry. Four credits; spring; T. Th., 10:30. Field work, Sunday, 1:00-4:00; Tuesday, 2:00-5:30.

*101-102. *Electricity and Magnetism.* A course in general principles and theory of electricity and its applications, with special reference to the needs of advanced physics students. Prerequisites: Math. 51, Physics 51-52, 51A-52A-53A. Five credits; autumn; M. W. F., 11:25.

*101A. *Electrical Measurements.* A laboratory course to accompany course 101-102. Two credits; autumn.

104. *Heat.* A course in the principles of temperature and heat measurement, Kinetic theory, change of state, and thermodynamics. Three credits; autumn; M. W. F., 11:25.

104A. *Heat Laboratory.* A laboratory course to accompany Course 104. Two credits; autumn; M. W., 2:00.

105, 106. *Physical Optics.* An introduction to the study of light and optical phenomena. Reflection, refraction, dispersion, and interference are taken up. Polarization and spectra are studied. The electro-magnetic theory is studied in some detail and the quantum theory of radiation is considered briefly. Three credits; winter, spring; M. W. F., 11:25.

105A. *Optics Laboratory.* A laboratory course to accompany Course 105. Two credits; winter; M.-W., 2:00.

*107-108. *Atomic Physics.* A course designed to acquaint the student with present-day developments in the rapidly expanding field of modern

*Not offered in 1946-1947.

physics. Atomic structure is studied in detail from the viewpoint of radioactive and X-ray considerations. Atomic models, the Bohr theory, and the contributions of spectroscopy are studied. Five credits; spring; M. W. F., 10:30.

*108A. *Atomic Physics Laboratory.* A laboratory course in which some of the classical experiments are performed. Designed particularly to give the student a little background in modern physics. Will cover experiments similar to the outline in *Electron Physics*, by Hoag. Prerequisite: Physics 101-102 and 101A. Two credits; spring.

*109. *Electronics.* The principles and applications of electronic devices, such as triode vacuum tubes and photo-electric cells will be taken up in detail. Physics 101-102, and 101A or their equivalent is prerequisite. Five credits; winter; M. W. F., 10:30.

*109A. *Electronics Laboratory.* A laboratory course designed to accompany Course 109. Radio frequency measurements and experimental work with oscillators, rectifiers, amplifiers, and electronic devices. Two credits, winter.

111, 112, 113. *Practice Teaching in Physics.* The student takes charge of one laboratory section in General Physics. Student should obtain instructor's approval before registering. One credit; autumn, winter, spring; time arranged.

151-152-153. *Mechanics.* An elemental mathematical course covering the general principles of force, motion, statics of particles and rigid bodies, work and energy, equations of motion, central forces, motion of particles and rigid bodies. In the latter part of the course, generalized coordinates and the Lagrangian equations will be considered briefly. Two credits; autumn, winter, spring; T. Th., 11:25.

PHYSICAL EDUCATION

Mr. Winter

The aim of the Physical Education department is to develop the physical well being of the individual by providing activities which stimulate the habit of regular exercise, develop a reasonable skill and interest in activities which may be enjoyed after graduation; thereby equipping the individual with the methods of keeping his body physically fit throughout life.

All students using the gymnasium must wear gymnasium shoes and suits. Suits purchaseable at the time the student enters the class.

Because of the amount of supervision necessary for conducting the work of this department, a double charge is made for all credit in physical education.

*Not offered in 1946-1947.

1, 2, 3. *Freshman Physical Education.* Men—calisthenics, simple drills, games and contests—some apparatus work, ability tests, health lectures. One-half credit; autumn, winter, spring; M. W., 10:30-1:00.

4, 5, 6. *Freshman Physical Education.* Same as course 1, 2, 3. Required of all women. T. Th., 8:40, 9:35, 10:30.

21-22-23. *Medical Cadet Corps Basic and Technical Training.* Required of all men. While accorded non-combatant status, Seventh-day Adventists believe in serving their country in any capacity which does not include the active bearing of arms. This course is intended to prepare young men to render acceptable service to their country along non-combatant lines. Principles of first aid; instruction in the care of the wounded; personal and camp hygiene; close order, physical, and litter drill. One and one-half credits; autumn, winter, spring. Th. 1:00-5:00. (Note: This course satisfies the physical education requirement for men.

51, 52, 53. *Sophomore Physical Education.* Men—continuation of Freshman Physical Education. One-half credit; autumn, winter, spring; M. W., 10:30, 2:00.

54, 55, 56. *Sophomore Physical Education.* Women—continuation of Freshman Physical Education. One-half credit; autumn, winter, spring; T. Th., 8:40, 9:35.

61. *Beginning Swimming.* Adjustment to water, buoyancy, coordination of arms and legs and other fundamentals of swimming. One credit; 3 hours laboratory per week; autumn; time arranged.

62. *Swimming.* Fundamental strokes, treading, floating, underwater swimming, plain diving. One credit; 3 hours laboratory per week; winter; time arranged.

63. *Life Saving and Aquatics.* Skills and teaching technique of life saving and water safety. Two credits. 6 hours laboratory per week; spring; time arranged.

64. *Tumbling.* Development of balance and agility by individual and group tumbling. One credit; 3 hours per week; autumn; time arranged.

65. *Tumbling and Apparatus.* Hand balancing, tumbling, pyramids, apparatus work. One credit; 3 hours laboratory per week; winter; time arranged.

*66. *Advanced Tumbling and Apparatus.* Continuation of above. One credit; 3 hours laboratory per week; spring; time arranged.

71, 72, 73. *Medical Cadet Corps Advanced Course.* Men in this class act as the non-commissioned officers of the beginning class. Instruction in the art of leadership, commanding, and administration. Prerequisite: Medical Cadet Corps 21-22-23 and 61-62-63. Physical Education 51, 52, 53 advised; and permission of the instructor. One-half credit; autumn, winter, spring; time to be arranged.

77, 78, 79. *Seasonal Recreation.* One credit, 3 hours laboratory per week. Autumn quarter—games such as volley ball, soccer, touch football. Sportsmanship and team coordination will be emphasized. Winter quarter—basketball and other indoor games. Spring quarter—soft ball, baseball, track.

81, 82, 83. *Body Development and Corrective Exercises.* Symmetrical development of body, weight lifting, barbell and dumbbell exercises. Some hand balancing. Individual work with instructor. One credit, 3 hours

*Not offered in 1946-1947.

laboratory per week; autumn, winter, spring; time arranged.

*86 *Archery*. One-half credit; spring; M. W. F., 7:45, 8:40; T. Th., 7:45, 8:40.

91, 92, 93. *Problems in Teaching Elementary Physical Education*. Study given to the Physical Education program of the elementary grades. Co-ordination of Physical Education and Junior Progressive classwork. Actual experience with Juniors in form of hiking, camp craft, nature study, etc. One credit; autumn, winter, spring; T. 3:00.

101, 102, 103. *Administration of Secondary Physical Education*. Study of problems in schedules, organization, group activities and testing needed on the secondary level. Two credits. Two classes per week with laboratory work in the form of actual supervision of academy physical education classes. Autumn, winter, spring; time arranged.

POLITICAL SCIENCE

Mr. Westermeyer

51. *American Government*. A study of the origin and establishment of our national government; its executive, legislative, and judicial functions of a brief consideration as outlined in the constitution and as developed to the present; also state and municipal governments. Three credits; autumn; M. W. F., 10:30.

*101. *Comparative European Governments*. A study of the political developments of the major European states, with emphasis placed on contemporary problems. Three credits; winter. Prerequisite: History 1-2-3.

151. *World Politics*. A study of the political objectives of imperialistic nations, the clash of modern ideologies, the position of the Vatican in world affairs, the relation between the League of Nations and the United Nations organization, with emphasis on the emergence of the United States as a world power. Three credits; spring; M. W. F., 10:30.

*Not offered in 1946-1947.

Non-Departmental Offerings

4. *Freshman Orientation.* A course designed to help the incoming freshman evaluate himself, develop adequate methods of study, improve his reading habits, and explore his vocational possibilities. Two credits; autumn; T. Th., 7:45.

8. *Survey of Physical Science.* This course is designed to furnish a brief outline of the fields of Chemistry, Physics, Earth and Astral sciences. Does not count toward a major or minor. Four credits; winter; M. W. F., 10:30. Extra hour arranged.

14, 15, 16. *Health Principles.* A study of the healthy, wholesome personality including the underlying principles governing the harmonious development of the human body. It includes our denominational health principles and stresses both personal and community health. Three credits; autumn; Sec. A, M. W. F., 11:25; Sec. B, M. W. F., 1:00; winter, Sec. C, M. W. F., 11:25; spring, Sec. D, M. W. F., 11:25; Sec. E, M. W. F., 1:00.

*81. *Denominational Accounting.* A beginning course in accounting principles with special attention to denominational offers; balance sheets; profit and loss statements, and comparative statements; financial stewardship in church business. This course is open to theology major. Three credits; autumn; M. W. F., 8:40.

MALAY

Mr. Hendershot, Mrs. Hendershot

51-52-53. *Malay I.* A thorough foundation in the grammar and idiom of the language as spoken in British Malaya, Borneo, and the Dutch East Indies. The first year provides a basic vocabulary of at least a thousand words and phrases in the English Romanized form of the language. Some time is devoted to a study of Malay customs and traditions. Conversation drill is emphasized with the object of developing fluency in speaking and writing. Biblical language is introduced through the medium of brief selections from the gospels. Four credits; autumn, winter, spring. M.-F., 7:45.

*101-102-103. *Malay II.* A review of the fundamental principles of Malay grammar. Drills in composition, idiom, letter-writing and Malay proverbs. Considerable emphasis is placed on Biblical language as exemplified in the gospels and the book of Revelation. Both the British and the Dutch Romanizations are utilized to make possible an appreciation of the two types. Reports to the class on assigned topics and brief Bible studies in the Malay language are required. Four credits; autumn, winter, spring; M.-F., 11:25.

*151-152-153. *Malay III.* The student is given the opportunity to acquaint himself with the terminology of both the Old and the New Testament. Practice in giving sermons and Bible Readings will be offered. The fundamental principles of the Dutch language, spoken in the Dutch East Indies, are taught including a speaking knowledge of said language. Since the Arabic characters are in general use throughout Southern Asia and Northern Africa, the student is also taught to read the Malay language in said characters. The usual objections made by Mohammedans against the Christian religion, are thoroughly studied. Two credits; autumn, winter, spring; T. Th., arranged.

*Not offered in 1946-1947.

Department of Vocational Instruction

AUTO MECHANICS

Mr. Cowin

1-2-3. *Auto Mechanics.* A practical study of the modern automobile with slide film lectures on "How It Works." A "greaseless" course designed to acquaint the student with the units of the automobile with actual demonstrations on a car chassis. Will aid greatly in selection and operation of an automobile. Open to ladies. No laboratory required. One credit; autumn, winter, spring; time arranged.

51-52-53. *Advanced Auto Mechanics.* Practical experience in overhauling and servicing automobiles. Students taking this course will receive a technical knowledge as well as practical experience of the details of modern automobile engines, transmission and differential systems, methods of control, principles of bearing design, and ignition systems. Practical experience in overhauling and repairing. Prerequisites: Course 1-2-3 or equivalent; student must have an approximate \$25.00 set of hand tools. Class recitation one hour per week. Six hours laboratory per week. Three credits; autumn, winter, spring; time arranged.

BAKING

Mr. Gibbon

1-2-3. A practical course in baking taking up the study of flours and the various ingredients used in the manufacture of breads and rolls, the scientific manufacture of bread, and essential factors influencing bread quality. Sixty hours laboratory per quarter gives practice in baking in actual commercial production. Class recitation one hour per week. Three credits; autumn, winter, spring.

51, 52, 53. Special attention given to study of baking formulas, problems of bakery management, and cost control. Sixty hours laboratory per quarter with practice in cake, pie, cookie, and sweet goods production. Three credits; autumn, winter, spring.

GENERAL AGRICULTURE

Mr. Losey

1-2-3. *General Agriculture.* A survey course covering in a general way the various phases of plant production and animal husbandry. Special attention will be given to gardening, dairying, and poultry husbandry. Autumn, Dairying; winter, Poultry Husbandry; spring, Gardening. One hour class work and two hours laboratory. Two credits; autumn, winter, spring.

MANUAL ARTS

Mr. Walcker, Mr. Sargeant

A major in this department consists of forty-five credits in vocational work, twenty-one of which must be upper division.

The minor consists of twenty-seven credits, nine of which must be upper division work. The minor study should be

appropriate and related to the field, as mathematics, business administration, physics, or education.

The specific requirements for graduation as listed on pages 40 and 41 are to be included in the electives.

1-2-3. *Technical Drawing.* Descriptive geometry, lettering, problems, working drawings, pictorial drawing. The student is permitted to specialize in house planning, furniture design, or machine drawing. Emphasis is placed on the technique of making both pencil and ink tracings for blue-printing. Three credits; autumn, winter, spring; T. Th. afternoons. By special arrangement students are permitted to take a limited course of two hours credit each quarter.

11, 12, 13. *Wood Turning.* Spindle, face plate, chuck turning, and metal spinning. Exercises, assigned projects, and original designs. Wood finishing. Two credits; autumn, winter, spring; time to be arranged.

51-52-53. *Carpentry.* This class works on a house or other building during the school year. Each student is given the opportunity to become familiar with the details of house construction through actual practice. Text-book and lecture work precedes each of the building operations that the student may attack the work intelligently. During the coldest part of the winter, the class makes intensive study of house plans; wide reading and original drawing are required. Typical plans are critically examined to discover what features are desirable and what might be improved. Three credits; autumn, winter, spring; M. W. F., 1:00-5:15.

61-62-63. *Cabinet Making.* Special stress is laid on good construction, good design, and exactness in all work. Care and use of tools, sharpening tools, original designs, glue and its uses, properties of wood, finishing, use and operation of machinery. End tables, cedar chests, flower stands, cabinets, desks, and other approved projects may be made during the school year. Two credits; autumn, winter, spring. Recitation and laboratory work.

91, 92, 93. *Machine Shop Practice.* A course in practical machine shop practice which will include textbook work and assigned projects in metal working on the lathe, shaper, and milling machine. Some projects in forging and welding will be done in connection with the course, with the intent of providing a general experience in repairing and manufacturing processes. Two or three credits; autumn, winter, spring; Sec. A, M. W., 1:00-5:00; Sec. B, T. Th., 1:00-5:00.

101, 102, 103. *Advanced Cabinet Making.* Machine woodworking, furniture design, saw filing, installation and maintenance of woodworking machinery. A high degree of excellence is required in the furniture made by the members of this class. Prerequisite: Courses 61-62-63. Two credits; autumn, winter, spring.

121, 122, 123. *Advanced Technical Drawing.* Completed drawings, working drawings, presentation sketches, freehand sketching, details, opportunity to specialize in the line of the student's interest is given in the projects of this course. Two credits; autumn, winter, spring.

131. *Wood Finishing.* Stains, fillers, paints, enamels, varnishes, kalsomine, with their application and use. Selection and care of brushes and equipment. Particular study of color combinations and pleasing tone. Three credits; autumn.

132. *Design.* Period styles of furniture, decorative arts, spot and line composition, functional design, proportion. Original designs aimed at combining usefulness and structural excellence with beauty and grace of form. Prerequisite: Courses 1-2-3. Three credits; winter.

133. *House Planning.* A course in house planning, giving special attention to floor plans, elevations, building details, sketches, complete sets of plans. Three credits; spring.

151. *Building Construction.* Framed structures in wood and steel. Posts, beams, roof trusses, mill construction, structural timber. Prerequisite: Courses 1-2-3 and 51-52-53. Three credits; autumn.

152. *Reinforced Concrete Design.* Forms, mixtures, posts, beams, slabs, T-beams, surfaces, formulae, and working stresses. Prerequisite: Courses 51-52-53. Three credits; winter.

153. *Building Materials and Methods.* Contracts, specifications, plans, estimating, foremanship, superintendence, advantages and disadvantages of the different building materials, mechanical equipment of building, structural equipment, lighting, heating, and ventilation, acoustics. Prerequisite: Courses 51-52-53. Three credits; spring.

161, 162, 163. *Building Design.* This is a laboratory course in the design of buildings, giving particular attention to the planning of churches, schools, and other buildings, required by our evangelistic, educational, and mission work. Original designs, well thought out and completely drawn are required. These plans are expected to be of such quality that good buildings can be built from them without major changes. Prerequisite: Courses 1-2-3 and 121, 122, 123. Three credits; autumn, winter, spring.

171, 172, 173. *History of Architecture.* A brief survey of the history of architecture, Babylon, and Egypt, Greece and Rome, the orders, Gothic architecture, the Renaissance, the origin and development of present day buildings. Prerequisite; junior standing. Two credits; autumn, winter, spring.

PRINTING

Mr. Collins

A limited number of students are offered the opportunity of studying the art of printing in the College printing office. The department is well equipped with modern machinery, linotypes, cylinder, automatic cylinder, and platen presses. This catalog is a product of the department, and the *North Pacific Union Gleaner*, *The Mountain Ash*, and *The Collegian* are printed here, besides a large amount of first-class

commercial work, which gives the student training in the various lines of the printing industry.

In the department opportunity is given (to the student who has shown his interest in printing, taken at least two years and has acquired enough skill in the trade) at the discretion of the one in charge, to put in an amount of time equal to his full industrial and domestic work or more, for which excess time he will receive remuneration according to the value of his labor.

Printing 1-2-3 and 51-52-53 are required of students minoring in journalism.

1-2-3. *Printing I.* General principles; measurements, straight and display composition. The imposition and locking of forms, and platen press work. Two credits; autumn, winter, spring.

51-52-53. *Printing II.* Further study of job composition, drafting, platen and cylinder press work. Imposition of forms is given. Five hours of actual shop practice and one hour of textbook study is required. The student is expected to develop speed, accuracy, and independent thinking in shop practice to the point of acceptable commercial efficiency. He may specialize in composition or in press work. Two credits; autumn, winter, spring.

101-102-103. *Printing III. Linotype composition.* Keyboard practice, machine construction; care of matrix; care of metal; study of fundamental principles of operation. Two credits; autumn, winter, spring.

PART IX

The School of Theology

Organization

The School of Theology is incorporated under the administration of the College, and the members of the School are subject to all the general regulations of the College. The academic year, periods of examinations, etc., run concurrently with those of the College, and all its facilities for study and manual work are at the disposal of the School.

Admission

The purpose of theological training requires that a careful selection of candidates for admittance be made not only on the basis of scholastic accomplishments, but also on the basis of spiritual qualities, social sympathies, and cultural refinement.

Application for admittance must be made to the Dean.

The minimum requirements for college entrance must be completed before admission and a certificate or transcript of record from an accredited institution must be submitted.

Courses of Study

Students who are not able to present two units of modern language from a secondary school will be required to make up this deficiency by taking fifteen quarter credit hours of modern language in college in addition to the regular Theology Course.

The curriculum of the School of Theology provides two somewhat different courses of study. The first requires 210 quarter credit hours and leads to the degree of Bachelor of Arts in Religion; the second is a three-year course for Bible workers, which may be supplemented by arrangement, if desired, to lead to a Bachelor of Arts degree. Both courses are prescribed, the major field of study being outlined in the course. A student taking the first course, in addition to the prescribed major, must present a regular minor in one of the fields of study as outlined on page 39.

At the discretion of the Dean competent students may supplement their theological schedules with work from the College. For students who so desire, certain supplementary courses in education may be worked into the present schedule as electives, for teaching certification.

Requirements for Theology Degree

The student is expected to do work amounting to 16 credit hours per quarter. Any student taking less than 10 credits will not be considered a member of the School of Theology. Students must have obtained at least a C average before being admitted to senior standing. If at any time during his course the student's grades fall as low as .50 grade average, he will be placed on probation. If during the quarter following he does not show improvement, he will be asked to drop his work in the School of Theology.

For graduation 210 quarter credit hours are required. All work in Bible and Homiletics must be of at least C grade and a student majoring in Biblical languages must also receive C grade in the Biblical language courses.

*Outline of Theology Course***FIRST YEAR**

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Life and Teachings	2	Life and Teachings	2	Life and Teachings	2
Greek I	4	Greek I	4	Greek I	4
English Composition	3	English Composition	3	English Composition	3
History (European Survey or U. S.)	3	History European Survey or U. S.)	3	History (European Survey or U. S.)	3
Basic Science	4	Basic Science	4	Basic Science	4
Medical Cadet	1½	Medical Cadet	1½	Medical Cadet	1½

SECOND YEAR

Fundamentals of Christian Belief	2	Fundamentals of Christian Belief	2	Fundamentals of Christian Belief	2
Greek II	4	Greek II	4	Greek II	4
Denom. Accounting	3	Denom. Accounting	3	Denom. Accounting	3
Vocation	3	Vocation	3	Health Principles	3
Speech I	2	Speech I	2	Speech I	2
Journalism	2	Journalism	2	Journalism	2
Music	1	Music	1	Music	1

THIRD YEAR

Daniel and Revelation	2	Daniel and Revelation	2	Daniel and Revelation	2
Hebrew Prophets	3	Hebrew Prophets	3	Hebrew Prophets	3
Church History	3	Church History	3	Church History	3
Homiletics and Field Seminar I	2	Homiletics and Field Seminar I	2	Homiletics and Field Seminar I	2
Speech II (See Speech Electives)	2	Speech II (see Speech Electives)	2	Speech II (see Speech Electives)	2
Lit. Monuments of Western Culture	2	Lit. Monuments of Western Culture	2	Lit. Monuments of Western Culture	2
Elective	2	Elective	2	Elective	2

FOURTH YEAR

Systematic Theology	3	Systematic Theology	3	Systematic Theology	3
New Test. Epistles	2	New Test. Epistles	2	New Test. Epistles	2
Homiletics and		Homiletics and		Homiletics and	
Field Seminar II	3	Field Seminar II	3	Field Seminar II	3
History (see History		History (see History		History (see History	
Electives)	2	Electives)	2	Electives)	2
World Religions	2	Foreign Missions	2	Foreign Missions	
Elective	4	Elective	4	Elective	4

SUMMER SCHOOL

Education	9
Elective	5

One summer session in addition to the four-year course will generally be necessary to complete the course. It is recommended that this be arranged for at the close of the sophomore year.

ELECTIVE COURSES

Bible	Mission Languages
Advanced Teachings of Jesus	Chinese I
Archaeology and the Bible	Chinese II
Ancient Empires and Israel	Malay I
	Malay II
Biblical Language	
Pauline Epistles	
Hebrew I	Education
Hebrew II	Students desiring certification may elect professional educational subjects as listed on page 46.
History	
Renaissance and Reformation	
Religion in the United States	
Modern Religious Trends	
Methods	
Research Methods	Speech
Bible Teaching Methods	Persuasive Speaking
Salesmanship	Public Lecturing
	Radio Production
	Parliamentary Procedure
	General
	Music
	Art

Notes

1. In Education, to fulfill requirements, a sequence such as General Psychology, Educational Psychology, Principles of Education is suggested. Those who wish to add other courses in Education, with a view to teacher certification, are referred to requirements for this printed in the College Bulletin.
2. In music in addition to instrumental and vocal training, the courses, Fundamentals of Music, Directing, and Church Music are recommended.
3. Electives are not required subjects in the degree course.
4. Theology students who wish to retain their 4-D rating in the selective draft must carry a scholastic load of not less than 15 credit hours and must be in good and regular standing.

Bible Workers Course

This course is arranged for young women planning to do Bible work as a life calling. On its completion a diploma is awarded. The course of study is so arranged that a fourth year of study may lead to the degree of Bachelor of Arts, by completing one of the majors required for this degree.

Outline of Course for Bible Workers

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Life and Teachings	2	Life and Teachings	2	Life and Teachings	2
English	3	English	3	English	3
History	3	History	3	History	3
Home Economics	3	Home Economics	3	Home Economics	3
Modern or Ancient Language	5	Modern or Ancient Language	5	Modern or Ancient Language	5
Physical Education	½	Physical Education	½	Physical Education	½

SECOND YEAR

Fundamentals of Christian Belief	2	Fundamentals of Christian Belief	2	Fundamentals of Christian Belief	2
Bible Workers' Evangelism	2	Bible Workers' Evangelism	2	Church Polity	2
Education	3	Education	3	Education	3
Speech	2	Speech	2	Speech	2
Science	3.4	Health Principles	3	Science	3.4
Physical Education	½	Physical Education	½	Physical Education	½
*Electives	3	*Electives	3	*Electives	3

THIRD YEAR

Daniel and Revelation	2	Daniel and Revelation	2	Daniel and Revelation	2
Homiletics II	3	Homiletics II	3	Homiletics II	3
Church History	3	Church History	3	Church History	3
Hebrew Prophets or New Test. Epistles	3	Hebrew Prophets or New Test. Epistles	3	Hebrew Prophets or New Test. Epistles	3
New Test. Epistles	2	New Test. Epistles	2	New Test. Epistles	2
*Electives	5	*Electives	5	*Electives	5

*Music, Education, History, Modern Languages, and Ancient Languages are of special value to the Bible worker. Electives from these groups are recommended.

PART X

The Summer Session

The summer session is a regular quarter of the school term. It is especially adapted to the needs of (1) students who desire to shorten the time usually required to complete a college course, (2) students who have found it necessary to take a partial load during the regular school year, but who desire to complete a college course in the usual length of time, (3) students who have been forced by circumstances to miss a quarter of the regular school year, and (4) teachers who desire to take additional courses of professional or general interest.

The summer session is divided into three terms. While most courses have two terminal points and run through the entire summer, some courses, particularly those in the field of Elementary Education, have three terminal points. Students completing requirements for graduation during the summer will receive their degrees or diplomas at the end of the summer session.

Because of the smaller enrollment, it is possible to give personal attention, instruction, and supervision to a greater extent during the summer session.

Further details regarding the session may be obtained in the annual summer session bulletin.

College Enrollment of 1945-1946

Students in College Department	687
Special Students	27
TOTAL	714
Summer School, 1945	147
GRAND TOTAL	861

PART XI

Graduates of 1945

BACHELOR OF THEOLOGY

John A. Anderson
Kenneth Eldon Baker
Zim R. Berntson
Delmar T. Burke
Lynn Ray Callender
Donald Edward Duncan
Harold Eugene Edwards
Lawrence Carson Folkes
Wilford LaVerne Goffar
Edward Wesley Graves
Julius Walter Gunnersen, cum laude
Eugene A. Hamlin
William Earle Hilgert, cum laude
A. Robert Lodahl
Earl K. Mooers
George Rasmussen
Ortis Noble Rogers
Ivan J. Rood
Robert Clayton Skinner
Wilmot Kane Smith
Arthur George Tappen, Jr.

Goro Morikone
Oscar Herman Neumann
Stanton Graham Oberg
Leland Eugene Paddock
Annetta Mae Peterson
Donald Ivan Peterson
Ronald Clarence Reed
Robert William Schultz
Timothy Y. Siaw
Harold Smick
Merritt Wm. Smith
Arthur George Tappen, Jr.
Harold Thomas Unsell
Margaret Lucille Weaver
Florence Marie Worster

BACHELOR OF ARTS IN ELEMENTARY EDUCATION

Edna Louise Dopp
Helen Gladys Hudson
R. Carrol Lyman
Bobbie Carmichael-Montgomery

BACHELOR OF ARTS

21
Kenneth Eldon Baker
Cecil Warren Becker
Alexis Peter Bokovoy
Rosamond F. Bowman
Charlotte Caroline Brant
Wells Carey
Owen Kenneth Davis, cum laude
Iola Devereaux
Farag Fargo
Winifred Weaver-Fargo
Ruby Bankhead-Ferguson
Alice E. Gregg
Eloise June Gregg
Alvina Elnora Gruzensky
Elvin Charles Hedrick
William Earle Hilgert, cum laude
James Irwin Horsley
Thomas Arthur Horsley
Ivar T. Johnson
Marjorie Ethel Johnson
Albert W. Kroll
Harold Warren Lamberton
Glenn Miller

BACHELOR OF SCIENCE

Dorothy Mary Belle Gould
Lois Eileen Graham
James T. Higa
Beatrice K. H. Liu
Ellen McCartney
Vera Mehling
Charlotte Patterson
Alice Evangeline Smith
Evangeline Gladys Voth
Patricia A. West
Helen Margaret Woesner
Mabel Liu Wong
BIBLE INSTRUCTOR'S DIPLOMA
Dorothy May Kuester
Jewell Ilene Tucker

THREE-YEAR PREMEDICAL

Farag Fargo
Willa Hilgert-Hedrick
Donald Arthur Jutzy

PART XII
Time Schedule of Classes

Course No.				Course	BIBLE	Credits	Hour	Days	Laboratory	Room
Autumn	Winter	Spring								
1 -	2 -	3		Bible Survey						
50 each				Sec. A	✓ 2		9:35 ✓	T.Th.		250 280 ✓
				Sec. B	✓ 2		1:00 ✓	T.Th.		250 280 ✓
4 -	5 -	6		Life and Teachings of Jesus						
				Sec. A	✓ 2		8:40 ✓	T.Th.	alcock	120 ✓
60				Sec. B	✓ 2		9:35 ✓	T.Th.	Hendyshet	120 ✓
				Sec. C	✓ 2		10:30 ✓	T.Th.	alcock	120 ✓
216	11	12 -	13	Sec. D	✓ 2	3	1:00 1:00 ✓	T.Th.	M.W.F. - - - - -	120 ✓ 140 ✓ 250 ✓
	51	52	53	Daniel and Revelation	✓ 2		7:45 ✓	T.Th.		
120				Fundamentals of Christian Belief						
				Sec. A	✓ 2		8:40 ✓	T.Th.		280 ✓
30				Sec. B	✓ 2		10:30 ✓	T.Th.		280 ✓
				Sec. C	✓ 2		1:00 ✓	T.Th.		280 340 ✓
74	82	83		Denominational History	3		7:45 ✓	M.W.F.		20- 260 ✓
	91 -	92		Bible Worker's Evangelism	2		9:35	T.Th.		340
20	111	112 -	113	Daniel and Revelation	✓ 2		11:25 ✓	T.Th.		280 250 ✓
	134 -	135	136	Hebrew Prophets	✓ 3		10:30 ✓	M.W.F.		20- 280 ✓
-	141 -	142 -	143	Homiletics and Field Seminar I	✓ 2		✓ 9:35 8:40 ✓	T.Th. M.W.F.		280 300 340
			143	Church Polity	2		9:35 8:40 ✓	T.Th. M.W.F.		280 340 ✓
40	151	World Religions		Archaeology and the Bible	✓ 3		1:00 ✓	M.W.F.		340 120 ✓
	152	"		Bible Manuscripts and Translations	3		1:00 ✓	M.W.F.		340 120
50				World Religions Bible Manus.	✓ 3		1:00 ✓	M.W.F.		340 120
				Systematic Theology	✓ 3		8:40 ✓	M.W.F.		300 120 ✓
61	161	162 -	163	Homiletics and Field Seminar II	✓ 2		10:30 ✓	M.W.F.		120 ✓
	181 -	182	183	New Testament Epistles	✓ 2		8:40 11:20 ✓	T.Th. M.W.		340 280 ✓
110	184	185	186	Adv. Life & Teachings	✓ 2 or 3		11:20	T.Th.		280 ✓
	174	175	176							

Course No.			ART									
Autumn	Winter	Spring	Course	Credits	Hour	Days	Laboratory	Room				
1	2	3	Art	v 1-2	8:40	M.-Th.	200 ✓					
					10:30	M.-Th.	200 ✓					
					1:00-3:00	M.	200 ✓					
					1:00-3:00	W.	200 ✓					
11	12	13	Lettering	v 1/2	9:35 or 11:25	T.Th.	200 ✓					
14 -	15 -	16	History of Art	v 1/2	11:25	W.	200 ✓					
21	22	23	Chalk and Felt Illustrating	v 1/2-1	8:40	M.-Th.	200 ✓					
					10:30	M.-Th.	200 ✓					
					1:00-3:00	M.	200 ✓					
					1:00-3:00	W.	200 ✓					

BIBLICAL LANGUAGES

50	1 -	2 -	3	New Testament Greek I	v 4 v	7:45	M.-F.	340 ✓
30	51 -	52 -	53	New Testament Greek II	v 4 v	11:25	M.-F.	340 ✓
20	h.T. Epis.			v 3 arr		arr		

BIOLOGY

200	{	1 -	2	Elementary Zoology				
				Sec. A	v 4	7:45	M.W.F.	Sec. A 1:30 M. S.H. 112 ✓
				Sec. B	v 4	8:40	M.W.F.	Sec. B 1:30 W. S.H. 112 ✓
				" C	4	11:25	M.W.F.	Sec. C 8:30 S. S.H. 112
								Sec. D 1:30 S. S.H. 112
36		3		Elementary Botany				
70				Sec. A	4	7:45	M.W.F.	Sec. A 1:30 M. S.H. 112
				Sec. B	4	8:40	M.W.F.	Sec. B 1:30 W. S.H. 112
								Sec. C 1:30 Th. S.H. 112
								Sec. D 8:30 S. S.H. 112
								Sec. E 1:30 S. S.H. 112
		4	- 5	Survey of Zoology	v 4	10:30	M.W.F.	1:30 Th. S.H. 112 ✓
			6	Microbiology	3	11:25 8:40	T.Th. arr	Sec. A 1:15 M.W. S.H. 111
								Sec. B 3:30 M.W. S.H. 111
11		11 -	12 -	Anatomy and Physiology	v 3	9:35	T.Th.	8:30 S.H. 112 ✓
21		21 -	22 -	Anatomy and Physiology	v 3/4	7:45	M.W.F.	Sec. A 1:30 T. S.H. 114
51				General Histology	3	11:25	M.	Sec. B 1:30 Th. S.H. 114
								7:45 M.W. S.H. 114

Course No.

		Course	Credits	Hour	Days	Laboratory	Room
	Autumn	Winter	Spring				
34	61	Mammalian Anatomy	✓ 1	Arr.		1:30 S.	S.H. 114 ✓
	113	Vertebrate Embryology	3	8:40	T.Th.	1:30 T.	S.H. 114 "
	117 - 118 - 119	Seminar I	✓ ½	4:00	W.		S.H. 114 ✓
	122	Animal Micrology	3	1:00	M.	Arr.	S.H. 114
	124	Plant Micrology	✓ 3	1:00	M.	Arr.	S.H. 114 ✓
	133	Systematic Entomology	4	11:25	T.Th.	8:00 S.	S.H. 114
	151	Sanitary Bacteriology	4	11:25	T.Th.	1:15 M.	S.H. 114
						1:15 W.	S.H. 114
	153	Ornithology	4	10:30	T.Th.	8:00 S.	S.H. 114
	157 - 158	Genetics	✓ 2	10:30	T.Th.		S.H. 114 ✓
	161 - 162 - 163	Seminar II	✓ ½	4:00	W.		S.H. ✓
	177 - 178	Parasitology	✓ 3	8:40	T.Th.	1:30 T.	S.H. 114 ✓
	193	History of Biology	2	7:45	T.Th.		S.H. 114
	194 - 195	Methods in Research	✓ 1	4:00	M.		S.H. 114 ✓
	197	Methods of Teaching Biology	✓ 3	Arr.			S.H. 114 ✓
	199	Special Problems		Arr.			S.H. 114

BUSINESS ADMINISTRATION AND SECRETARIAL SCIENCE

79	1 - 2 - 3	Principles of Economics	✓ 3	10:30	M.W.F.	300 ✓
	11A - 12A	Special Typing I	✓ 1	10:30	T.Th.	320 ✓
76	14 - 15 - 16	Principles of Accounting	✓ 3	7:45	M.W.F.	300 ✓
80	21 - 22 - 23	Shorthand	3	7:45	M.F.	330 ✓
41	51 - 52 - 53	Advanced Shorthand	✓ 2	10:30	M.W.F.	330 ✓
40	71 - 72 - 73	Intermediate Accounting	✓ 2	8:40	T.Th.	300 ✓
	77 - 78 - 79	Advanced Typing	✓ 1	11:25	M.W.F.	320 ✓
30	114 - 115 - 116	Advanced Dictation	✓ 2	8:40	M.W.F.	330 ✓
	141 - 142	Cost Accounting	✓ 3	11:25	M.W.F.	300 ✓
	143	Budgets	3	11:25	M.W.F.	300
161 - 162 - 163	Business Finance	✓ 2	11:25	T.Th.	300 ✓	
171 - 172 - 173	Advanced Accounting	✓ 2	10:30	T.Th.	300 ✓	
	183	Business Machines	3	Arr.		300
191 - 192	Statistics	✓ 2	9:35	T.Th.	300 ✓	
	193	Problems in Business or Economics	2	Arr.		300

Course No.			Course	Credits	Hour	Days	Laboratory	Room
Autumn	Winter	Spring						
	194		Methods of Teaching Typing in the Secondary Schools	1	Arr.	T.		330
	195		Methods in Teaching Shorthand in the Secondary Schools	1	Arr.	T.		330

CHEMISTRY

60	1 - 2 - 3	General Chemistry	✓ 3	8:40	M.W.F.	S.H. 111 ✓
	1A - 2A - 3A	General Chemistry Laboratory	1		M. p.m.	S.H.
	4 - 5 - 6	Pre-nursing Chemistry	✓ 2	10:30 11:25	M.W.TTh	S.H. 111 ✓
	4A - 5A - 6A	Pre-Nursing Chemistry Laboratory	1		T. p.m.	S.H.
	21 - 22 - 23	Inorganic Chemistry	✓ 3	7:45	M.W.F.	S.H. 111 ✓ 260 ✓
	21A - 22A - 23A	Inorganic Chemistry Laboratory	1		W. p.m.	S.H. 111
	51 - 53	Organic Chemistry for Nurses	✓ 3	11:25	M.W.F.	S.H. 112 ✓ 111
	61 - 62 - 63	Elementary Organic Chemistry	✓ 2	8:40	T.Th.	S.H. 111 ✓
	61A - 62A - 63A	Experimental Organic Chemistry	1		Th. p.m.	S.H.
	101 102 103	Elementary Analysis	✓ 2	10:30	T.Th.	S.H. 111 ✓
	101A 102A 103A	Analytical Laboratory	1		Sunday	S.H.
	113	Biochemistry, for Medical students	3	11:25	M.W.F.	S.H. 112 111
	113A	Biochemistry Laboratory	1		Sunday	S.H.
121	122	Organic Qualitative Analysis	3	Arr.		S.H. ✓
	123	Organic Synthesis	3	Arr.		S.H.
	151 - 152 - 153	Inorganic Synthesis	3	Arr.		S.H.
		Physical Chemistry	3	Arr.		S.H. ✓

EDUCATION

60112	1	59	Introduction to Education	✓ 2	8:40	T.Th.	140	✓
	61		Principles of Education				140	
			Sec. A <i>Autumn</i>	✓ 3	1:00	M.W.F.	140	<i>Col Chap ✓</i>
			Sec. B <i>Spring</i>	3	10:30	M.W.F.	140	"
55111	57	62	General Psychology	✓ 3	10:30	M.W.F.	140	"
			<i>Autumn</i>	3	1:00	M.W.F.	140	"
			<i>Winter</i>				140	"

Course No.			Course	Credits	Hour	Days	Laboratory	Room
Autumn	Winter	Spring						
109	58	63	Educational Psychology Winter Spring	3 3	10:30 1:00	M.W.F.		140 Col. Ch
		66	Principles of Geography	5	7:45	M.W.F.		140
	112		Child Life and Problems	3	10:30	M.W.F.		C.S.
		116	Philosophy of Education	3	11:25	M.W.F.		280 280 150
121		122	Secondary Education Secondary School Administration and Supervision	✓ 3	8:40 7:45	M.W.F.		280 360 260
		133	Psychology of Learning	3	8:40	M.W.F.		360 300
		136	Educational Tests and Measurements	3	10:30 7:45	M.W.F.		280
137			✓ Adolescent Life and Guidance	✓ 3	7:45	M.W.F.		280 ✓

ELEMENTARY TEACHER TRAINING

11	13	Industrial Arts Autumn Spring	✓ 3 2	7:45 7:45	M.W.F.		C.S. ✓
12		Teaching of Art	3	7:45	M.W.F.		C.S. ✕
	52	Principles of Mathematics	3	11:25	M.W.F.		140 120 20
71	72	73	Teaching Techniques	✓ 3	8:40	M.W.F.	140 120 260
81	82	83	Directed Teaching I	✓ 2	Arr.	M.-F.	140 ✓
101	102	103	Directed Teaching II	✓	Arr.		C.S. ✓
104		106	Diagnostic and Remedial Teaching Child Literature	✓ 3 2	7:45 9:35	M.W.F. T.Th.	C.S. ✓ 140 120 20 ✓ 130

SECONDARY TEACHER TRAINING

134	162	Techniques in Secondary Subjects	✓ 2	8:40	T.Th.	250 ✓
		Observation and Directed Teaching	3	3:00-4:00	T.	280
197L		Special Methods in Language and Literature	3	Arr.		250 ✓
197M		Special Methods in Mathematics and Physical Science	3	Arr.		250 ✓
197S		Special Methods in Social Science	3	Arr.		250 ✓

Course No.
Autumn Winter Spring

Course
See G

ENGLISH

Credits
✓ 3
Hour
1:00
Days
M-W-F.

COMPOSITION

2	3	Composition (Freshman)	✓ 3	1:00	M-F
1 -	2 -	Sec. A	✓ 3	7:45 ✓	M.W.F.
		Sec. B	✓ 3	10:30 ✓	M.W.F.
		Sec. C	✓ 3	11:25 ✓	M.W.F.
		Sec. D	✓ 3	11:25 ✓	M.W.F.
		Sec. E	✓ 3	11:25 ✓	M.W.F. M-F
1A -	2 -	Composition (Freshman)	✓ 3	11:25-1:00	
1A -	2 -	Sec. F	✓ 3	11:25-1:00	M-F.
30	4 -	5 -	6	9:35 ✓	T.Th.
51	84 -	85 -	86	10:30	T.Th. Little
	141 -	142 -	143	5:00	T.Th. " "

LITERATURE

51	Literary Elements	✓ 3	7:45	M.W.F. Aplington	250 ✓
64 -	65 -	66	American Literature	✓ 2	8:40
74 -	75 -	76	English Literature	✓ 3	8:40
82	Twentieth Century Literature	3	7:45	M.W.F. Aplington	250 ✓
101	102 -	103	Old and Middle English	✓ 3	8:40
107 -	108 -	109	English Renaissance Literature	3	10:30
124 -	125 -	126	The Victorian Period	✓ 2	9:35
137 -	138 -	139	American Literary Masters	✓ 2	7:45
166	Historical and Modern Grammar and Linguistics	3	2:00	T.Th. " "	210 ✓
184	185 -	186	Dramatic Literature	3	8:40-11:10
197 -	198 -	199	English Pro-seminar	✓ 1	5:00

JOURNALISM

11 -	12 -	13	Printing I	2	Arr.	Print Shop
17 -	18 -	19	Printing II	2	Arr.	Print Shop
84 -	85 -	86	News Writing	✓ 2	10:30	T.Th. 210 ✓
	106 or 106		Public Address Reporting	2	Arr.	Little 210

Course No.	Autumn	Winter	Spring	Course	Credits	Hour	Days	Laboratory	Room
131 - 132 - 133				Copy Desk Editing	✓ 1	Arr.			210 ✓
149				Newspaper Problems	3	Arr.	?		210
SPEECH									
149 {	1	2	3	Essentials of Speech	✓ 2	9:35	T.Th.		150 ✓
				Sec. A	2	✓ 10:30	T.Th.		150 ✓
				Sec. B	✓ 2	8:40	T.Th. TTh	—	150 ✓
				Sec. C Sec D	✓ 2	8:40	—	—	150 ✓
20	101 - 102 - 103			Speech Correction	✓ 3	8:40	M.W.F.		150 ✓
36	111 - 112			Persuasive Speaking	✓ 3	7:45	M.W.F.		150 ✓
15		113		Public Lecturing	✓ 3	7:45	M.W.F.		150
	151 - 152 - 153			Radio Production	✓ 2	✓ 1:00-3:00	M.		150 ✓
				Radio Production Laboratory	✓ 2			4:00 W.	150
				Methods in Teaching Speech	✓ 2	Arr.			150 ✓

				History					
				10:30	1:00	M.W.F.			
4sec {	1	2	3	✓ 3 ✓	11:25	1:00	M.W.F.		350 ✓
	51	52	53	✓ 3 ✓	1:00	11:25	M.W.F.		350 ✓
				✓ 3 ✓	8:40		M.W.F.		350 ✓
				✓ 3 ✓	1:00	11:25	M.W.F.		350 ✓
				✓ 3 ✓	7:45	8:40	M.W.F.		350 360 ✓
				✓ 3 ✓	7:45	8:40	M.W.F.		350 360
	111			History of the Ancient Near East	✓ 3 ✓	7:45	8:40		350 360
		112		Greece and the Hellenistic Age	✓ 3 ✓	7:45	8:40		350 360
			113	Roman Civilization	✓ 3 ✓	7:45	8:40		350 360
	131			The Late Middle Ages	✓ 2 3 ✓	11:25	7:45	T.Th.	350 ✓
		132		The Renaissance	✓ 2 3 ✓	11:25	7:45	T.Th.	350
			133	The Reformation	✓ 2 3 ✓	11:25	7:45	T.Th.	350
	141	142	143	Europe Since 1815	✓ 2 3 ✓	11:25	7:45	T.Th.	350
	151	152	153	Current History	✓ 2 ✓	9:35		T.Th.	350
	161	162	163	History of Russia	✓ 2 ✓	10:30		T.Th.	350 ✓
	174			History of the British Empire	3	8:40		M.W.F.	340
	172			Diplomatic History of the U. S.	3	10:30		M.W.F.	340
	175			History of Canada	3	8:40		M.W.F.	340
			176	History of the Northwest	3 ✓	8:40	10:30	M.W.F.	340
	194	195	196	Independent Study in History	✓ 1-2 ✓	Arr.			350 ✓
	197	198		Seminar in History	✓ 1 ✓	1:00	T.		350 ✓

Course No.

HOME ECONOMICS

Autumn	Winter	Spring	Course	Credits	Hour	Days	Laboratory	Room
67	1	2	Food Study	✓ 3	✓ 9:35	T.Th.	2:00 M. or W.	140 ✓
		3	Food Preparation and Service	3	9:35	T.Th.	2:00 M. or W.	140
41			Applied Design	✓ 3	✓ 8:40	M.W.F.		H.E. ✓
	42	43	Interior Decoration	3	8:40	M.W.F.		H.E. ✓
51	71 -	72 -	Clothing Selection and Construction	✓ 3	1:15-4:00	T.Th.		H.E. ✓
		73	Costume Design	3	10:30	T.Th.		H.E. ✓
		89	Tailoring	✓ 3	1:00-4:00	M.W.		H.E. ✓
		135	Advanced Clothing Construction	3	1:00-4:00	M.W.		H.E. ✓
134	161 -	162	Nutrition	✓ 3	10:30	M.W.F.		H.E. ✓
		163	Experimental Cookery	3	10:30	M.W.F.	Arr.	H.E. ✓
		172 - 173	Institutional Training	2	Arr.			H.E. ✓
177			Advanced Institutional Training	✓ 2	Arr.			H.E. ✓

LIBRARY SCIENCE

31 -	32 -	33	Library Science	3	Arr.	L. ✓
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MATHEMATICS

46	0		Plane Geometry	0	Arr.			
	1		Advanced Algebra	✓ 4	8:40	M.T.W.F.		130 ✓
		2	Trigonometry	4	8:40	M.T.W.F.		130 ✓
		3	Analytic Geometry	4	8:40	M.T.W.F.		130
114	11 -	12 -	13	General Mathematics	✓ 3	1:00	M.W.F.	130 ✓
	51 -	52 -	53	Calculus	✓ 3	10:30	M.W.F.	120
					7:45	M.T.W.F.		
	61		Solid Geometry	✓ 2	10:30	T.Th.		20 ✓
	101		Spherical Trigonometry	✓ 2	10:30	T.Th.		20 ✓
		103	Solid Analytical Geometry	2	10:30	T.Th.		130-140
		123	College Geometry	4	Arr.			130
	131		Theory of Equations	✓ 4	Arr.			130 ✓
	141 -	142	Differential Equations	✓ 4	Arr.			130 ✓
		152 - 153	College Algebra	3	Arr.			130
	171		Selected Topics in Mathematics	✓ 1-2	Arr.			130 ✓

MODERN LANGUAGE

Course No.	Autumn	Winter	Spring	Course	Credits	Hour	Days	Laboratory	Room
59	1	2	3	Elementary German	✓ 5 {	10:30	M.-F.		130 ✓
	51	52	53	German Reading	✓ 3 {	11:25	M.W.F.		130 ✓
	54	55	56	Composition and Conversation	✓ 2	11:25	T.Th.		130 ✓
	101	102	103	Introduction to German Literature	✓ 3	1:00	M.W.F.		360 ✓
	154	155	156	German Directed Reading	1-3	9:35	T.		360 ✓
SPANISH									
81 40	1	2	3	Elementary Spanish	✓ 5 { <i>sec A</i>	10:30	M.-F.		360 ✓
	51	52	53	Spanish Reading	✓ 3 { <i>sec B</i>	11:25	M.W.F.		360 ✓
	54	55	56	Spanish Composition and Conversation	✓ 2	11:25	T.Th.		360 ✓
	104			Spanish Essay	✓ 3	7:45	M.W.F.		360 ✓
		105		Spanish Poetry	3	7:45	M.W.F.		360 ✓
			106	Latin American Literature	3	7:45	M.W.F.		360 ✓
	154	155	156	Spanish Directed Reading	✓ 1-3	Arr.			360 ✓
MUSIC									
2 4 - 5 - 6 7 - 8 - 9 11 - 12 - 13 14 15 16		Fundamentals		2	8:40	T.Th.		M.C.	
		Theory I		✓ 1	3:00	T.Th.		M.C. ✓	
		Harmony I		✓ 2	1:00	T.Th.		M.C. ✓	
		Directing I		✓ 1	1:00	F.		M.C. ✓	
		Elementary Class for Stringed Instruments		✓ 1	Arr.			M.C. ✓	
	17	18	19	Elementary Class for Woodwind Instruments	✓ 1	Arr.		M.C. ✓	
	21	22	23	Elementary Class for Brass Instruments	✓ 1	Arr.		M.C. ✓	
	24	25	26	Percussion Instruments	✓ 1	Arr.		M.C. ✓	
	31	32	33	Instrumental Ensemble of Woodwind or Brass Combinations	✓ 1	Arr.		M.C. ✓	
	51	52	53	Survey of Music Literature	✓ 1	Arr.		M.C. ✓	
	54	55	56	Theory II	✓ 1	4:00	T.Th.	M.C. ✓	
	57	58	59	Band	✓ ½	5:00	T.Th.	M.C. ✓	

~~Acoustics~~
~~Photography~~

Course No.			Course	Credits	Hour	Days	Laboratory	Room
Autumn	Winter	Spring						
104			Heat	✓ 3	11:25	M.W.F.		20 ✓
104A			Heat Laboratory	2			2:00 M.W.	
	105	106	Physical Optics	3	11:25	M.W.F.		20
	105A		Optics Laboratory	2	2:00	M.W.		20
111	112	113	Practice Teaching in Physics	✓ 1	Arr.			20 ✓
151 - 152 - 153			Mechanics	✓ 2	11:25	T.Th.		20 ✓

PHYSICAL EDUCATION

1	2	3	Freshman Physical Education (Men)	✓ $\frac{1}{2}$	10:30 or 8:40 or 10:30	1:00	M.W.	C.H. ✓ ✓
4	5	6	Freshman Physical Ed. (Women)	✓ $\frac{1}{2}$		9:35	T.Th.	C.H. ✓ ✓ ✓
						or 10:30	T.Th.	C.H. ✓
21	22	23	Medical Cadet Corps Basic and Technical Training	✓ $1\frac{1}{2}$		1:00-5:00	Th.	C.H. ✓
51	52	53	Sophomore Physical Education (Men)	✓ $\frac{1}{2}$	10:30 or 8:40 or 10:30	2:00	M.W.	C.H. ✓ ✓
54	55	56	Sophomore Physical Ed. (Women)	✓ $\frac{1}{2}$		9:35	T.Th.	C.H. ✓ ✓
61			Beginning Swimming	✓ 1		Arr.		✓
	62		Swimming	1		Arr.		
		63	Life Saving and Aquatics	2		Arr.		C.H.
64			Tumbling	✓ 1		Arr.		C.H. ✓
	65		Tumbling and Apparatus	1		Arr.		C.H.
71	72	73	Medical Cadet Corps Adv. Course	✓ $\frac{1}{2}$		Arr.		C.H. ✓
77	78	79	Seasonal Recreation	✓ 1		Arr.		C.H. ✓
81	82	83	Body Development and Corrective Exercise	✓ 1		Arr.		C.H. ✓
91	92	93	Problems in Teaching Elementary Physical Education	✓ 1		3:00	T.	C.H. ✓
101	102	103	Administration of Secondary Physical Education	✓ 2		Arr.		C.H. ✓

POLITICAL SCIENCE

51		American Government	✓ 3 ✓	10:30	M.W.F.	340 ✓
	151	World Politics	3 ✓	10:30	M.W.F.	340

Course No.			Course	VOCATIONAL			Days	Laboratory	Room
Autumn	Winter	Spring		Credits	Hour				
AUTO MECHANICS									
1 -	2 -	3	Auto Mechanics	1	Arr.				C.G.
51 -	52 -	53	Advanced Auto Mechanics	3	Arr.				C.G.
BAKING									
1 -	2 -	3	Baking I	3	Arr.				B.
51	52	53	Baking II	3	Arr.				B.
GENERAL AGRICULTURE									
1 -	2 -	3	General Agriculture	2	Arr.				
MANUAL ARTS									
1 -	2 -	3	Technical Drawing	3			T.Th.		M.T.
11	12	13	Wood Turning	2	Arr.				M.T.
51 -	52 -	53	Carpentry	3	1:00-5:15		M.W.F.		M.T. ✓
61 -	62 -	63	Cabinet Making	2	Arr.				M.T.
91	92	93	Machine Shop Practice	✓ 2-3					M.T.
			Sec. A		✓ 1:00-5:00		M.W.		M.T. ✓
			Sec. B		✓ 1:00-5:00		T.Th.		M.T. ✓
101	102	103	Advanced Cabinet Making	2	Arr.				M.T.
121	122	123	Advanced Technical Drawing	2	Arr.				M.T.
131			Wood Finishing	3	Arr.				M.T.
	132		Design	3	Arr.				M.T.
		133	House Planning	3	Arr.				M.T.
151			Building Construction	3	Arr.				M.T.
	152		Reinforced Concrete Design	3	Arr.				M.T.
		153	Building Materials and Methods	3	Arr.				M.T.
161	162	163	Building Design	3	Arr.				M.T.
171	172	173	History of Architecture	2	Arr.				M.T.
PRINTING									
1 -	2 -	3	Printing I	2	Arr.				C.P.
51 -	52 -	53	Printing II	2	Arr.				C.P.
101 -	102 -	103	Printing III	2	Arr.				C.P.

Photography

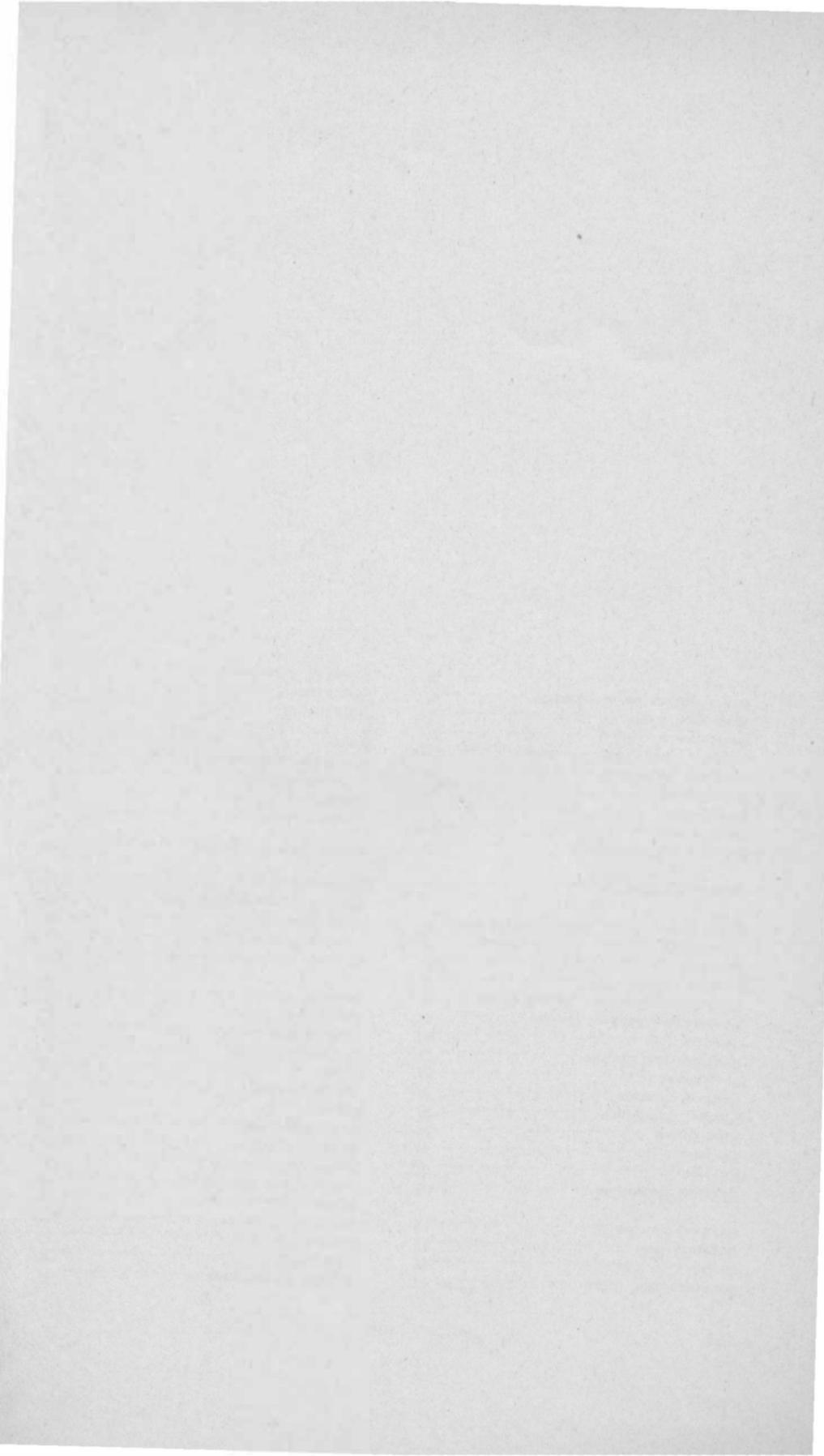
NON-DEPARTMENTAL OFFERINGS

Course No.		NON-DEPARTMENTAL OFFERINGS						
Autumn	Winter	Spring	Course	Credits	Hour	Days	Laboratory	Room
8			Freshman Orientation	2	7:45	T.Th.		
			Survey of Physical Science	4	10:30	M.W.F.		S.H. 112
			Health Principles					
14			Sec. A	✓ 3	11:25	M.W.F.		120 140 ✓
14			Sec. B	✓ 3	1:00	M.W.F.		20 140 ✓
15	15		Sec. C	3	11:25	M.W.F.		120 140 ✓
			Sec. D	3	11:25	M.W.F.		120 140 ✓
	16		Sec. E	3	1:00	M.W.F.		120 140 ✓
	16							
MALAY								
51 - 52 - 53			Malay I	✓ 4	7:45	M.-F.		120 ✓
101 - 102 - 103			Malay II	✓ 4	11:25 7:45	M.-F.T.Th.		120 ✓
152 - 152 - 153			Malay III	2	A.F.			120 ✓

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