

PACIFIC LUTHERAN COLLEGE, TACOMA, WASHINGTON

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Jim Baker*



PLC CATALOG 1959



B U L L E T I N



Pacific Lutheran College Bulletin

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Public Health and Safety
Department

"Build for Character"



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School Calendar

Summer Session

— 1959 —

Registration begins 8:00 a.m.....	Friday, June 12
Classes begin 7:30 a.m.....	Monday, June 15
Independence Day, a holiday.....	Saturday, July 4
First Term ends.....	Wednesday, July 15
Second Term classes begin 7:30 a.m.....	Thursday, July 16
Summer Session closes.....	Friday, August 14

First Semester

— 1959 —

Registration and Freshman Days.....	Monday, Sept. 14--Saturday, Sept. 19
Classes begin 7:50 a.m.....	Monday, September 21
Mid-semester.....	Saturday, November 14
Thanksgiving Recess begins 12:30 p.m.....	Wednesday, November 25
Thanksgiving Recess ends 7:50 a.m.....	Monday, November 30
Christmas Recess begins 3:30 p.m.....	Friday, December 18

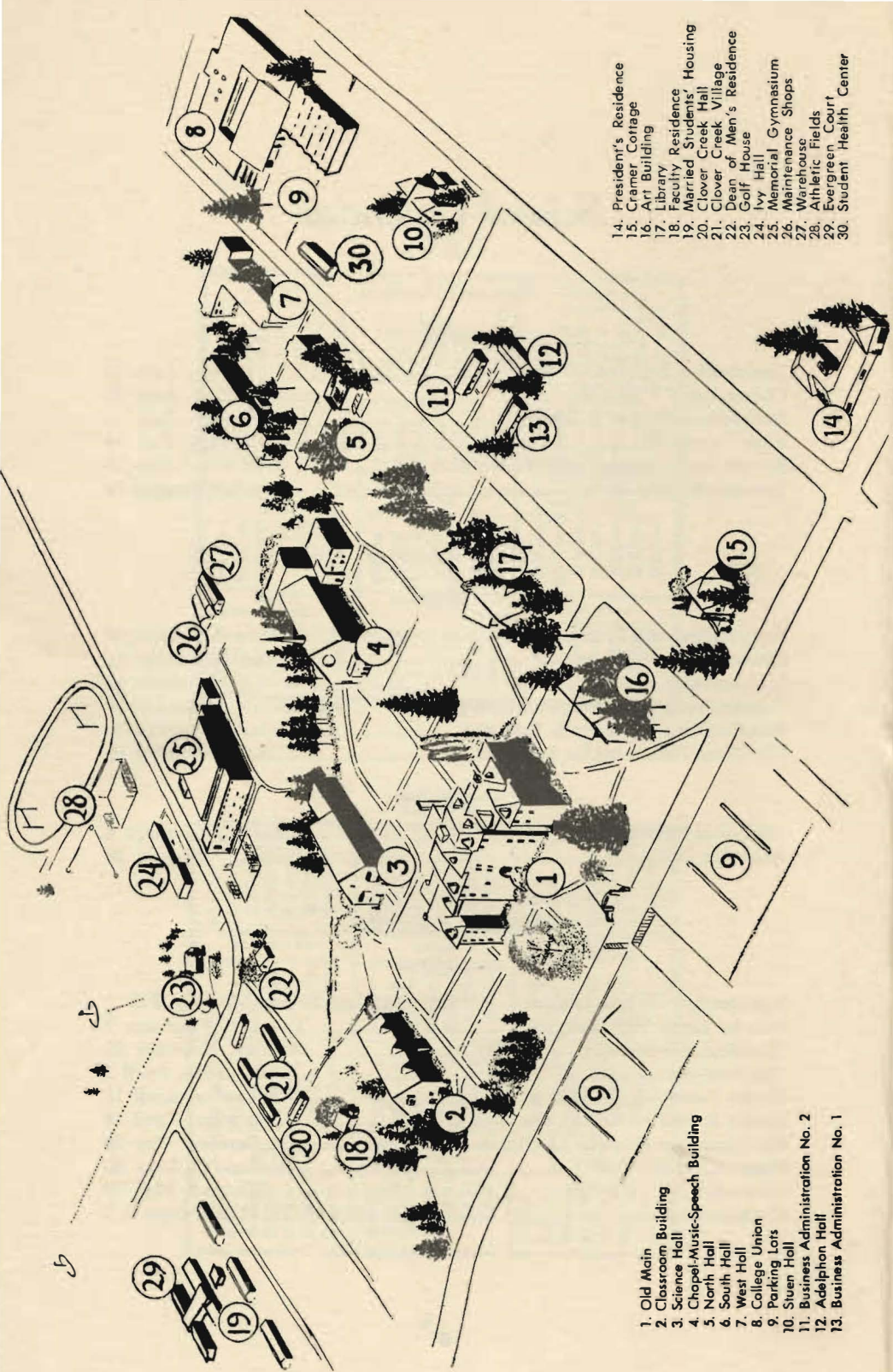
— 1960 —

Christmas Recess ends 7:50 a.m.....	Monday, January 4
Semester ends.....	Thursday, January 28

Second Semester

— 1960 —

Registration for new students.....	Saturday, Jan. 30 and Monday, Feb. 1
Classes begin 7:50 a.m.....	Tuesday, February 2
Washington's Birthday, a holiday.....	Monday, February 22
Mid-semester.....	Saturday, April 2
Easter Recess begins 9:00 p.m.....	Wednesday, April 13
Easter Recess ends 7:50 a.m.....	Tuesday, April 19
Baccalaureate Services 11:00 a.m.....	Sunday, May 29
Commencement 3:30 p.m.....	Sunday, May 29
Memorial Day, a holiday.....	Monday, May 30
Examinations.....	May 26, 27, 31 and June 1, 2



- 14. President's Residence
- 15. Cramer Cottage
- 16. Art Building
- 17. Library
- 18. Faculty Residence
- 19. Married Students' Housing
- 20. Clover Creek Hall
- 21. Clover Creek Village
- 22. Dean of Men's Residence
- 23. Golf House
- 24. Ivy Hall
- 25. Memorial Gymnasium
- 26. Maintenance Shops
- 27. Warehouse
- 28. Athletic Fields
- 29. Evergreen Court
- 30. Student Health Center

- 1. Old Main
- 2. Classroom Building
- 3. Science Hall
- 4. Chapel-Music-Speech Building
- 5. North Hall
- 6. South Hall
- 7. West Hall
- 8. College Union
- 9. Parking Lots
- 10. Stuen Hall
- 11. Business Administration No. 2
- 12. Adolphon Hall
- 13. Business Administration No. 1

The College

History

Men of vision and faith came from the midwest in 1890 to establish this institution of higher education. These Lutheran church leaders had great dreams as they began construction in 1891 of the huge, six-story building now known as Old Main. In the keystone of the arch above the main entrance to the structure they put the inscription, "PLU 1894." This stood for "Pacific Lutheran University," and classes were begun October 14, 1894.

Located in the community of Parkland, Washington, the school was first an Academy. But the vision of its founders was not to be denied. The institution became a Junior College in 1921, a three-year Normal School in 1931, a College of Education in 1939, and finally a College of Liberal Arts in 1941. Most recent development is the addition of graduate work in Education leading to a Master of Arts degree.

Pacific Lutheran is the only senior Lutheran church college west of the Rocky Mountains. Two Lutheran schools in Washington—Columbia Lutheran College of Everett and Spokane College—merged with Pacific Lutheran several decades ago.

The College has had its greatest growth in the period since 1945 with rapid expansion of its curriculum, its faculty, its physical plant and its enrollment.

Location

The College is located in the suburb of Parkland, seven miles due south of the city center of Tacoma, Washington. The 125-acre campus is two blocks west of Pacific Avenue (Highway No. 5 to Mt. Rainier) and two miles east of Highway No. 99. Transportation from downtown Tacoma is available on the Tacoma Transit System's "Spanaway" bus which has a stop in front of Old Main.

Accreditation

Pacific Lutheran College is fully accredited by the Northwest Association of Secondary and Higher Schools as a four-year liberal arts college and by the Washington State Board of Education for teacher education.

The College is also a member of the Association of American Colleges, the American Council on Education, and the National Lutheran Educational Conference and is approved by the American Association of University Women.

Objectives

The Philosophy

Pacific Lutheran College is a College of Liberal Arts, but more than that, it is a Christian College.

As such its primary purpose must be the preparation of a trained Christian citizenry through an unhampered search for truth in all areas and aspects of life.

Academic Objectives

1. To impart to the student a fund of information covering the important areas of human knowledge which will serve as material for discussion —and a basis for further development.
2. To train the student in the processes and procedures for obtaining specific information.
3. To arouse in the student an intellectual curiosity and interest in his surroundings and in mankind in general, so that he will desire to grow in knowledge and understanding.
4. To develop in the student a sense of intellectual honesty and integrity.
5. To give training in professional and pre-professional courses, while continuing to emphasize the broad general training as a base for a college education.

Social Objectives

1. To provide an opportunity for the development and expression of Christian attitudes and faith.
2. To furnish wholesome recreation and Christian fellowship.
3. To provide opportunities for personal development, group recognition, and at the same time to foster student morale and loyalty to the college.
4. To encourage students to be active and creative, gaining satisfaction from accomplishing things that to them are interesting and worthwhile.
5. To foster through an extra-curricular activities program an opportunity to apply skills and knowledge gained in the classroom.

Ownership, Government, and Support

Pacific Lutheran College, one of the five major colleges of the Evangelical Lutheran Church in America, is a corporation owned and operated by the Pacific Lutheran College Association, a division of the Pacific District of the Evangelical Lutheran Church. The Pacific District encompasses congregations in the states of Washington, Oregon, and Alaska.

For many years the College has also received support from the American Lutheran Church, the Augustana Lutheran Church, and the Pacific Lutheran College Alumni Association. Representatives from these groups, and the Evangelical Lutheran Church, comprise the 17-member Board of Trustees which governs the institution.

In addition to regular support from its church constituency, the college enjoys considerable assistance from friends of Christian education throughout the nation and world.

The Campus

The 125-acre campus is a careful blending of modern, well-equipped academic and living facilities with beautiful natural surroundings. Sweeping green lawns, flower gardens, shrubs and stately Douglas fir trees enhance the buildings, but majestic Mt. Rainier, 40 miles distant, dominates the setting.

The principal academic buildings and most of the residence halls are located on what is termed the "upper campus." An outdoor swimming pool, used the year around, is adjacent to the residence halls. Below a slight hill is the "lower campus" which includes the gymnasium, athletic fields, nine-hole golf course, some residence halls and apartments for married students.

College Buildings

Old Main, a six-story structure, houses the college administrative offices, six classrooms, and a dormitory for men.

The Library has reading rooms for 200 students, stacks for 75,000 volumes, classrooms and faculty offices. In addition to the main collections of over 45,000 catalogued volumes, there are special collections in Germanic languages, rare books and an archival collection of the development of the Lutheran Church in the Northwest.

The Science Hall is a three-story brick structure which has laboratory, classroom, library, and office facilities for the departments of biology, chemistry, geology, mathematics, and physics. A wing, almost doubling the size of the facilities, was added in 1959.

Memorial Gymnasium provides classrooms and activities areas for the department of health and physical education, and accommodations for intramural and intercollegiate athletics. The gymnasium proper has seating for 2,700 persons.

The Chapel-Music-Speech Building has a 1,238-seat auditorium used for daily chapel, concerts, special events, and plays. The building contains classrooms, work areas, and a radio studio for the department of speech; individual practice rooms, ensemble practice rooms, and studios for the department of music; and a devotional chapel and offices for the student congregation.

The Classroom Building, built originally as a Student Union, has faculty offices and seven classrooms.

The Art Building is a two-story frame structure containing classroom, laboratory, and office space for the department of art.

In the College Union Building are to be found the cafeteria, bookstore, coffee shop, lounges, student government and publications offices, art gallery, banquet hall and small dining rooms. The Chris Krutzen Fellowship Hall for banquets and special meetings was added in 1959.

Business Administration Classroom Buildings No. 1 and No. 2 will be removed in June 1959 to permit construction of the new Administration-Classroom Building.

The Student Health Center contains offices for the college doctor, the college nurse and beds for 10 patients.

The Warehouse and Shops are located on the lower campus and are used in the maintenance of the physical plant.

Living Units

The President's Residence is a one-story brick rambler located on the north edge of the campus.

Cramer Cottage is a frame two-story house used as the residence for the college pastor and his family.

College apartments for married students are one-story frame buildings on lower campus.

Residence Halls for Women

South Hall accommodates 143 students and its facilities include two large lounges with kitchens, two small kitchen units with attached study lounges, self-service laundry, and special accommodations for women who live off-campus.

North Hall houses 143 students and its facilities include two large lounges with kitchens, two study lounges, and self-service laundry.

West Hall houses 160 students and its facilities are similar to those in North Hall.

Ivy Hall houses 36 students and has a reception room, kitchen, and self-service laundry.

Stuen Hall houses 16 students and has a reception room.

Residence Halls for Men

Old Main Residence Hall accommodates 251 students and has three lounges, a kitchen, a recreation room, and a self-service laundry.

Evergreen Court houses 70 students. Its 24 units have private baths and individual entrances. A large lounge and self-service laundry area are located in the center of the "H" shaped court.

Clover Creek Hall houses 24 students and has a lounge and self-service laundry.

Adelphon Hall, which has housed ten men, will be removed in June to make way for the new Administration-Classroom Building.



Admissions

In accordance with its general purpose, Pacific Lutheran College will admit as students men and women of good moral character and health who are qualified by previous training and show promise of being able to benefit from the courses they intend to pursue.

The approval of an application is based upon a thorough study of the various factors significant as criteria for success in college.

The Committee on Admissions, in judging the qualifications of applicants, pays particular attention to academic performance in high school, including rank in class and grade point average; the kind of courses taken; scores made on the College Entrance Examination Board Aptitude Test; character, health, and extracurricular interests and achievements of the applicant.

Freshman Admission Procedures

An applicant seeking admission to Pacific Lutheran College as a freshman should address a letter of inquiry to the Director of Public Relations. In order to be considered for admission, prospective students must submit the following credentials:

1. A formal application for admission, made on the uniform blank used by the institutions of higher learning in the

State of Washington. These forms may be procured from high school principals or upon request from the Director of Public Relations. Applications for admission should be made as soon as possible after graduation in order to allow time for the College to determine whether the student qualifies.

A student may submit an application after the completion of seven semesters of high school work. In such cases the College will supply the high school principal with a form on which he will certify graduation and completion of the courses listed on the original application.

It is recommended but not required that the high school course of the applicant include: English, 3 units; elementary algebra, 1 unit; plane geometry, 1 unit; social studies, 2 units; one foreign language, 2 units; one laboratory science, 1 unit; electives, 6 units.

2. Applicant must take the College Entrance Examination Board Scholastic Aptitude Test and specify that the results are to be sent to the College. Information regarding the College Entrance Board tests may be obtained from the applicant's high school principal or from the College Entrance Examination Board, Box 27896, Los Angeles 27, California. Applicants are urged to write early to the Board for the Bulletin of Information.
3. Recommendations from two people personally acquainted with the applicant, preferably a pastor, teacher or employer. Recommendation forms may be obtained from the College. Such recommendations should be mailed directly to the Committee on Admissions. If possible, a personal interview with representatives of the College should be arranged.

Admission To Advanced Standing

Students who transfer from accredited institutions of collegiate rank may be admitted to advanced standing by submitting complete official transcripts and college records, including a statement of honorable dismissal, and recommendations from two people personally acquainted with the applicant. See (3) above.

1. Credit will be granted for subjects which meet the requirements of the course chosen by the student and for which the student has made grades of not less than "C".

2. Credit for subjects in which the student has a grade of "D" will be withheld until the student has successfully completed one semester's work.
3. In order to be a candidate for a degree, the last full year of work must be taken in residence. A minimum of 30 semester credits may be earned during the senior year.

Admission As Special Student

The following persons, upon securing the consent of the Dean, may be admitted as special students:

1. Mature individuals who are not eligible for admission as regular students but who have supplemented their incomplete preparation by practical training and experience and who are judged competent to benefit from the courses they desire to take.
2. Applicants who are graduates of unaccredited high schools.

Special students are not admitted as candidates for degrees. However, if their scholastic record reveals evidence of ability, they may become regular students by fulfilling the admission requirements of the College.

Auditors

A regular or special student may audit a course provided he secures the approval of the Dean and the instructor of the course. An auditor attends classes but may not participate or receive credit. No person may audit a course without being properly registered. This involves the payment of a special fee. Students may not register as auditors in "activity" or laboratory courses.

Advanced Placement Program

The College will consider the granting of advanced standing and credit in courses taken in high school according to the regulations set up under the Advanced Placement Program of the College Entrance Examination Board. Advanced placement will be granted according to the evaluations made by the Board and upon the recommendation of the respective academic department of the College.

Veterans Benefits

Pacific Lutheran College is approved by the Veterans Administration as an institution of higher education for veterans. The College welcomes veterans to use its facilities in acquiring and completing their college education.

Those who plan to attend college under the benefits of the Public Laws for veterans should secure a certificate of eligibility from the regional office of the Veterans Administration and must present this certificate at the time of registration.

Students qualifying under the War Orphans Bill Public Law 634 should obtain the certificate of eligibility as stated above.

Veterans who have completed liberal arts courses through USAFI will receive credit as recommended by the American Council on Education.



The Chapel-Music-Speech Building



North Hall, one of three new residence halls for women



Swimming in this outdoor pool is available the year around because of "air house" which covers it during winter months. Pool was given in 1958 by Dr. and Mrs. S. C. Eastvold, president of the college and his wife.



Natural beauty of the campus invites relaxation adjacent to West Hall for women

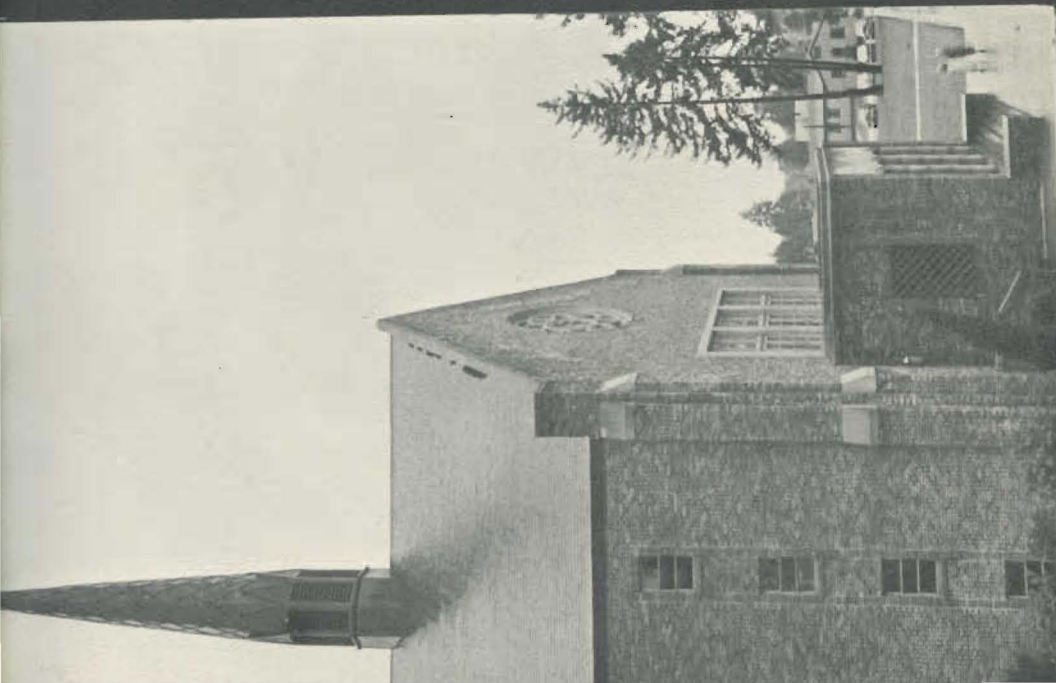


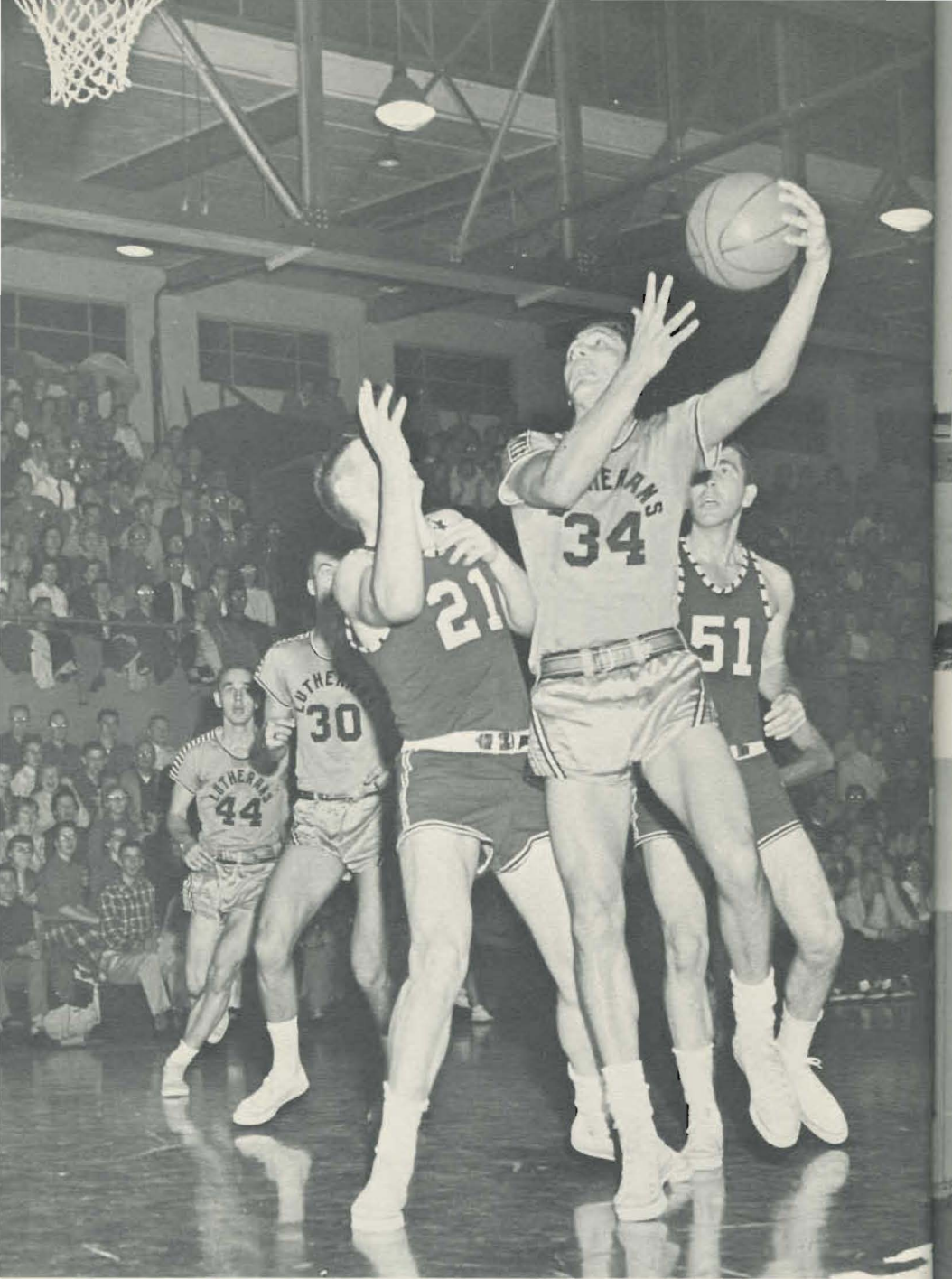
The Classroom Building is characteristic of the neat, brick structures on campus



Majestic Old Main houses administrative offices, classrooms and residence facilities for men

*Chapel, library and kiosk bulletin board form
this panorama from the Science Hall*

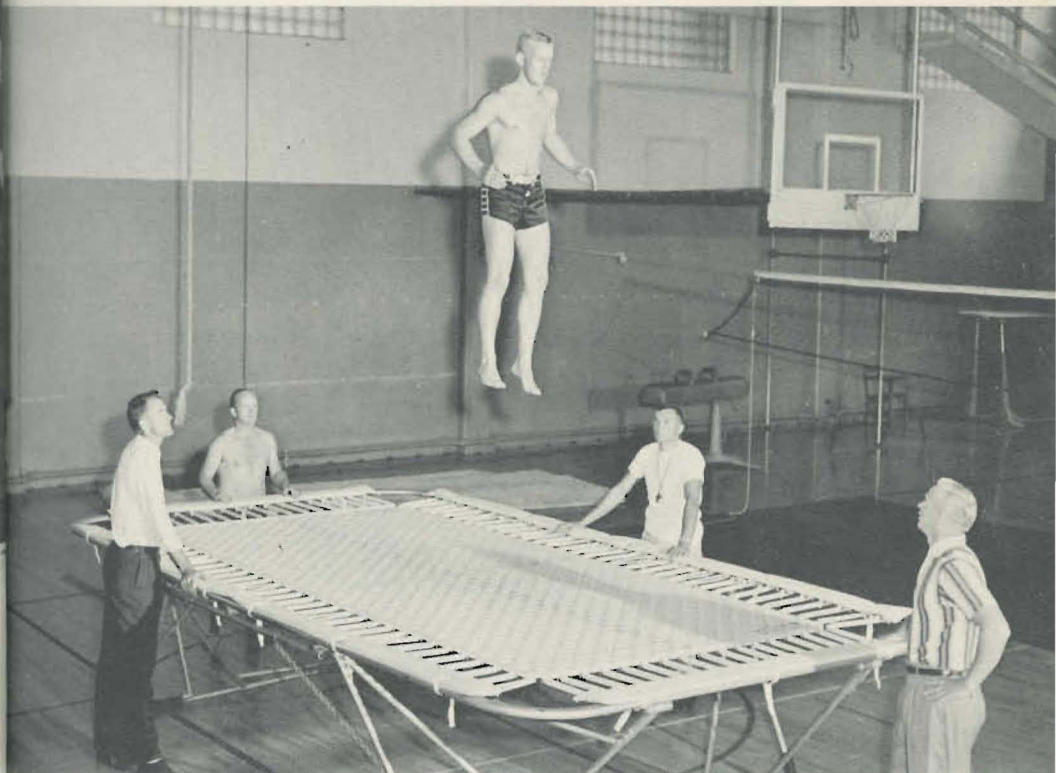




PLC's basketball champions tangle with Evergreen Conference foe



Memorial Gymnasium is the center of the instructional, intramural and intercollegiate athletic programs



Tumbling class student receives instruction on use of the trampoline



Gala social events are part of college life. These lovely coeds were participants in a festival



These members of Spurs, sophomore service group, are dressed for their annual Lucia Bride Festival which ushers in a series of Christmas festivities on campus

Finances

It is the policy of the College to maintain the highest educational standards with a minimum of cost to its student body. The support of the three cooperating Lutheran Synods and friends who contribute toward the operation of the school enables the College to charge a lower tuition rate than would otherwise be possible.

General Fees

TUITION, per semester, 12 to 16 hours.....	\$275.00
Private lessons and laboratory fees are not included in the general tuition.	
MATRICULATION (Paid only by students entering for the first time)	5.00
GENERAL FEE, per semester, 8 hours or more.....	16.00
HEALTH SERVICE FEE, per semester.....	8.00
SAGA (annual), per year, payable first semester.....	6.00
STUDENT ARTIST SERIES, payable first semester.....	4.00
SWIMMING POOL FEE, per semester.....	6.00

Special Fees

TUITION FOR LESS THAN TWELVE HOURS, per credit hour	20.00
This charge does not include private lessons.	
The General Fee will be prorated for less than eight hours.	
AUDIT, per credit hour	7.50
CHANGE IN REGISTRATION	1.00
GRADUATION AND DIPLOMA (each degree)	10.00
LATE AFTERNOON AND EVENING CLASSES (only), per credit hour	15.00
No general fee. All laboratory fees will be extra.	
EXCESS REGISTRATION, above 16 hours, per credit hour	5.00
ROOM AND RESERVATION DEPOSIT, dormitory room	35.00
LATE REGISTRATION, \$1.00 per day, maximum	3.00
MASTER'S DEGREE RESEARCH, not to exceed	35.00
MASTER'S THESIS TYPING CHARGE, 25c per page, not to exceed	45.00
MASTER'S THESIS BINDING CHARGE	5.00
PLACEMENT	5.00
TRANSCRIPT, first copy free, each additional copy	1.00

Class and Laboratory Fees

ART 112, 211, 311, 312, 325, 415, 425, 427, 440a	3.00
ART 111, 210, 215, 219, 315	5.00
BIOLOGY (all laboratory courses except 274)	5.00
BIOLOGY 274	7.50
CHEMISTRY (all laboratory courses)	5.00
ECONOMICS AND BUSINESS ADMINISTRATION 141, 142	10.00
EDUCATION 315	2.50
EDUCATION 463, a,b,c,d Student Teacher's Service	12.00
GEOLOGY 101, 102	5.00
MUSIC 140, 146	5.00
HEALTH & PHYSICAL EDUCATION 101-104, 107-110, 297 (towel fee per semester)	1.50
PHYSICAL EDUCATION 204	14.00
PHYSICS (all laboratory courses)	5.00
PSYCHOLOGY 353	2.00
SCIENCE 121, 122	3.00
SPEECH 270, 370	3.00

Private Music Fees

CHOIR GOWN RENT, per year, payable first semester in attendance	2.00
BAND UNIFORM RENT, per year, payable first semester in attendance	2.00
CASAVANT ORGAN RENT, one period daily, per semester	25.00
ORGAN RENT, one period daily, per semester (electric)	10.00
ORGAN RENT, two periods daily, per semester (electric)	15.00

PIANO RENT, one period daily, per semester.....	5.00
PIANO RENT, two periods daily, per semester.....	7.50
PRIVATE INSTRUCTION, per semester.....	45.00
Organ, orchestral instruments, piano, or voice.	
One thirty-minute period per week.	

Membership Fees for Music

CHOIR	5.00
CHORUS	3.00
CONCERT BAND	3.00
CONCERT ORCHESTRA	3.00
MADRIGAL SINGERS	3.00

Board and Room

Board is furnished in the College Dining Hall at \$185 per semester for students rooming off campus, for three meals per day, except on Sunday when the evening meal is not provided. Meals are not served in the College Dining Hall during Thanksgiving, Christmas and Easter vacations.

Room and board are furnished to resident students, per semester, as follows:

Women

South Hall, capacity 144.....	\$275.00
North Hall, capacity 143.....	275.00
West Hall, capacity 145	275.00
Stuen Hall, capacity 14.....	275.00
Ivy Hall, capacity 81.....	250.00 to 275.00

Men

Old Main, capacity 251.....	\$275.00
Clover Creek Hall, capacity 24.....	245.00
Clover Creek Village, capacity 48.....	245.00
Evergreen Court, capacity 69.....	275.00
Room Reservation Deposit.....	\$ 35.00

A deposit of \$35.00 is required to reserve a room. \$10.00 is held as a key and breakage fee for the year. \$25.00 is held as a room deposit by the College until the student is graduated or withdraws from College. The deposit of \$35.00 is refunded if withdrawal is made before July 1.

Family Apartments

- Two bedroom (16 units) inc. water. per month \$35.00
- Three bedroom (8 units) inc. water, per month 40.00
- Family Apartment Deposit..... 25.00

A deposit of \$25.00 must accompany a reservation for family apartments. This deposit will be held by the College until the occupant vacates the apartment.

One month advance rent for apartments is required.

Estimated Fees Per Semester

The following table will aid the student in estimating the minimum and maximum expenses, respectively:

Tuition	\$275.00	\$275.00
Board and Room.....	245.00	275.00
General Fee	16.00	16.00
Other Required Fees.....	24.00	29.00
Books and Supplies.....	20.00	40.00
	\$580.00	\$635.00

Add spending money and multiply by two to obtain estimated cost for one school year of nine months.

Payments and Adjustments

Semester bills must be paid or arranged for on or before the first day of classes each semester. A time payment schedule may be arranged providing:

A. Students living in the College dormitories pay at least two hundred dollars (\$200.00) on or before the first day of classes each semester. Students not living in College dormitories pay at least one hundred dollars (\$100.00) on or before the first day of classes each semester.

B. The balance is paid in two equal payments in the two months following registration. These payments will be due on dates set when the student registers.

C. A fee of five dollars (\$5.00) is paid for servicing time payments if not paid in full by November 20 or April 20, respectively.

An interest-bearing note will be required for unpaid charges. All notes must be paid within the semester in which they are

issued and require acceptable endorsers. Students who fail to meet payments when due may be denied admission to classes. Students will not be admitted to semester final examinations until all obligations to the College have been satisfied.

Registration is not completed until all financial obligations have been arranged in the Business Office.

The College reserves the right to withhold statement of honorable dismissal, transcript of records, or diploma, until all College bills have been paid, or until satisfactory arrangements have been made with the Business Office.

Credit for future services to be rendered to the College by the student cannot be used to meet the initial payment. Money due a student from loans or scholarships, or for work performed for pay must be applied on the student's bill and is not given in cash.

Refunds

Refund of tuition charges may be made when withdrawal from the College is caused by sickness or causes occurring beyond the control of the student. In no case will special fees be refunded. Refund may be made in the following proportions:

One week or less.....	80%
Between one and two weeks.....	80%
Between two and three weeks.....	60%
Between three and four weeks.....	40%
Between four and five weeks.....	20%
No refund after five weeks.	

No room refund is given unless the room is sublet by the student upon approval of the Dean of Men or Dean of Women.

Refunds on board will not be made for continuous absences of less than one week and no refund will be made for the first week's absence. A pro rata refund will be made for necessary withdrawal from the College. No refund will be made for any College sponsored trips of any kind, such as Choir, Chorus, Band, Orchestra, Athletics, and so forth.

Depository for Students

Students desiring to leave cash in the Business Office may do so. This cash may be drawn out at the request of the student.

Insurance

The College carries no insurance covering the personal effects of the students or the faculty members. The College cannot be held accountable for any losses.

College Reservations

The College reserves the right to change its charges at any time without previous notice. However, after the beginning of any given semester no change will be made to be effective within the semester, except in case of extreme emergency.

Scholarships

To aid worthy students who have attained scholastic achievement, the College has enlarged its scholarship program. A number of \$400 and \$200 scholarships are available. These are payable at the rate of \$100 and \$50 per school year, applicable the second semester. To be eligible for consideration, a high school student must have at least a B average and rank in the upper 10 per cent of his class.

Awards to students with outstanding records in such fields as music, speech, athletics, and journalism are also available. The value of these awards is the same as that of the scholarships, and the awards are payable at the rate of \$100 and \$50 per school year, applicable the second semester.

All students selected for these honors must be recommended by the high school principal and/or an appropriate faculty scholarship committee.

Applications for all scholarships should be filed with the Dean of the College on official blanks furnished by the College. It is expected that these scholarships be accepted within a reasonable time after being offered by the College. No student may receive the benefit of more than one College scholarship at the same time. The student must carry a minimum of twelve credit hours per semester.

Pastors and unmarried children of pastors are to be given scholarships in the amount of \$100 for each school year. These scholarships are to be granted only during the second semester in attendance and only if such students receive the main support of their college expenses from their parents, and providing that the students are registered for at least twelve hours each semester during the school year.

Recognized dependents (not including married children) of faculty staff members are granted special scholarships, the amount to be announced at the time of registration.

Scholarships in the amount of \$25 per semester shall be given to each of two or more students from the same family attending school at the same time, providing that the main support is given by their parents.

LEAF Scholarships. The Conditional Aid Fund of the Evangelical Lutheran Church Educational Aid Fund grants scholarships to students, providing no other form of scholarship or grant-in-aid has been given by the College.

The American Association of University Women provides a \$100 scholarship annually to a College junior woman.

The Augustana Lutheran Church, California Conference, has provided five \$100 scholarships to be given to students from the Conference each year, the grants to be contingent upon need, scholarship, and character.

The Board of Social Action of the American Lutheran Church annually offers a \$300 scholarship for a senior year A.L.C. student at Pacific Lutheran College who is enrolled in the social service curriculum. The scholarship is awarded at the end of the junior year, selection being made by the administrative officers of the College.

The Augustana Churchmen of the Augustana Lutheran Church awards one scholarship each year on a four-year basis, payable at the rate of \$125 per year and granted only to a bona fide member of an Augustana Lutheran Church congregation.

The Columbia Conference Women's Missionary Society provides scholarships for students of the Columbia Conference of the Augustana Lutheran Church.

The Columbia Conference Luther League Scholarship (\$150) is awarded annually to an entering freshman who holds membership in the Augustana Lutheran Church.

The Gordon J. Storaasli Scholarship (\$150) is annually given to a College junior or senior who is a member of the Augustana Lutheran Church.

The Evangelical Lutheran Church, through its Board of Education, annually gives a scholarship to a senior who enrolls at Luther Seminary, St. Paul, Minnesota.

The Dr. and Mrs. W. B. Burns Fund of ten thousand dollars (\$10,000) provides interest income that is awarded to young men showing outstanding ability and leadership qualities in athletics.

The Ida A. Davis Fund, established in 1949, provides income for scholarships to worthy students.

W. H. Hardtke Seminary Student Scholarship Fund provides for two annual \$100 scholarships.

The Olaf Halvorson Scholarship is awarded to encourage the study of Norwegian culture and is offered as an inducement to worthy students in the department of Norwegian.

The Ladies of Kiwanis Award provides for an annual \$100 scholarship to a College junior woman.

The Lutheran Brotherhood Legal Reserve Life Insurance Company grants two annual scholarships of \$300 to high ranking students to be used during their senior year. The selection is made by the administrative officers of the College.

The Tacoma Kiwanis Club annually gives a \$300 scholarship to a Tacoma high school graduating senior chosen by the high school administration. This scholarship to Pacific Lutheran College is rotated every year between Lincoln and Stadium High Schools.

The Tacoma Rotary Club annually gives three \$100 scholarships, the recipients to be selected by the College.

The Women of Rotary Scholarship provides for a \$150 scholarship to a College junior woman.

Student Loan Funds

The college administration is enabled to help students who are in need of financial assistance through the various student loan funds. Unless otherwise stated, the loan funds are administered by the President of the College.

The Alumni Association Loan Fund for students needing financial aid is administered by the Business Office.

The American Lutheran Church Student Loan Foundation provides opportunity for College and Seminary students of good Christian character and ability who need financial help to complete their education.

The Anton Anderson Loan Fund is used for needy students. The fund is administered by the Business Office.

The John S. Baker Loan Fund in the amount of \$10,000 was established in 1950. This money is lent to needy and worthy students at a nominal rate of interest.

Delta Kappa Gamma, a women's honorary teacher organization, has established a Student Loan Fund to give financial aid to worthy junior and senior girls in the field of education.

The Lily C. Ekern Fund is used as an aid to outstanding students needing financial assistance.

The Leona M. Hickman Student Loan Fund, established in 1936, provides assistance to men students resident in King County on the basis of need, character, scholastic record, and ability for self-help. The amount available is in excess of \$100,000. All

loans bear interest at 5% and must be approved by the Hickman Student Loan Fund Committee. Further information may be obtained from the Trust Department of the Peoples National Bank of Washington, 1414 Fourth Avenue, Seattle, Washington.

The Marie Huth Loan Fund was established during the school year of 1951-52. This money is to be lent to needy and worthy students at a nominal rate of interest and thus be of perpetual assistance to those who will come under the provisions of this gift.

The Memorial Student Loan Fund was established in March 1958. This money is to be lent to needy and worthy students at a nominal rate of interest.

The J. P. Pflueger Student Loan Fund was established during the school year 1952-53 in memory of the late Myrtle Pflueger and in honor of Dr. Pflueger, Professor at the College since 1930.

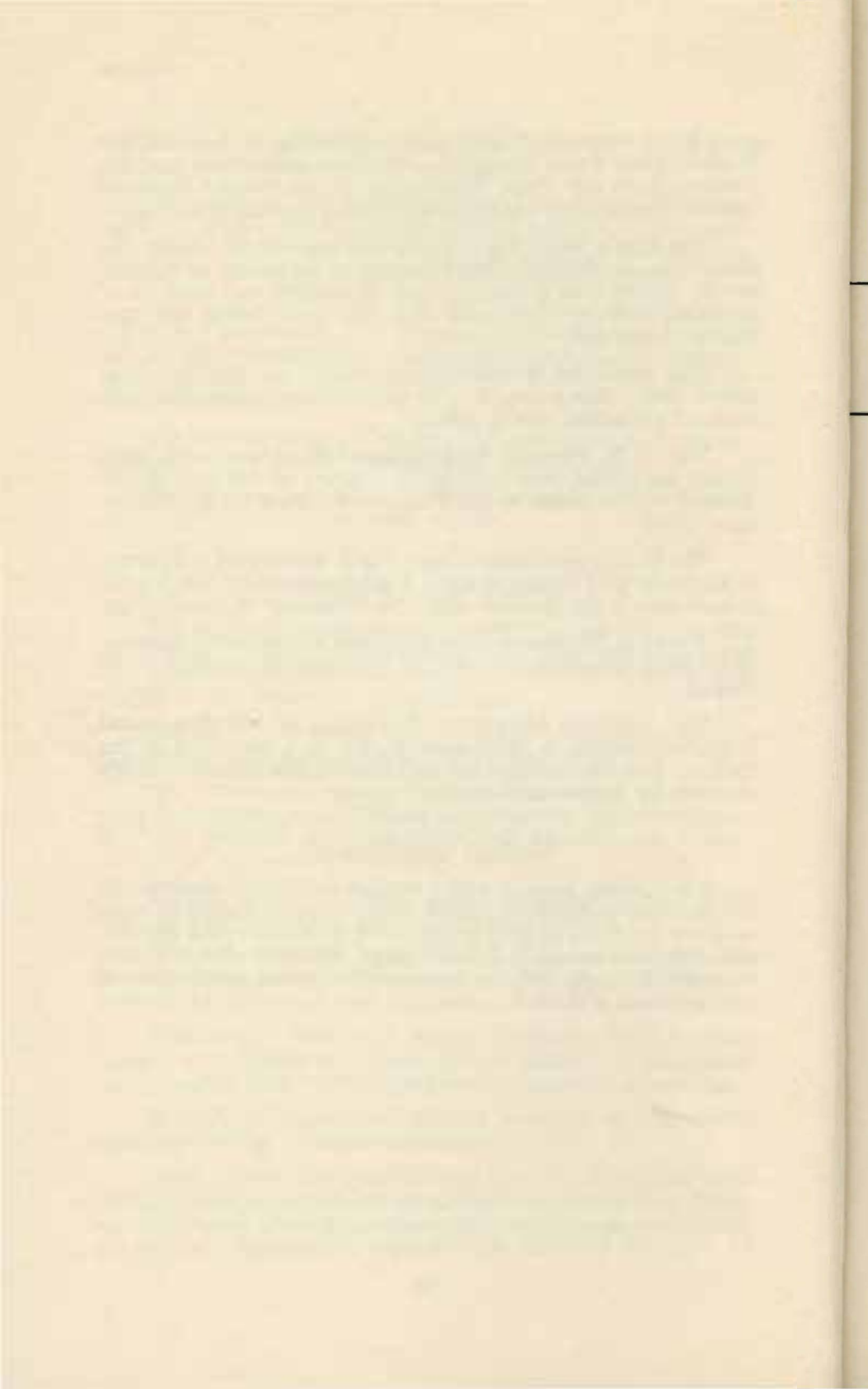
The O. J. Stuen Alumni Loan Fund, established in memory of Professor O. J. Stuen in 1953, is administered by the Alumni Association in conjunction with the President of the College.

The O. A. Tingelstad Loan Fund was established in memory of Dr. O. A. Tingelstad in 1953 by the Board of Trustees of the College.

The Women's Missionary Federation of the Evangelical Lutheran Church, in 1950, gave \$1,500 as a loan fund to the College. It is directed that the principal shall be loaned to needy and worthy juniors and seniors.

Student Employment

The College aims to assist worthy and needy students by helping them to find work. Applications for work should be made to either the Dean of Men or the Dean of Women after the student has been accepted for admission. Students who will need work should apply early in the summer because the number of jobs available is limited.



College Life

In addition to successful academic performance, the College challenges the student to profit by experience in extra-curricular activities. Here also the student develops his leadership skills and learns how to work well with his neighbor.

Organizations and clubs are for the most part under control of the PACIFIC LUTHERAN COLLEGE ASSOCIATED STUDENTS as part of a student government. This organization composed of the whole student body has regular meetings where general student affairs are discussed. The Student Council, representing the entire student body, coordinates student activities and organizations on campus.

The establishment of any new organization or club must have the approval of the Student Council and the Faculty Student Activities Committee. Each organization is required to have a full-time faculty member as senior adviser and a constitution approved by the Student Council and Faculty Student Activities Committee.

College Activities

General

ALPHA PHI OMEGA—national service fraternity for college men interested in Boy Scouts of America.

ASSOCIATED WOMEN STUDENTS—the one general organization for all women students.

CIRCLE K—affiliate of National Kiwanis.

INTER-CLUB COUNCIL—coordinators of all student activities.

DELTA RHO GAMMA—social organization for off-campus women students.

LADY LUTES—for married women students and wives of college students.

OMICRON MU ALPHA—social organization for off-campus men students.

TOASTMASTERS—affiliate of Toastmasters Club of America.

VETERANS' CLUB—social organization for students with military experience.

Honorary

ALPHA PSI OMEGA—National dramatic fraternity with local chapter (Theta Pi) at Pacific Lutheran College.

BLUE KEY—local chapter of the national junior and senior men's service honorary.

PI KAPPA DELTA—national speech fraternity with local chapter (Epsilon Chapter) at Pacific Lutheran College.

SPURS—local chapter of national service honorary for sophomore women.

TASSELS—local honorary for senior girls.

Athletic

ATHLETIC ASSOCIATION—local organization for Evergreen Intercollegiate Conference.

LETTERMEN'S CLUB—social organization for men who have won letters in one or more major sport.

SKI CLUB—for students interested in individual and/or competitive skiing.

MEN'S INTRAMURALS—for students wishing to participate in a limited but not intercollegiate sports activities.

Departmental

ALPHA SIGMA LAMBDA—service and achievement club for majors in social sciences.

AMERICAN CHEMICAL SOCIETY—local chapter for national society.

KAPPA RHO KAPPA—service and social club for students interested in Greek.

LINNE SOCIETY—club for biology students.

P.L.C. ART LEAGUE—club for art students.

RHO LAMBDA CHI—local chapter of Student National Education Association.

DELTA IOTA CHI—club for nursing students.

PSYCHOLOGISTS, SOCIOLOGISTS, HISTORY—for those students interested in each study, respectively.

FRENCH, GERMAN, VIKING CLUBS—for those students interested in these languages, respectively.

CURTAIN CALL—for anyone interested in drama.

DEBATE SQUADS—junior and senior divisions—for students interested in intercollegiate competition.

Musical

CHOIR OF THE WEST—a capella choir interested especially in choral music.

CONCERT CHORUS—singers interested in a variety of music.

MADRIGAL SINGERS—an organization of trained voices singing both sacred and secular music.

ORCHESTRA—for anyone having knowledge of orchestral instruments.

BAND—all-college organization for those interested in band instruments and music. Pep Band plays at athletic contests.

ORGAN GUILD—student chapter of American Guild of Organists.

MU PHI EPSILON—local chapter of National Music Sorority.

Religious

STUDENT CONGREGATION — this congregation is under the leadership of the College Pastor, John O. Larsgaard. It is not an incorporated and legal congregation; it is an organization designed to promote the Christian life and to train the students for informed and active leadership in the church. It annually elects a Board of Deacons, a Board of Trustees, a General Council and promotes a stewardship program. Students are invited to affiliate with this organization during their college career. This affiliation does not consist in a transfer from, nor affect in any way, their membership in the home congregation. Morning worship is conducted each Sunday and the Lord's Supper is celebrated the first Sunday evening of each month in the College Chapel.

LUTHERAN STUDENTS ASSOCIATION—local for Lutheran Students Association of America.

MISSION CRUSADERS, PRAYER SERVICE, CAMPUS DEVOTIONS, LUTHERAN DAUGHTERS OF THE REFORMATION—service groups of student Congregation.

PHI DELTA EPSILON—club for young women interested in full-time Christian work.

College Publications

MOORING MAST—weekly college paper.

SAGA—college annual.

Policies Governing Community Life

For the College community only such rules have been adopted as have been found necessary for the promotion of the highest welfare of the students. The College admits students with the express understanding that they will cheerfully comply with its rules and regulations in every respect and conduct themselves as Christian ladies and gentlemen.

The College maintains the right to exercise supervision over the work, conduct, and recreational activities of all students.

Students are expected to employ their time to the best advantage and to avoid activities which might interfere with legitimate class work. The College disapproves of and does not sanction dancing. Smoking by women is not in harmony with the policies of the College. Gambling, visiting places of questionable nature, and the use of intoxicating liquors are strictly forbidden.

All automobiles used by students must be registered at the College. The Administration does not encourage students to keep an automobile while attending College.

Chapel

Chapel exercises are held Monday through Friday and attendance is required except on student body day. Excuses for absences must be filed with the Dean of Men or the Dean of Women within one week after the absence has occurred. More than four unexcused absences during any one semester may result in suspension of the student.

Scheduling

All social and college activities arranged by departments, campus clubs, or groups of students must be scheduled through the office of the Dean of Women. Approved chaperones are required for all scheduled activities held on and off campus. The scheduling of activities by students is the joint responsibility of the Inter-Club Council and the Office of the Dean of Women.

Room Assignments

All students, except those living with parents, are required to live in college dormitories to the extent that rooms are available, unless permission to live off-campus is granted by the Dean of Men or Dean of Women. Such permission must be given before registration day and before other arrangements are completed. When students cannot be accommodated in the dormitories, the College will find suitable living quarters off the campus. Housing facilities off the campus must be approved by the Dean of Women and the Dean of Men.

Application for housing either on or off campus should be made as early as possible. No student, except those living at home or with relatives, may complete registration who has not previously made application for housing through the Dean of Men's or the Dean of Women's Office. Applications for housing are filed in the order of the date of application. No room reservation will be held beyond the official date of registration unless the Dean of Men or the Dean of Women is notified on or before that date. Room changes after original assignment must be first approved by the Dean of Men or the Dean of Women. A charge of \$5.00 will be made for all unauthorized room changes. All placement preference lists are automatically obsolete after the fall or spring opening dates of college residence halls.

All students must have in their possession an identification and housing assignment card to present to the business office during registration, showing that their housing has been completed and approved by the Dean of Men and the Dean of Women. This identification card also serves as a temporary meal ticket during the first two weeks of school.

All those assigned rooms in private homes will have their room fee applied toward their bill or refunded after registration.

The College dormitories will not be open for occupancy during the recess periods announced in the catalog or in advance of the opening date except by advance arrangements and payment of a special fee. The College reserves the right to use the dormitory rooms during the vacation periods for conventions or similar scheduled meetings if it is necessary. The dormitories open on Sunday preceding Orientation Week. The closing date is 6:00 P.M. on the last day of the school year.

Housing assignments do not automatically continue from year to year. The College reserves the right to change student's location or to close a housing unit when it is necessary.

At a time to be announced, students in residence who plan to re-enroll for the fall semester may make their room reservations. After that date reservations will be received and assigned on the same basis as for new students. Rooms are assigned in the order of receipt of room applications.

Men and women living off the campus may not room at the same house.

Housing for Married Students

The college maintains 24 apartments on the campus for married students. Eight of these apartments are three-bedroom units and the remainder are two-bedroom units. Each is partially furnished with electric stoves, table, chairs, and beds.

Applications for family apartments should be addressed to or made in the Office of the Dean of Men. These applications are processed according to the date that they are received by the college.

Residence Halls

The College maintains nine residence halls for students. The Dean of Women and the Dean of Men have general supervision of residence halls. All students registering for rooms in any of the College residence halls are required to continue residence in that hall for the year (two semesters). Release from a year's reservation and accompanying rental charge can be obtained only with the approval of the Dean of Men or the Dean of Women, and by having another student (new or off-campus) take over the room reservation at the time of withdrawal or the change of residence.

North Hall, South Hall, and West Hall rooms are provided with draperies, bed spreads, and mattress pads; residents of other

dormitories furnish their own. All dormitory rooms are provided with single beds, chests of drawers, study desks and chairs. Students furnish personal items which include sheets, pillow cases, pillows, blankets, mattress pads, towels, and other furnishings according to their own taste. The use of electrical appliances except radios, clocks, and reading lamps must have the approval of the respective Deans.

Occupants are held responsible for breakage or damage to the room or its furnishings. Cost of damages beyond the normal wear to residence halls, unless such damage has been identified with an individual, will be prorated among the group within the hall and deducted equally from the breakage fee of each resident at the close of the school year. The rooms are subject to inspection by either the Dean of Women or the Dean of Men. A final inspection of each room must be made before a student may leave at the end of the spring semester or at any time that he withdraws from the College. If the room has been approved by the Dean of Men or the Dean of Women, the \$10 key and breakage deposit is returned at the end of the school year to students who remain in residence during both semesters.

Services

Health and Medical Services

The Student Health Service, staffed by an administrative head, a resident physician, one full-time nurse and assistants, supervises all personal and community health problems on the campus.

At the beginning of the school year, all new students are required to take a physical examination given at the College. Registration requirements are not fulfilled until the completion of this free examination. In addition, all students are required annually to take a free chest X-ray. Consultation service and further examination may be made available if the need is indicated by the physical examination.

The College does not provide for extended medical care by the College doctors, examination or treatment by specialists, or any X-ray service in addition to the free chest X-ray. Every assistance will be given, however, in making arrangements for special medical or surgical care. Whenever practical, the student is urged to avail himself of the services of his family doctor.

Infirmary care is available at \$1.50 a day. Students who are not registered with the College Boarding Club must pay an additional \$2.50 a day for board. All full time registered students are required to pay an \$8.00 per semester health fee. This fee includes accident coverage to \$500.00 as medical and \$50.00

as dental on any injury sustained while on the campus or in the course of the students' coming or going from the local place of residence to or from the college. The same injury and medical coverage is extended to all athletes participating in intercollegiate sports.

All students who have been absent due to illness must report to the Health Center before returning to classes. Medical excuses for classes missed are issued only to students who have notified the Center at the time of their illness.

Boarding Club

Residents of the dormitories are required to take their meals at the boarding club located in the College Union Building. No deductions are made for students who eat fewer than three meals per day at the College or who are absent weekends. A charge is made for students entertaining guests. Students rooming off the campus may board at the boarding club if they wish.

Book Store

The College maintains a book store in the College Union Building for the convenience of the students, where books, stationery, and school supplies may be obtained. The book store is operated on a strictly cash basis.

Coffee Shop

The College Coffee Shop is located in the College Union Building and is open daily.

Placement Service

A fee of \$5 is charged to cover the cost of records and correspondence necessary for placement of graduates receiving the degree of Bachelor of Arts in Education or Bachelor of Education. An effort is made to place all graduates, but positions are not guaranteed. After the first position has been secured a charge of one dollar will be made for each additional issue of credentials.

Graduates receiving the degree of Bachelor of Arts are assisted by their respective major professors in obtaining positions.

Academic Procedures

Academic Counseling

To aid the individual student in making the best possible adjustment to college a comprehensive counseling and guidance program is in effect.

The academic counseling program is under the general supervision of the Dean of the College. Before the freshmen arrive on the campus they are assigned to faculty counselors. These counselors are selected not only because of their mastery of an academic field, but also because of interest in working with a student. The faculty adviser meets with him to assist him in mapping his course of study and to approve his first semester of courses. The adviser is available for counseling at any time during the semester, but always meets with his advisee at each registration period. This student-adviser relationship is maintained throughout the freshman and sophomore years so that the student may have a faculty member follow his plans and courses in detail. A request for a change of adviser may be directed to the Dean of the College.

At the close of the sophomore year the student is required to choose a major and have it accepted by the department con-

cerned and the Dean of the College. On his acceptance in a major department, the student is assigned to the chairman of that department who acts as his major adviser. In some instances he may be assigned a major adviser at the end of his freshman year if he has determined his field of major interest. Major advisers counsel students in upper division academic planning.

General Counseling Service

While every student automatically receives assistance from his faculty adviser, the College also maintains a college testing and counseling service under the direction of the Dean of Men. This service is responsible for administration and interpretation of the guidance examinations given to all freshmen during Orientation Week as well as other departmental testing programs. However, its major emphasis is giving service to college men and women at any time for personal, vocational, and educational counseling. Individual testing is the basis of the services rendered.

Batteries of tests are available for the various professions for those students concerned about their aptitudes and interests as well as general fitness for college training. Counseling is based on test results and other personal data assembled to solve individual problems such as nature of ability, identification of aptitudes, identification of vocational interests, inventory of personality traits, choice of vocation, reading habits and the identification of religious and other personal problems.

Students with unresolved problems and difficulties of long duration, the severity of which is creating a hazard to their success in college, are invited to visit the Testing and Counseling Service. The results of this service are confidential and will not be given to anyone without the permission of the student.

Special Counseling Service

Assistance to every student is available at any time through the staffs of all departments. Faculty members meet the request of students for private conferences at any time and concerning any question the students may have.

In certain areas in which the requests for such assistance are more numerous than in others, the College has made provision for specialized services.

The Dean of Men is available for special counseling in various areas such as social adjustment, dormitory life, off-campus housing, employment and financial needs, attendance, educational and vocational planning, and other matters.

The Dean of Women counsels women students concerning social activities, employment needs, dormitory life, attendance, and other personal and educational needs which arise in college life. This office also coordinates and schedules all campus activities.

Registration

It is important that students whose applications have been approved register on the days designated in the school calendar. Students in attendance are often expected to register in advance for the succeeding semester. New students—freshmen or transfer students—may be invited to register prior to the dates announced in the school calendar. Students who do not register on the days designated will be charged a late registration fee.

Course Load

The normal program for full-time students is 16 hours, including Physical Education activity. A credit hour represents one full period of prepared class work a week, or, if a laboratory subject, at least two periods per week, for not less than seventeen weeks.

Only students with a B average or better may register for more than 17 hours without the special consent of the Dean.

A student engaged in much outside work for self-support may be restricted to a reduced program.

Changes in Registration

Changes in registration will be permitted during the first week of the semester to eliminate conflicts and to correct evident mistakes in registration. After the second week of class meetings, a student is not permitted to add a course.

All changes in registration must have the special approval of the Dean and no change is valid until it has been filed in the business office.

Withdrawals

A student wishing to withdraw from the College or from a specific course must secure the approval of the Dean of the College. The student is entitled to honorable dismissal if his record of conduct is satisfactory and if he has satisfied all financial obligations.

An unofficial withdrawal will be recorded as E.

Withdrawal during the final six weeks of a semester will be approved only upon consideration of factors beyond the control of the student.

Grades

The following letter grades are used in judging the quality of a student's work: A, superior; B, good; C, average; D, low; E, failure; K, conditioned; I, incomplete; W, withdrawal by permission; P, passed.

The letter grade of K may be removed by examination or special assignment. A grade of K may not be raised above a D. If the condition is not removed within the first six weeks of the following semester of residence, it will be converted to a grade of E.

The grade of I may be given to a student doing passing work in the course, but who, because of factors beyond his control, has been unable to take a final examination or complete a major assignment. The instructor giving an incomplete (I) must file with the Dean of the College the reason for the incomplete and a statement of the work that the student must finish in order to remove the incomplete. An I grade must be removed within the first six weeks of the following semester of residence or previous to that date must receive an official extension of time from the Dean of the College.

When credit has been allowed without defining the grade, the letter P is used.

The letter W is given when a student withdraws during the first four weeks of class meetings; WP, when a student withdraws and is passing after the first four weeks of class meetings; WE, when a student withdraws and is failing after the first four weeks of class meetings.

Grade Points

Grade points are granted as follows: A, four grade points for each credit hour; B, three grade points for each credit hour; C, two grade points for each credit hour; D, one grade point for each credit hour; E, no grade point.

Freshmen or sophomores receiving a D or E in any course may repeat the course, and in such case the second grade will be counted in computing the cumulative grade point average, pro-

vided the repetition is done within the second succeeding semester. When juniors and seniors receive a D or E in any course and repeat it, they will receive the average of the two grades for the cumulative grade point average.

Academic Probation

Students are placed on probation if they fail to maintain the minimum grade point average according to the following scale: Freshmen, 1.75; Sophomores, 1.90; Upperclassmen, 2.00. Probation in the academic sense, as here used, is not a disciplinary measure, but instead is an attempt to encourage the student in the direction of his highest efficiency. A student who has been placed on probation because of low scholarship will be required to reduce either his academic or extra-curricular activities, or both, until his scholarship average shall warrant his removal from probation.

A student on probation who fails to show adequate improvement during the following semester will not be allowed to re-register unless, because of extenuating circumstances, he is reinstated by the Academic Status Committee. Students dropped for low scholarship are eligible for re-admission after the expiration of one semester unless otherwise indicated. The student and his parents are notified officially when he is placed on probation. He remains on probation until his grade point average equals the minimum grade point average listed above.

Failing grades in more than one course carried in any semester make a student ineligible to continue the following semester except by special action of the Academic Status Committee.

A senior on probation will not be included on the list of candidates for graduation.

Eligibility

In order to be eligible to hold office in student organizations, to represent the College in intercollegiate contests of any character, to participate in dramatic or musical performances, to be on the staff of either the SAGA or the MOORING MAST, a student must be registered for at least twelve hours and have earned a grade point average of 2.00 during the previous semester and maintain a 2.00 cumulative grade point. A student on probation will not be permitted to participate.

Participation in intercollegiate athletics, however, is governed by the code of the Evergreen Intercollegiate Conference.

Classification of Students

Students are classified as follows:

Freshmen: Students who have met the entrance requirements.

Sophomores: Students who have completed 24 semester credit hours and have earned 48 grade points.

Juniors: Regular students who have fulfilled lower division requirements and have completed 56 semester credit hours and have earned 112 grade points.

Seniors: Regular students who have completed 88 semester credit hours and have earned 176 grade points.

Graduation Honors

Degrees with honors of Cum Laude, Magna Cum Laude and Summa Cum Laude are granted to students receiving the required grade point average. To be eligible for these honors a student must have earned an average of 3.30 for Cum Laude, 3.60 for Magna Cum Laude and 3.90 for Summa Cum Laude.

Summer Session

The Summer Session is an integral part of the program of Pacific Lutheran College. The session meets for nine weeks, divided into two terms of four and one-half weeks each.

The instructional staff includes members of the regular faculty of Pacific Lutheran College. Visiting teachers supplement the regular staff. All laboratory, library, and regular facilities are available. The standards prevailing during the summer session are the same as those maintained during the regular school year.

The courses for the summer session are planned to meet the needs of students who are enrolling in college for the first time, those who are attending the summer session in order to accelerate their college program, and teachers who are working for one of the degrees offered by the college or for certification requirements. The courses are arranged so that students may take classes which meet for the first term, for the second term or the full nine week session.

Special and Evening Classes

Special and evening classes are offered during the regular

school year to the regular students and the public. These courses are given on the campus in the late afternoon and early evening. Upon demand, however, certain courses may be given in other cities.

These courses are primarily given for students working for a degree or for those interested in a particular field. If there is a sufficient demand for any course not listed in the curriculum, the new courses will be added to the program. All requests for additional courses should be directed to the Dean of the College.

Music Preparatory Department

As a service to the Parkland area, the College offers instruction in piano for young beginners up to college age.

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Requirements for Degrees

The College desires to provide for each student the educational experiences which will be of most value to him. For this reason, at Pacific Lutheran College the often-separated aims of "liberal" and of "professional" or "vocational" education are brought into mutually helpful relation to each other.

Pacific Lutheran College, a liberal arts college, granting degrees in liberal arts, education, medical technology and nursing education, also offers preparatory courses for students of engineering, dentistry, law, medicine, parish work, social work, and theology.

Pacific Lutheran College offers courses leading to the degrees of Bachelor of Arts, Bachelor of Arts in Education, Bachelor of Science in Medical Technology, Bachelor of Science in Nursing, Bachelor of Education and Master of Arts (in Education).

A candidate for a bachelor's degree must present academic credit in approved courses amounting to 128 semester hours, except in Nursing Education where it is 136, and a minimum grade point average of 2.00 except in Education where it is 2.25.

The candidate must meet the general requirement of one year in residence and must have earned a minimum of thirty

semester hours at Pacific Lutheran College during his senior year. A minimum of forty semester hours of upper division courses earned in the junior and senior years is required.

The student must accept full responsibility for meeting all graduation requirements.

BACHELOR OF ARTS DEGREE

Freshman-Sophomore Requirements: 64 semester hours credit at the end of the sophomore year.

1. English Composition and Literature. Requirement: 9 hours.
Composition 101, 102 (6 semester hours) is required of all freshmen. Any three-hour course in literature will complete this requirement, but in most programs it is advisable to complete this requirement by the end of the sophomore year.
2. Fine Arts. Requirement: 3 hours.
This requirement may be met by a course in Art or Music. Applied music courses will not meet this requirement.
3. Foreign Languages. Requirement: 14 hours.
All students must have a minimum of fourteen semester hours of classical or modern language in high school and college combined. Students who present two units in one classical or modern language at entrance are required to earn six additional credit hours in the same language. Students presenting four units in one language at entrance are not required to take a foreign language in college.
4. Health and Physical Education. Requirement: 4 hours.
Physical Education activities must be taken during the freshman and sophomore years.
5. Religion. Requirement: 8 hours.
Underclassmen must complete eight semester hours in Religion 101, 112, 201, 202.
6. Science. Requirement: 8 hours.
Before the end of the sophomore year, eight hours in one science is to be completed. This requirement may be satisfied by any one of the following year courses: Biology 101, 102 or 131, 132 or 141, 142; Chemistry 105, 106 or 107, 108; Geology 101, 102; Physics 261, 162.
7. Social Studies. Requirement: 15 hours.
The fifteen hours required in Social Studies must be taken in the departments of Economics and Business Administration, Geography, History, Political Science, Psychology and/or Sociology. A year course (six hours) in history is required. The remaining nine hours must include work in at least two departments other than history. Only courses in economic theory in the department of Economics and Business Administration will be accepted.

In order to fulfill these requirements, it is suggested that normally a freshman will take a program of courses comparable to this: Religion 101, 112; Composition 101, 102; Social Studies

or Mathematics (6 or 10 hours); Science (8 or 10 hours); Language (6 or 8 hours); P. E. (2 hours).

Junior-Senior Requirements: 64 semester hours credit to bring the total for the degree to a minimum of 128 credit hours.

1. Philosophy. Requirement: 3 hours.

This requirement may be met by Philosophy 201, 312 or 301 and 302.

2. Major Requirements.

The selection of the field of concentration must be made by the end of the sophomore year. The choice must be approved by the department concerned and the Dean of the College. The approval form may be obtained at the Registrar's Office. It is recommended that students desiring advice about the selection of a major see the Dean of the College. The general minimum requirements, as well as the specific number of hours, for a major are determined by the department concerned. A major is a sequence of courses within one department.

a. At least twelve hours of the work for a major must be taken during the junior and senior years. Six hours of the major must be taken in the senior year.

b. The quality of work must be C or better. Any student receiving a grade of D may count the credit toward graduation but not toward the major.

3. Minor Requirement.

A minor field of concentration is also required. The minor consists of fifteen hours or more of work taken in a single field of study outside the major department, the program to be approved by the major adviser in accordance with the regulations of the minor department. It is recommended that the minor be chosen outside a student's major field of concentration in order to provide a broader and more thorough educational background. The scholarship requirements for majors are also applicable to minors.

BACHELOR OF ARTS IN EDUCATION

The Bachelor of Arts in Education curriculum requirements as listed below meet the certification pattern in the state of Washington for the Provisional General Certificate. This certificate must be renewed each year on the basis of teaching experience or additional training. It must be converted to the Standard General Certificate upon the completion of at least one year of teaching plus an additional year of college training. The additional year of college work must begin before the third year of teaching and be completed before the sixth year. Experienced teachers working toward the principal's credential and those wishing to convert or renew certificates will find opportunities to fulfill requirements.

The department will assist, in every possible way, those students or experienced teachers wishing to follow the certification pattern in other states.

Requirements for Degrees

Freshmen and sophomores planning to enter the education field should counsel with the members of the department concerning their plans and programs.

Curriculum Requirements

General Education

*ART

Introduction to Fine Arts 101 or
Fundamentals of Art 1113 hours

ENGLISH

Composition 101, 1026 hours
Literature elective3 hours

**MUSIC

Fundamentals of Music 101 or
Music Survey 1203 hours

PHILOSOPHY

Introduction to Philosophy 201 or
Ethics 3123 hours

HEALTH AND PHYSICAL EDUCATION

Physical Education Activity4 hours
Men: 107, 108, 109, 110
Women: 101, 102, 103, 104
or Men and Women: 201, 202, 203, 204.
Prerequisites: 2 hours from the courses listed above.
Health Essentials 2103 hours

PSYCHOLOGY

General Psychology 1013 hours

RELIGION

Life of Christ 1012 hours
History of the Christian Church 1122 hours
The Bible—Old Testament 2012 hours
The Bible—New Testament 2022 hours

***SCIENCE

Introduction to Biological Science 1214 hours
Introduction to Physical Sciences 1224 hours

*—Students planning to be elementary teachers should elect Art 111.

**—Students planning to be elementary teachers should elect Music 101.

***—Students planning to concentrate in this area should not enroll for these courses without the consent of the department concerned.

SOCIAL STUDIES

World Geography 101	3 hours
History of Western Europe 103, 104 or American History 203, 204	6 hours
The Pacific Northwest 210	2 hours
Elective: Economics, Political Science, or Sociology.....	3 hours

SPEECH

Fundamentals of Speech 101	3 hours
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Professional Courses

EDUCATION

Introduction to Education 202	4 hours
Human Development 301	3 hours
Methods and Observation 311	4 hours
Teaching of Reading 312	2 hours
Teaching of Arithmetic 319	2 hours
Principles of Guidance 370	2 hours
Curriculum, Methods, Materials and Student Teaching 461 ab or cd	5 hours
Student Teaching 463 a, b, c or d.....	9 hours

Broad Area of Concentration (40 sem. hr. min.)

Areas of Concentration are to be organized around the following centers:

1. Fine and Applied Arts—including art, music, and commercial.
2. Health and Physical Education.
3. Language Arts—including composition, foreign language, journalism, literature, and speech.
4. Science and Mathematics—including biological and physical sciences and mathematics.
5. Social Studies—including history, sociology, political science, economics, and geography.

Areas of Concentration may be planned in any one of the following options:

- Option 1. 40 hours are selected from one area of concentration; not more than 24 semester hours in one department to be supported by work from other departments in the same area of concentration.
- Option 2. 40 hours are selected from (not more than 24 in one department) two areas of concentration; 24 to 28 semester hours in one area and 12 to 16 hours in another area of concentration.
- Option 3. 40 hours are selected from three areas of concentration; a minimum of 12 hours from each area. Work should not be in more than two departments in each area of concentration. Professionalized subject matter (see page 42) must be used as one area. If this area is chosen Art 325 or 425 and Music 340 are required.

Course Planning

Freshman

	semester hours
English 101, 102—Composition.....	6
History 103, 104—History of Western Europe or 203, 204—American History	6
Religion 101, 112—Life of Christ and History of the Christian Church	4
*Science 121—Introduction to Biological Science.....	4
122—Introduction to Physical Sciences.....	4
Speech 101—Fundamentals of Speech	3
Electives	3
P. E. Activity	2

Sophomore

**Art 101—Introduction to Fine Arts or 111—Fundamentals of Art	3
Education 202—Introduction to Education	4
Geography 101—World Geography	3
History 210—The Pacific Northwest	2
†Music 101—Fundamentals of Music or 120—Music Survey	3
Health and P. E. 210—Health Essentials	3
Psychology 101—General Psychology	3
Religion 201, 202—The Bible—Old Testament and The Bible—New Testament	4
English Elective	3
Social Studies Elective—May be in the field of Soc., Pol. Sci. or Econ.	3
P. E. Activity	2

Junior

Education 301—Human Development	3
Education 311—Methods and Observation	4
Education 312—Teaching of Reading	2
Education 319—The Teaching of Arithmetic	2
Electives	22

Senior

Education 370—Principles of Guidance	2
Education 461 ab or cd—Curriculum, Methods, Materials and Student Teaching	5
Education 463 a, b, c, or d—Student Teaching.....	9
Philosophy 201—Introduction to Philosophy or 312—Ethics	3
Electives	11

Total 128 hours

*—Students planning to concentrate in this area should not enroll for these courses without the consent of the department concerned.

**—Students planning to be elementary teachers should elect Art 111.

†—Students planning to be elementary teachers should elect Music 101.

Areas of Concentration

Fine and Applied Arts

The Fine and Applied Arts area includes Art, Music, and Economics and Business Administration.

Program Option I

Under Option I 40 semester hours are required with not more than 24 semester hours devoted to one department in the area. Concentrations in this area are offered in Art (Program 1), Music (Programs 2 and 3), Economics and Business Administration (Programs 4 and 5). The balance of the work carried in this area should include one of the following: Program a, b, c, d or e.

Program 1—Art

REQUIRED: Art 111, 112, 210, 215, 219, 311, 312 or 315 or 316, 325, 411, 412.

Program 2—Music

REQUIRED: Music 111, 112, 120, 341 or 342, 340 or 440f, plus four hours of private study and four hours of choir, chorus, band, orchestra or madrigal singers.

ELECTIVES: Six hours.

RECOMMENDED: Program a, c, or d as a supporting combination.

Program 3—Music Education and Theory

REQUIRED: Music 111, 112, 211, 212, 243 or 244, 341 or 342, 340 or 440f. Program e as a supporting combination.

ELECTIVES: Six hours.

Program 4—Commercial-Secretarial

REQUIRED: EBA 142, 143, 144, 211, 212, 241, 243, 244, 342.

Program 5—Commercial Accounting

REQUIRED: EBA 142, 143, 144, 211, 212, 241, 311, 342.

Program a—Art

REQUIRED: Art 111, 215, 219, 325, 412.

ELECTIVES: Four hours.

Program b—Music

REQUIRED: Music 111, 112, 120, 340 plus four hours of private study and two to four hours of choir, chorus, band, orchestra, or madrigal singers.

ELECTIVES: Six hours.

Program c—Commercial-Secretarial

REQUIRED: EBA 142, 143, 144, 241, 243.

Program d—Commercial-Accounting

REQUIRED: EBA 142, 211, 212, 241, 311.

Program e—Applied Music and Art

REQUIRED: Art 111 plus eight hours of private study in music and eight hours of choir, chorus, band, orchestra, or madrigal singers.
This program applicable only to those taking Program 3.

Program Option II

Students with a major concentration in Fine and Applied Arts are required to complete 24 to 28 hours in one of the following: Art (Program 1), Music (Program 2 or 3), Economics and Business Administration (Program 4 or 5). No more than 24 hours can be allowed in one department.

Students with a minor concentration in an area other than Fine and Applied Arts, with the exception of Music Program 3, take a minor concentration of 12 to 16 hours. Programs a, b, c, d, or e may be selected.

Program 1—Art

REQUIRED: Same as Option 1, Program 1.

Program 2—Music

REQUIRED: Same as Option 1, Program 2.

Program 3—Art and Music

REQUIRED: Twenty-four hours.

Program 4—Commercial-Secretarial

REQUIRED: EBA 142, 143, 144, 211, 212, 241, 243, 244, 342.

Program 5—Commercial-Accounting

REQUIRED: EBA 142, 143, 144, 211, 212, 241, 311, 342.

Program a—Art

REQUIRED: Art 111, 215, 219, 325, 412.

ELECTIVES: Four hours.

Program b—Music

REQUIRED: Music 111, 112, 120, 340 or 440f, plus four hours of private study. Two to four hours of choir, chorus, band, orchestra, or madrigal singers.

Program c—Commercial-Secretarial

REQUIRED: EBA 142, 143, 144, 241, 243.

Program d—Commercial-Accounting

REQUIRED: EBA 142, 211, 212, 243, 311.

Program Option III

In the area of Fine and Applied Arts under Option III, 12 to 14 hours are required in one of the following programs:

Program 1—Art

REQUIRED: Art 111, 215, 219, 325, 412.

ELECTIVES: Three hours.

Program 2—Music

REQUIRED: Same as Option II, Program b.

Program 3—Art and Music

REQUIRED: Art 111, 215, 325, Music 111, 340 or 440f, piano or voice.

Health and Physical Education

The Health and Physical Education area includes courses offered in the department of Health and Physical Education.

Program Option II

Students with a major concentration in Health and Physical Education are required to complete 24 hours in this area using Program I.

Students with a major concentration in an area other than Health and Physical Education take the minor concentration (Program a) of 12 to 16 hours.

Program 1—Health and Physical Education

REQUIRED: Men—Physical Education 210, 274, 292, 312 or 363, 322, 341, 345, 450, 497, and two hours selected from 270, 271, 272, 273. Biology 161, 162 also required.

Women—Physical Education 210, 290 or 312, 292, 322, 333, 341, 345, 450, 497. Biology 161, 162 also required.

ELECTIVES: Men—four hours.

Women—two hours.

Program a—Health and Physical Education

REQUIRED: Men—Physical Education 210, 292, 341, 345, 363.

Women—Physical Education 210, 290, 292, 312, 333, 341, 345.

ELECTIVES: Men—four hours selected from 270, 271, 272, 273, 274, 346, 450, 465.

Women—two hours selected from 346, 450, 465.

Program Option III

In the area of Health and Physical Education under Option III, 12 to 14 hours are required.

Program 1—Physical Education

REQUIRED: Thirteen hours including Physical Education 210, 292, 312, 341, 345.

ELECTIVES: Two hours selected from Physical Education 333, 346, 363, 450, 465.

Language Arts

The Language Arts area includes Composition, Foreign Languages, Journalism, Literature, and Speech.

Program Option I

Under Option I, 40 semester hours are required with not more than 24 semester hours devoted to one department in the area of concentration. Concentrations in this area are offered in Literature (Program 1), Speech (Program 2), and German (Program 3). Supporting work carried in this area should include one of the following: Program a, b, c, d, or e.

Program 1—Literature

REQUIRED: Twelve hours selected from English 233, 234, 251, 252, 341, 342; English 302 and 440c or 440d.

ELECTIVES: Ten hours (at least six hours to be upper division courses.)

RECOMMENDED: Program c, d, or e listed below as a supporting combination.

Program 2—Speech

REQUIRED: Speech 101, 104, 250 and six hours from 221, 256 or 270.

ELECTIVES: Nine hours.

RECOMMENDED: Program a or b as a supporting combination.

Program 3—German—16-24 hours determined by number of units earned in high school.

REQUIRED: German 101, 102, 201, 202, 301, 302, 351, 352, 401, 402.

RECOMMENDED: Program a, b, or e as a supporting combination.

Program a—Literature

REQUIRED: Twelve hours selected from English 233, 234, 242, 251, 252, 341, 342; English 302 and 440c or 440d.

ELECTIVES: Upper division courses.

Program b—Composition and Literature

REQUIRED: Six hours selected from English 233, 242, 251, 252, 341, 342, 384. Two hours selected from English 321, 440c, 440d. Six to eight hours selected from English 217, 218, 302, 404, 418, or Journalism.

Program c—Composition and Speech

REQUIRED: Seven hours of advanced composition and Journalism and nine hours of Speech and Drama.

Program d—Speech

REQUIRED: Sixteen hours of Speech and Drama.

Program e—Foreign Languages

REQUIRED: Sixteen hours of French, German or Latin.

Program Option II

Students with a major concentration in Language Arts are

required to complete 24 to 28 hours in one of the following: Literature (Program 1), German (Program 2) or Speech (Program 3). No more than 24 hours can be allowed in one department.

Students with a major concentration in an area other than Language Arts may take a minor concentration of 12 to 16 hours. Programs a or b may be selected.

Program 1—Literature

REQUIRED: Twelve hours selected from English 233, 234, 251, 252, 302, 341, 342; and two hours from English 321, 440c or 440d.

ELECTIVES: Four to six hours of upper division electives in Literature or six hours from English 217, 218, 404, 418 or Journalism. Balance of the work to be taken in the field of Speech.

Program 2—German (Possible only for a student offering two years of high school German).

REQUIRED: Sixteen hours in the same sequence as under Option I.

ELECTIVES: Nine hours selected from English 233, 242, 251, 252, 341, 342, 383 or 384; or six hours from the above group, plus four hours from English 217, 218, 302, 404, 418, or Journalism. Students electing this program are urged to add English 321, 440c, 440d to the required courses.

Program 3—Speech

REQUIRED: Fifteen to eighteen hours.

ELECTIVES: Nine hours.

Program a—Literature or Literature and Composition

REQUIRED: Nine hours selected from English 233, 242, 251, 252, 341, 342, 383 or 384; or six hours from the above group, plus four hours from English 217, 218, 302, 404, 418, or Journalism. Students are urged to add English 321, 440c, 440d to the required courses. Balance of the work to be taken in Speech.

Program b—Speech and Literature

REQUIRED: Speech 101, 104, and 250.

ELECTIVES: Six hours selected from English 233, 242, 251, 252, 341, 342, 383 or 384; or six hours from English 217, 218, 302, 404, 418, or Journalism.

Program Option III

In the area of Language Arts under Option III, 12 to 16 hours are required in one of the following programs:

Program 1—Literature or Composition and Literature

Same as Program a, Option II.

Program 2—Speech and Literature or Composition

Same as Program b, Option II.

Program 3—Literature-Speech Combination

REQUIRED: Six hours selected from English 233, 242, 251, 252, 341, 342, 383 or 384, and six hours from Speech.

Sciences and Mathematics

The area of Science and Mathematics includes Biology, Chemistry, Geology, Physics, and Mathematics.

Program Option I

Under Option I, 40 semester hours are required with not more than 24 semester hours devoted to one department in the area of concentration. Concentrations in this area are offered in Biology (Program 1), Chemistry (Program 2), Mathematics (Program 3), and Physics (Program 4).

Program 1—Biology

REQUIRED: Biology 131, 132 and 141, 142 or 101, 102 and Chemistry 105, 106 or 107, 108.

ELECTIVES: Eight hours from courses above 200.

RECOMMENDED: Physics 261, 262, Geology 101, 102 or General Science 122.

Program 2—Chemistry

REQUIRED: Chemistry 105, 106 or 107, 108, and 201, 202, 321, 322.

RECOMMENDED: Physics 261, 262; Mathematics 151; and General Science 121.

Program 3—Mathematics

REQUIRED: Eighteen hours subject to the approval of the department.

RECOMMENDED: Mathematics 106; Physics 261, 262; Chemistry 105, 106 or 107, 108; General Science 121.

Program 4—Physics

PREREQUISITES: Higher algebra, solid geometry and one year of high school chemistry.

REQUIRED: Physics 261, 262 and 311; Mathematics 151, 200 and 201, 202 or 251, 252; General Science 121.

ELECTIVES: Upper division courses in physics, General Science S136.

Program Option II

Students with a major concentration in Science and Mathematics are required to complete 24 to 28 hours in one of the following: General Science (Programs 1a and 1b), Biology (Program 2), Chemistry (Program 3), Physics (Program 4), or Mathematics (Program 5). No more than 24 hours can be allowed in one department.

Students with a major concentration in an area other than Science and Mathematics may take a minor concentration of 12 to 16 hours. Programs a, b, c, or d may be selected.

Program 1a—General Science

PREREQUISITE: Mathematics 101.

REQUIRED: Biology 101, 102 or 131, 132, and 141 or 142; Chemistry 105, 106 or 107, 108; Physics 261, 262.

Program 1b—General Science

REQUIRED: General Science 121; Chemistry 105, 106, or 107, 108; Physics 261, 262; and Mathematics 101, 106 and/or 151.

Program 2—Biology

REQUIRED: Biology 101, 102 or 131, 132 and 141 or 142; Chemistry 105, 106 or 107, 108.

ELECTIVES: Four hours upper division Biology courses.

RECOMMENDED: Physics 261 or General Science 122 or Geology 101.

Program 3—Chemistry

PREREQUISITE: Mathematics 101, General Science 121.

REQUIRED: Chemistry 105, 106, or 107, 108, 201, 321.

ELECTIVES: One course chosen from Mathematics 151, Chemistry 202 and Physics 261.

Program 4—Physics

PREREQUISITE: Higher algebra, solid geometry and (preferably) one year of high school chemistry.

REQUIRED: Physics 261, 262, 311; Mathematics 151, 200 or equivalent.

Program 5—Mathematics

REQUIRED: Twenty-four to twenty-six hours including a minimum of sixteen hours in Mathematics approved by the department.

RECOMMENDED: Physics 261, 262.

Program a—Biology

REQUIRED: Twelve to 16 hours chosen from Biology 101, 102, 131, 132, 141 or 142; and General Science 122.

Program b—Chemistry

REQUIRED: Twelve to 16 hours chosen from Chemistry 105, 106 or 107, 108; 201, 202 or 321, 322.

Program c—Mathematics

REQUIRED: Twelve to sixteen hours in Mathematics approved by the department.

Program d—General Science and/or Mathematics

Twelve to 16 hours in Science and Mathematics selected to give maximum breadth of preparation. Courses selected and total hours are subject to approval of science departments and will vary depending upon high school background of the individual student.

Program Option III

In the area of Science and Mathematics under Option III 12 to 16 hours are required under the following program.

Program 1—General Science

Same as Program d, Option II.

Social Studies

The Social Studies area includes History, Political Science, Sociology, Economics, Geography, and Psychology.

Program Option I

Under Option I, 40 semester hours are required with not more than 24 semester hours devoted to one department in the area of concentration. Concentrations in this area are offered in History (Program 1) and General Social Studies (Program 2).

Program 1—History

REQUIRED: History 103, 104, 203, 204, 210 plus Economics 101, Geography 101, Political Science 101 or 251 or 301, Sociology 101.

ELECTIVES: Ten hours in History, plus four hours of the Social Sciences.

Program 2—General Social Studies

REQUIRED: History 103, 104, 203, 204, 210, plus Economics 101, Geography 101, Political Science 101 or 251 or 301, Sociology 101, and Psychology or Sociology 441.

ELECTIVES: Eleven hours to be taken from not more than two of these fields—Economics, Political Science, Psychology or Sociology. A minimum of eight hours must be taken in one field.

Program Option II

Students with a major concentration in Social Studies are required to complete 24 to 28 hours from Program 1. No more than 24 hours can be allowed in one department.

Students with a major concentration in an area other than the Social Studies area may take a minor concentration of 12 to 16 hours from Program a.

Program 1

REQUIRED: History 103, 104, 203, 204, 210, Political Science 101 or 251 or 301, Sociology 101, Economics 101, Geography 101.

Program a

REQUIRED: Eight hours of History and six to eight hours of Political Science, Economics, or Sociology.

Program Option III

In the area of Social Studies under Option III, 12 to 16 hours are required.

Program 1—History and Political Science

REQUIRED: Twelve hours.

Program 2—Sociology and Economics

REQUIRED: Twelve hours.

Program 3

REQUIRED: Twelve hours selected from any two fields of Social Studies.

Professionalized Subject Matter

Program Option III

In the area of Professionalized Subject Matter under Option III, a minimum of 12 hours is required.

*Art—325 Art in the Elementary School
425 Classroom Art Techniques

Education—312 The Teaching of Reading
315 Instructional Materials
319 The Teaching of Arithmetic
413 Science in the Elementary School
414 Social Studies in the Elementary School
416 Parent-Teacher Conference
423 Language Arts in the Elementary School
426 Primary Reading
429 Diagnosis of Reading Problems
442 Speech for the Classroom Teacher

English—321 Children's Literature
421 Advanced Children's Literature

*Music—340 Music in the Elementary School

Physical Education—312 Physical Education in the Elementary School
341 Methods in Folk Games
342 Problems in Teaching Rhythmics

BACHELOR OF EDUCATION OR FIFTH YEAR

Upon the completion of the requirements for the fifth year a student may receive the Bachelor of Education degree providing he has taken 30 semester hours beyond the bachelor's degree with at least 15 hours in graduate or upper division. Any credit used toward this degree cannot apply toward the master's degree.

To be eligible to complete the fifth year or the Bachelor of Education Degree the student shall meet the following requirements.

1. Have fulfilled the requirements for the provisional general certificate in the State of Washington.
2. Have and maintain a minimum grade point average of 2.25.
3. Be a teacher in good standing.

*—Required for Option III.

4. Have fulfilled resident and credit requirements at Pacific Lutheran College for a degree.

The fifth year of teacher education is to follow a period of one year of initial teaching experience. The student must complete a minimum of eight semester hours in residence before beginning the third year of teaching. The total thirty hours must be completed before beginning the sixth year of teaching.

If the first teaching is for a part of a year only, college study taken the next summer may be applied with permission of the department.

The student may choose the institution in which he wishes to take this advanced work as follows:

1. If he chooses to work at Pacific Lutheran College or any other of the teacher education institutions in this state, that institution shall be responsible for recommending him for the Standard General Certificate upon successful completion.
2. If he wishes to undertake the fifth year in an out-of-state institution, his pre-service institution will be responsible for recommending him for the Standard General Certificate. The student must secure general approval of his plan from his pre-service institution in advance.

There are four provisions governing the fifth year pattern of work, according to State Board regulations:

1. The fifth college year must include a minimum of thirty semester hours of which at least fifty per cent must be upper division and/or graduate courses.
2. No more than eight semester hours of extension and/or correspondence study may be approved as a part of the thirty semester hours in the student's fifth year program.
3. One semester of the fifth college year must be taken in residence in the recommending institution in the State of Washington or a single institution if out-of-state. A transfer student who wishes to be recommended by Pacific Lutheran College must take a minimum of twenty hours in residence.
4. The student may take twenty of the required thirty semester hours prior to or during the first year of teaching experience.

Following are requirements and procedures for the approval of fifth year programs of work:

1. The courses Education 557—Evaluation, or its equivalent, and Education 571—School Guidance Program or its equivalent, are required.
2. Any courses recommended for the individual student previous to the granting of his degree. These courses may be recommended by the Dean and either the area adviser or the department of education. Courses must emphasize general education and areas of concentration as well as professional fields.
3. The remainder of the program of studies for this year of college work is to be selected by the student with the guidance of those who have worked with him during his period of initial teaching and the advisers in the recommending institution.
4. The student will need to secure approval of the recommending institution for work taken in other institutions before the work is begun.

For those who choose to do their fifth year work at Pacific Lutheran College, consideration will be given to the desires and needs in the light of the evidence from the school system in which they had experience and from evidence of their pre-service preparation.

Some of the work taken during the fifth year may also apply toward the M.A. degree for those who meet the requirements. A student must not plan that these two curricula shall coincide. The program as set up for the fifth year shall take precedence and must be finished first.

REQUIREMENTS FOR THE MASTER OF ARTS

Admission Requirements

A graduate of any accredited college or university may be accepted for admission to graduate study if his undergraduate record is satisfactory. This record must be better than average in general education and superior in the fields of specialization in which the student wishes to concentrate in his graduate work. An applicant whose grade point average during his last year of college was below 3.0 will not be considered for graduate status until he has demonstrated his ability to do graduate work. A minimum of one semester's work with a grade point of 3.0 at Pacific Lutheran College will be required before the student can be considered for graduate status.

His acceptance to graduate status is determined by the Dean of the College and the Director of Teacher Education.

General Requirements

1. A minimum of one year's teaching experience.
2. A minimum of 30 semester hours of work taken in residence with a grade point average of 3.0 in both the major and the minor.
3. Six semester hours of graduate work may be taken at another institution provided that approval has been given by his Graduate Committee.
4. The major must be in the department of education. Twenty to twenty-two hours, including a thesis or research as specified below, are required.
5. Minors are offered in the departments of art, biology, chemistry, economics and business administration, English, history, music, sociology, and speech. Eight to ten hours are required for this minor. A student wishing to minor in other departments may complete the work at another institution if he has the approval of his Graduate Committee.
6. All work for the M.A. degree must be completed within five years after acceptance by the Graduate Committee.

Concentrations in Education are offered in the fields of Elementary Classroom Teaching, Guidance, and Administration and Supervision. A candidate electing either of the first two fields must take at least 10 semester hours in the field chosen. For the field of Administration and Supervision, candidates should see the course requirements as set forth in the M.A. brochure or the pamphlet descriptive of the program leading to the Principal's Credential (available on request).

Procedure

A student desiring to apply for admission to graduate work should indicate his intention on the appropriate form before or during the first session of his registration in graduate courses. His acceptance to graduate status is determined by the Dean of the College and the Director of Teacher Education. His graduate committee, composed of the Dean of the College, the Director of Teacher Education, the Research Problems Director, and the chairman of the department of the minor field, will supervise his graduate program after his acceptance. His degree program should be approved by his committee not later than the second session of registration as a graduate student.

As an integral part of his Master's program, the student is required to show that he can do independent research. For pur-

poses of this research, he may elect to follow one of two plans, namely, complete a thesis or write two or three research papers. Whichever plan he elects to follow, before embarking on his research, the candidate should present an outline of his proposed research to his committee for approval. This research outline should follow a prescribed plan obtainable from the Research Problem's Director. The candidate's research must be presented in final form to the graduate committee for its approval. This may be done during the final year, but must be done at least six weeks before the awarding of the degree. If he follows the first plan, the student should register for Education 559 Thesis, at the beginning of the semester which precedes the one in which he takes his degree. Here he may elect to earn three to four credits. If he follows the second plan, the student should register for Education 558 Individual Research at the beginning of the semester preceding the one in which he takes his degree. In the latter case the research may all be done in his major field or partly in the major and partly in the minor. Also, under the latter plan, he must earn a total of not less than two and not more than four credits.

Under the thesis plan, the student is required to submit two typewritten copies of his thesis (to be bound later), the original for deposit in the college library and the first carbon copy for the major department. Under the research paper plan, the student must deposit typewritten copies of each paper with the major department.

The candidate is required to take a written comprehensive examination over the required courses (Ed. 505, Ed. 551) and the area of concentration of his major field, and an oral examination on his thesis or research. The examination over the major area of concentration will be under the direction of the Research Problems Director and must be successfully passed not later than eight weeks prior to commencement. The final examination over the thesis or research will be under the direction of the graduate committee and must be completed not later than four weeks prior to commencement.

The graduation fee and fee for binding the thesis must be paid in the Business Office not later than four weeks before commencement.

Requirements for Principal's Credentials

*The candidate for the principal's credentials will be guided by the following:

1. He must meet graduate standards for the Master's degree.

*—Details of the program are available at the College upon request.

2. He must work toward the provisional and principal's credentials at his chosen level. To receive this it is required that he have completed work for his standard general teaching certificate plus six semester hours.
3. He must complete experience and study requirements for the standard credential at his chosen level. To receive this he needs to have (1) had administrative experience, (2) earned a minimum of eight more semester hours, and (3) earned his M.A. degree.

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Students who desire to take a course in Medical Technology (laboratory technician) may complete three years of college work at Pacific Lutheran College and spend their fourth year (12 months) in a technical laboratory affiliated with this college. Upon successful completion of the course, the degree of Bachelor of Science in Medical Technology will be conferred. The graduate is eligible to take the examination given by the Registry of Medical Technologists of the American Society of Clinical Pathologists.

The Medical Technology Curriculum

Freshman Year	Hrs.	Sophomore Year	Hrs.
Biology 131, 132	8	Biology 161, 162.....	8
Chemistry 105, 106 or 107, 108	8	Chemistry 201, 202.....	8
English 101, 102	6	Music or Art.....	3
History 103, 104 or 203, 204.....	6	Sociology 101	3
Religion 101, 112.....	4	Literature	3
P.E. 101, 102 or 107, 108.....	2	Psychology	3
	34	Religion 201, 202.....	4
		P.E. 103, 104 or 109, 110.....	2
			34
Junior Year	Hrs.	Senior Year (Hospital Lab.)	Hrs.
Biology 201	4	Bacteriology and Parasitology....	5
Biology Elective	4	Basal Metabolism	1
Chemistry 321, 322.....	8	Blood Grouping	4
Philosophy 201 or 312.....	3	Biochemistry	8
Social Study Elective.....	3	Hematology	6
Electives (Upper Division).....	10	Histologic Technique	4
	32	Immunology and Serology.....	2
		Urinalysis	2
			32

Students entering college without three semester hours of high school algebra will be required to register for Mathematics 51 during the Freshman Year.

BACHELOR OF SCIENCE IN NURSING

Pacific Lutheran College offers a 45-month curriculum leading to the degree Bachelor of Science in Nursing. A student admitted to this program must be approved by the department during her freshman year on campus in order to continue in the program. In order to receive this approval she must:

1. Have ideals and personality qualities which make for a successful nurse.
2. Have satisfactorily completed a series of screening tests including scholastic aptitude, achievement, interest and personality tests.
3. Have a satisfactory grade point average during her freshman year.

This clinical program requires two years and one summer quarter and is spent at the Emanuel Hospital, Portland, Oregon, and other health agencies where the student receives her professional educational experience. She completes her senior year on campus.

Students wishing to transfer into this program from some other collegiate program must meet the requirement for transfer as established by the Washington State Board of Professional Nurse Registration.

Freshman Year

College		Campus	Hours
		Hours	Hours
Biology 161, 162, 201.....	12	Psychology 101	3
Chemistry 101, 102.....	6	Religion 101 or 112.....	2
English 101, 102.....	6	Sociology 101	3
Nursing 102	1	Physical Education 101, 102 or 103, 104	2

Sophomore and Junior Years

In Clinical Division (27 Months)

Hours			Hours		
	Theory	Experience		Theory	Experience*
Nursing 201	1		Nursing 327	3	
Nursing 203	6		Nursing 329	2	
Nursing 204		2	Nursing 331	3	
Nursing 208	1		Nursing 332		3
Nursing 210	2	1	Nursing 341	3	
Nursing 217	3		Nursing 342		3
Nursing 224		3	Nursing 351	3	
Nursing 225	3		Nursing 352		3
Nursing 226		3	Nursing 403	1	
Nursing 227	3		Nursing 428		3
Nursing 230	1	3	Electives		1.5
Nursing 240	1	1.5			
Religion 211	2				
Religion 212	2				

*Four weeks of supervised clinical experience are required for one semester credit hour.

Requirements for Degrees

Electives: During her clinical experience the student is required to take one elective, either 324 or 326, or she may elect to take Tuberculosis Nursing through the University of Washington School of Nursing, Seattle.

Senior Year
College Campus

Hours	Hours		
Fine Arts	3	Psychology 473, and one elective.....	5
English—elective	3	Religion—elective	2
History	6	Sociology—elective	3
Nursing 401, 402, 404.....	6	Speech—elective	3
Philosophy 312	3		

PROGRAMS FOR CAREERS

Preparation for Engineering

In line with the trend to augment engineering education with a liberal arts background, Pacific Lutheran College offers, in cooperation with certain affiliated universities, a 3-2 program of liberal arts and engineering. A student will spend three years at the College. If his work is of satisfactory grade he will, upon recommendation by the faculty, be accepted by one of the co-operating engineering schools (Oregon State College, Stanford University, University of Denver, or Carnegie Institute of Technology at Pittsburgh). At the close of his first year of engineering, he will be eligible for the Bachelor of Arts degree from Pacific Lutheran College. At the completion of his second year of engineering, he will receive his degree in engineering from the affiliated college or university.

Any student who is interested in engineering and has been accepted for admission to Pacific Lutheran College may register in the pre-engineering courses. To qualify for the 3-2 engineering program, however, he must meet certain specific requirements.

Entrance requirements: In order to qualify without deficiency, entering freshmen must have had three semesters of high school algebra, one year of geometry, and one year of either physics or chemistry. He must be proficient in the use of the English language, both reading and writing, and two years of a foreign language is highly recommended.

Freshman record: All pre-engineering students are screened during their sophomore year by a committee from the science faculty and only those who, by their scholastic record, character, and personality indicate that they are capable of doing satisfactory work in the engineering field are accepted for the 3-2 program. To qualify for the 3-2 program students should maintain an academic average of B or better.

Prospective engineering students who have deficiencies from high school should either (1) make up such deficiencies in summer school before matriculation at Pacific Lutheran College, or (2) plan to attend summer school after their freshman year at college, or (3) plan to take more than three years to complete their pre-engineering program.

The program for the first two years is the same for all branches of engineering. Electives for the third year must be chosen to meet the requirements for the particular engineering school and the branch of engineering chosen.

Suggested sequences of courses.

Freshman Year	Hrs.	Sophomore Year	Hrs.
Chemistry	8	General Engineering 151, 152.....	4
English Composition 101, 102.....	6	History	6
Fine Arts	3	Mathematics 201, 202	6
General Engineering 101.....	2	Physics 261, 262.....	10
Mathematics 151, 200	8	Religion	4
Religion 101, 112.....	4	P. E. Activity.....	2
P. E. Activity.....	2		
	<hr style="width: 50px; margin: 0 auto;"/>	Total	<hr style="width: 50px; margin: 0 auto;"/>
Total	33		32

Junior Year

Econ. & Bus. Admin. 101, 102.....	6	Science Electives	12-16
English (Literature Elective).....	3	Social Science Elective:	
Philosophy 312	3	Psych. 101 or Geog. 101.....	3
Physics 342	4	Speech	3

Preparation for Law

The best law schools require at least two years of Liberal Arts as a foundation for professional study. Three or four years of Liberal Arts are regarded as excellent preparation for the study of law. In addition to the degree requirements the prospective law student is advised to include in his program at least one additional course in economics, history, philosophy, political science, psychology, sociology and speech. The student should plan his course according to the requirements of the law school in which he is interested.

Preparation for Medicine and Dentistry

Students desiring to enter the medical or dental professional fields should plan to devote not less than three years, and preferably four years, of study to secure the broad educational background indispensable to a successful professional career. The professional schools in these fields require a thorough preparation in science. They also recommend extensive study in other departments, such as the social science and humanities.

The student should acquaint himself with the detailed requirements of the professional school of his choice. The following courses will meet the minimum requirements of most medical and dental schools: Biology 131, 132, 361, 364; Chemistry 105, 106, 201, 202, 321, 322; Physics 261, 262 and English 101, 102.

Preparation for Parish Education

Students desiring to enter parish work are encouraged to obtain the broad general education leading to the Bachelor of Arts degree.

Experience reveals that a parish worker is requested to perform duties in more than one field. Her responsibilities may be centered in one or more of these major areas: the education work of the church, the directing of youth activities, church visitation, office and secretarial work, or directing the music activities of the church.

During the freshman-sophomore years students entering the parish education course are advised to complete all general requirements listed under Bachelor of Arts requirements. Besides the six hours in history required in the area of social studies, the student is required to include Sociology 101, 102 and Psychology 101. If the student has not had a course in typewriting in high school, she should complete the elementary course during the freshman or sophomore year.

Junior-senior requirements include the following specific courses:

EBA 142	2	Religion 225, 227, 301.....	7
Music 421 or 422.....	2	Sociology 332 or 431, and 435.....	6
Philosophy 201 or 312.....	3	Speech 101	3
Psychology 321	3		

Strongly recommended courses include Art 325; EBA 241, 341; Education 301, 311; Music 150; Philosophy 352; P E 210; Psychology 421; Religion 331; Sociology 445.

The recommended major fields of concentration are Religion, Sociology, and Music, although majors in EBA, English, and History are also approved.

A minor field of concentration is required. This requirement may be met by work taken in any of the departments listed above or in the Department of Education.

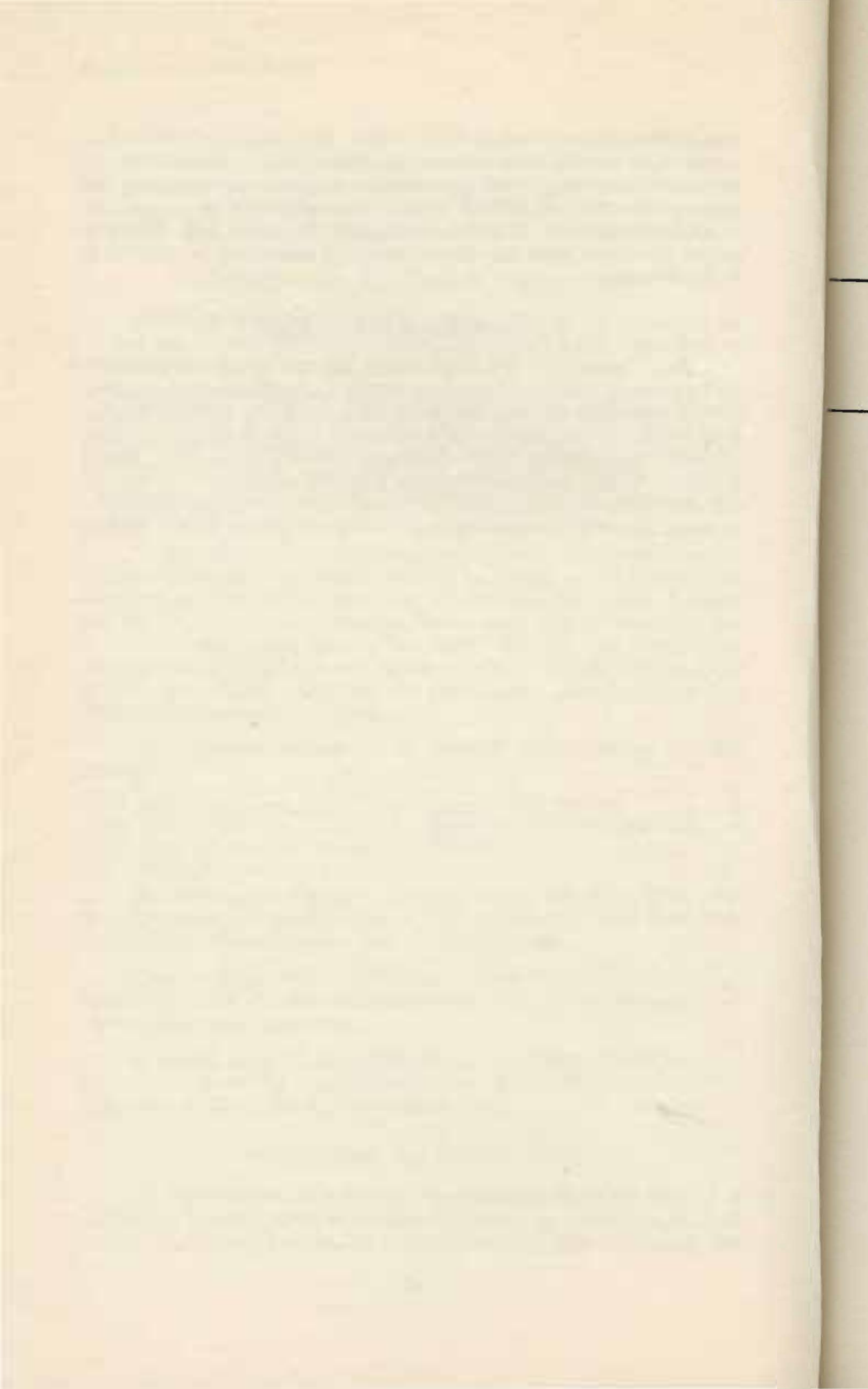
Preparation for Social Work

In addition to completing the regular requirements for a degree in Liberal Arts, students expecting to enter the field of social work should plan for a well-rounded preparation in the

social sciences and some basic work in biology. Prospective workers in church and general agencies should concentrate on courses in sociology and psychology, while those planning for government service should add a concentration in economics or political science. Students expecting to enter this field are asked to confer with the Department of Sociology in regard to their programs.

Preparation for Theology

As a broad cultural foundation for the study of theology and entrance into the Gospel ministry, a pre-theological student should complete the requirements for a Bachelor of Arts degree. Besides the general degree requirements a student is urged to supplement his program with additional courses in English, social sciences, speech and classical and modern languages. A faculty adviser will assist the student in the selection of courses necessary to meet the requirements of the theological school of his choice.



Courses of Instruction

In the following pages will be found descriptions of the courses of instruction. While most of the courses listed are given every year, a system of alternating upper division subjects is practised in some departments, thereby assuring a broader offering.

Courses open to freshmen and sophomores are numbered 101-299 and are considered lower division subjects. Courses open to juniors and seniors are numbered 300-499 or above and are regarded as upper division subjects. Courses numbered 500 are open to graduate students only. An S before the number refers to courses given during the summer session only.

The student should have his entire program made up of subjects in the division in which he classifies. In exceptional cases sophomore students may be assigned to an upper division course if the prerequisites for the course have been met.

Courses with odd numbers are usually offered the first semester and courses with even numbers are usually offered the second semester.

The College reserves the right to modify specific course requirements, to discontinue classes in which the registration is regarded as insufficient, and to withdraw courses.

ART

Mr. Roskos, Mr. Kittleson, assisted by Mrs. Paine, Mr. Pflueger

The aim of this department is to offer instruction and guidance to those who desire to give expression to their creative ability in the actual practice of art, to those who wish to study art for its cultural value, to those who plan to teach in elementary, junior or senior high school.

Requirements for a major in art are 27 credit hours including Art 111, 112, 210, 215, 219, 311, 312 or 316, 315, 411, 412 and electives to complete requirements.

Requirements for a minor are 15 credit hours including Art 111, 112, 411, 412 and electives to complete requirements.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Art, should follow the course outline as listed in the section on Requirements for Degrees.

101. INTRODUCTION TO FINE ARTS *Either semester. Three hours*
Principles of aesthetics; the understanding and appreciation of beauty as it appears in the various arts.
111. FUNDAMENTALS OF ART *Either semester. Three hours*
This is a course giving the basic fundamentals of art, including a thorough study of proportion, values, composition, perspective, and color theory, which are necessary for creative expression. Media are pencil, charcoal, water colors, and pastel. Six hours laboratory per week.
112. DRAWING AND PAINTING *Two hours*
This is a concentrated course of study in the drawing of the human figure, color and composition, and water color techniques. Prerequisite: Art 111. Four hours laboratory per week.
210. CREATIVE DESIGN *Two hours*
Attention is concentrated on the principles of design which are developed through the study of line, mass, color, and space relationships. The work is planned so as to develop appreciation and to stimulate originality in the actual creation of good design. Four hours laboratory per week.
211. OIL PAINTING WORKSHOP *Two hours*
A course for beginners as well as for those wishing advanced study and criticism in oil painting techniques. Upper division upon consent of instructor.
215. CLAY MODELING *Two hours*
This is a course in the various methods of modeling in clay. Application of these methods is made to pottery and small figures. Individual instruction is given in plaster casting. Four hours laboratory per week.

219. POSTER DESIGN *Two hours*

Principles of lettering and letter construction with a brief history of the alphabet. This is followed by the planning of the layout and painting of posters and a concentrated study of the reproduction of posters by the silk screen process. Four hours laboratory per week.

311, 312. OIL PAINTING *Two hours per semester*

Pictorial arrangements of still-life, figure, and landscape work rendered in oils. Emphasis placed on composition, values, color, and brush technique. Prerequisite: Art 111, 112. Four hours laboratory per week.

315. SCULPTURE *Two hours*

This course is concerned with sculptural form and concentrated study in mass and space relationship. Media are clay, plaster, cement, wood and steel. Prerequisite: Art 215.

316. ADVANCED CLAY MODELING *Two hours*

Emphasis on individual study of form and design in pottery including an experimental study of the composition of bodies and glazes.

325. ART IN THE ELEMENTARY SCHOOL *Two hours*

A course planned for those who intend to teach art in the elementary grades. Appropriate projects in drawing, design and construction are worked in various media to illustrate the types of work which are suitable to the interests and abilities of these pupils. Prerequisite: Preferably Art 111. Four hours of combined lecture and laboratory.

411, 412. HISTORY AND APPRECIATION OF ART *Three hours per semester*

The course is planned to increase the student's appreciation of works of art. In the first semester a general survey is made of architecture, sculpture, and painting from the pre-classical arts through the arts of the Renaissance. In the second semester a similar survey is made from the Renaissance through the twentieth century.

415. SPECIAL PROBLEMS *Two to four hours*

A course planned for advanced students majoring in art who wish to secure greater proficiency in any particular field in which the student feels more training is needed.

425. CLASSROOM ART TECHNIQUES *Two hours*

All media common to the classroom are studied for full use manipulation and techniques. Also media not so common to the classroom are studied. Four hours laboratory per week. Formerly listed as Elementary School Art Workshop.

440a. ART IN THE SECONDARY SCHOOL *Two hours*

A course planned for those who intend to teach in the secondary grades. Planned similarly to Art 325. Four hours combined lecture and laboratory per week. Prerequisite: Art 111 or consent of instructor.

BIOLOGY

*Mr. Strunk, Miss Ford, Mr. Knudsen, Mr. Ostenson, assisted by
Mr. Leraas*

The work in this department is designed to (a) give to the student a broad knowledge and cultural appreciation of the world of living things; (b) provide a sound training for teachers who enter the biological sciences; (c) establish a biological foundation for practical work in fields such as agriculture, forestry, fish and wildlife, bacteriology, entomology and other related fields; (d) lay an adequate foundation for students who desire to enter the fields of medicine, dentistry, veterinary medicine, medical and hospital technology, nursing, health education; (e) prepare students for graduate and research fields in the biological sciences.

A major consists of a minimum of 24 hours, at least 12 hours in the upper division courses. Required supporting subjects for the major are one year of Chemistry; one year of Mathematics. Chemistry 321, 322 and Physics 261, 262 are strongly recommended. Students planning to major in Biology should not register for Biology 101, 102.

A minor consists of a minimum of 15 hours.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Biology, should follow the course outline as listed in the section on Requirements for Degrees.

- 101, 102. GENERAL BIOLOGY *Four hours per semester*
A general consideration of the most important principles and facts of the science of living things. Two lectures and two laboratory periods per week.
- 131, 132. COLLEGE ZOOLOGY *Four hours per semester*
A survey of the animal kingdom and of fundamental biological principles. Two lectures and two laboratory periods per week.
- 141, 142. COLLEGE BOTANY *Four hours per semester*
A survey of the plant kingdom, structure first semester, life history second semester. Two lectures and two laboratory periods per week.
154. THE FLOWERING PLANTS *Two hours*
Field studies of the flowering plants of the region. Not to be counted toward a major or minor in Biology.
- 161, 162. HUMAN ANATOMY AND PHYSIOLOGY *Four hours per semester*
A study of the structure and the functions of the human body. The course is designed to meet the needs of pre-nursing students and majors in Physical Education. Two lectures and two laboratory periods per week.

201. **MICROBIOLOGY** *Four hours*
Bacteria, yeasts, molds, viruses, and other microorganisms, their characteristics and their role in the home, medicine, agriculture and industry. Two lectures and two laboratory periods per week. May be taken for upper division credit by juniors or seniors with instructor's consent. Prerequisite: One of the following courses: 102, 132, 142 or 161.
203. **THE SPRING FLORA** *Two hours*
A course dealing with the local spring flora.
- S221. **BIOLOGICAL TECHNIQUES** *Two hours*
Methods of collecting and preserving biological materials for classroom and research study. May be taken for upper division credit by juniors and seniors with instructor's consent. Prerequisite: 102, 132 or 142.
222. **CONSERVATION OF NATURAL RESOURCES** *Two hours*
The conservation of natural resources in the United States. May be taken for upper division credit with consent of instructor.
231. **GENETICS** *Three hours*
A study of the laws of inheritance and special application to man. May be taken for upper division credit with consent of instructor. Prerequisite: Science 121 or Biology 102, 132 or 142.
- S235. **BIOLOGY OF THE SEASHORE** *Four hours*
A course especially designed for teachers. Not to be counted toward a major or minor.
242. **SYSTEMATIC BOTANY** *Three hours*
The identification and classification of the seed plants represented in the local flora. May be taken for upper division credit by juniors and seniors with instructor's consent. One lecture and two laboratory periods per week. Prerequisite: Biology 102 or 142.
274. **MICROTECHNIQUE** *Two hours*
Principles and practice in methods of preparing histological, embryological and cytological specimens for microscopic study. May be taken for upper division credit with consent of instructor. Prerequisite: Biology 102, 132, or 162.
311. **ORNITHOLOGY** *Two hours*
A study of the birds, with emphasis on local forms. Designed for students with a hobby interest in birds as well as for advanced students in biology. Prerequisite: Biology 102, 132 or consent of instructor.
323. **NATURAL HISTORY OF INVERTEBRATES** *Four hours*
The classification, anatomy, natural history and importance to man of the invertebrates. Lectures, laboratory studies and field collections. Prerequisite: Biology 102 or 132.
324. **NATURAL HISTORY OF VERTEBRATES** *Four hours*
Classification, natural history and economic importance of the vertebrates with the exception of birds. Lectures, laboratory studies and field collections. Prerequisite: Biology 102 or 132; 361 recommended.

Courses of Instruction

344. PLANT PHYSIOLOGY *Three hours*
A study of the plant's internal mechanism. One lecture and two laboratory periods per week. Prerequisite: Biology 102 or 142.
- S351, S352. NATURAL HISTORY OF THE PACIFIC NORTHWEST
Three hours per semester
An extensive field and laboratory course covering major phases of the natural history of the region. Lectures, laboratory studies and field work. Not to be counted toward a major or minor in Biology. Prerequisite: Instructor's consent.
361. COMPARATIVE ANATOMY *Four hours*
A comparative study of vertebrates with dissection of representative forms. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132.
364. VERTEBRATE EMBRYOLOGY *Four hours*
A study of the development of vertebrates. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132; 361 recommended.
371. PARASITOLOGY *Four hours*
A study of the morphology, life histories and host-parasite relationships of the common varieties of parasites of vertebrates with emphasis on those of man. Prerequisite: Biology 102 or 132.
372. GENERAL ENTOMOLOGY *Four hours*
The classification, natural history, economic importance and control of insects. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132.
411. HISTOLOGY *Four hours*
A microscopic study of the tissues and organs of vertebrates. Two lecture and two laboratory periods per week. Prerequisite: Biology 132 and 361 or 364.
424. ECOLOGY *Three hours*
A study of plants and animals in relation to their environment. Two lectures and one laboratory period per week. Prerequisite: Biology 132 and 142.
432. COMPARATIVE PSYCHOLOGY *Three hours*
A course devoted to the neurological basis of animal reactions with emphasis on the mechanics of adjustment to heat, light, chemical and mechanical stimulation. Prerequisite: Instructor's consent.
441. GENERAL PHYSIOLOGY *Four hours*
A course designed to acquaint the student with the fundamental principles of physiology. Prerequisite: Instructor's consent.
471. HISTORY OF BIOLOGY *Two hours*
Rise and development of zoological theories and laws. Prerequisite: Biology 102, 132 or 142 or instructor's consent.

- 497, 498. INDEPENDENT STUDY *One to two hours per semester*
Investigations in fields of special interest may be carried out by those students majoring in Biology who have demonstrated their ability to do independent work. Open to majors only. Prerequisite: Consent of the department head.
510. GRADUATE SEMINAR *One to three hours*

CHEMISTRY

Mr. Ramstad, Mr. Holum, Mr. Olsen

A major requires 24 hours. In addition, a year of physics, college algebra and trigonometry are required of all students majoring in chemistry. A year of biology is also recommended.

Preparation for graduate study or the chemical profession must include: Chemistry 105, 106 or 107, 108; 201, 202; 321, 322; 431, 432; 497 and 498. Supporting subjects: Mathematics 151, 200 and 201.

A minor requires 16 hours.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Chemistry, should follow the course outline as listed under Teacher Education in the section on Requirements for Degrees.

101. GENERAL AND INORGANIC CHEMISTRY *Three hours*
Open to non-majors. Two lectures and one laboratory period per week.
102. ORGANIC AND BIOCHEMISTRY *Three hours*
Open to non-majors. Two lectures and one laboratory period per week.
- 105, 106. GENERAL INORGANIC CHEMISTRY *Four hours per semester*
The fundamental chemical theories; the chemistry of the non-metallic and metallic elements. Two lectures, one quiz, and two laboratory periods per week. Open only to students who have not had high school chemistry.
- 107, 108. GENERAL INORGANIC CHEMISTRY *Four hours per semester*
The fundamental chemical theories; the chemistry of the non-metallic and metallic elements. Two lectures, one quiz, and two laboratory periods per week. Open to students who have had chemistry in high school.
201. QUALITATIVE ANALYSIS *Four hours*
Two lectures and two laboratory periods per week. Prerequisite: Chemistry 106 or 108.

202. QUANTITATIVE ANALYSIS *Four hours*
Volumetric and gravimetric methods. Two lecture and two laboratory periods per week. Prerequisite: Chemistry 201.
- 321, 322. ORGANIC CHEMISTRY *Four hours per semester*
A discussion of important classes of aliphatic and aromatic compounds. Chemical and physical properties are correlated by means of elementary molecular orbital theory and modern concepts of reaction mechanisms. Laboratory work in the study of conventional and modern techniques, and in the synthesis and study of typical organic compounds. Three lectures and four hours of laboratory per week. Prerequisite: Chemistry 106 or 108.
422. ORGANIC QUALITATIVE ANALYSIS *Four hours*
Methods of identifying organic compounds. A study of theories and mechanisms of substitution and elimination reactions. Two class discussions and six hours of laboratory per week. Designed for prospective graduate students and chemists. Prerequisite: Chemistry 202, 322.
- 431, 432. PHYSICAL CHEMISTRY *Four hours per semester*
A study of fundamental theory of chemical reaction and measurement of physical properties of chemical agents. Two lecture and two laboratory periods per week. Offered 1959-60. Prerequisite: Chemistry 202 and Math 201 or equivalent.
- 497, 498. INDEPENDENT STUDY *One or two hours per semester*
Open to students majoring in chemistry. Arrangements to be made by the department.
- Offered on demand.*
- S505. INORGANIC PREPARATIONS *One to three hours*
A study of small scale production of inorganic compounds.
- S512. ORGANIC PREPARATIONS *One to three hours*
An advanced study in applications of organic synthesis.
- S520. HISTORY OF CHEMISTRY *Two hours*

ECONOMICS AND BUSINESS ADMINISTRATION

*Mr. Dizmang, Mr. Faulk, Miss Moore, Mr. Tetlie, Mr. Thompson
assisted by Mr. Hoff*

The aim of the department is to provide a broad general training in basic business subjects in the Christian liberal tradition and some opportunity for specialization to the extent required to start a career in business immediately upon graduation. At least one area of interest as listed below should be tentatively identified in the sophomore year so that proper sequence of courses may be arranged.

The courses offered in each special area of interest are as follows:

Accounting: 211, 212, 311, 312, 313, 314, 315.

Economics: 101, 102, 273, 304, 331, 434.

Finance: 162, 261, 361, 362, 365, 366.

Industrial Relations: 321, 421, 422.

Marketing: 272, 273, 371, 372, 373.

Secretarial Science: 141, 142, 143, 144, 241, 243, 244, 342, 354.

Major: A minimum of 30 credit hours, including 101, 102, 211, 212, and 452 and six semester hours from the following: 361, 391, 392, 441. The requirements should be taken as follows: Freshman, 101 and 102; Sophomore, 211 and 212; Junior, 361, 391, 392 and 441; and Senior, 452. Majors may be exempt from the foreign language requirement.

Minor: A minimum of 15 credit hours including 101 and 211.

- 101, 102. PRINCIPLES OF ECONOMICS *Three hours per semester*
National income, employment, and prices; economic growth, markets and the price system, theory of the firm, structure of industry, distribution of income, the public economy, cycles, the international economy.
103. BUSINESS MATHEMATICS *Two hours*
Review of arithmetic processes, decimals, percentages; interest and discount, trade discounts, markups. Not to be counted toward a major or minor.
141. BEGINNING TYPEWRITING *Two hours*
Touch typewriting, skill and speed building exercises, letter writing, reports, manuscripts; for those who have never had typewriting before and who do not know the keyboard. Five hours of classwork per week.
142. ADVANCED TYPEWRITING *Two hours*
Review of fundamentals, development of speed and accuracy; production work in business forms, reports, and manuscripts. Four hours of classwork per week. Prerequisite: EBA 141 or equivalent high school typewriting.
143. BEGINNING SHORTHAND *Three hours*
Gregg shorthand, emphasis on reading, writing, dictation and beginning transcription; no credit for one semester—must be followed by EBA 144. Five hours of classwork per week.
144. INTERMEDIATE SHORTHAND *Three hours*
Intensive review of fundamentals, emphasis on speed in reading and copying. Five hours of classwork per week. Prerequisite: EBA 143 or equivalent.

162. BUSINESS FINANCE *Three hours*
Dividend policy, expansion of the firm, failure and reorganization, instruments of finance, bonds and stocks, investment banking, promotion, short and long term financing.
201. INTERMEDIATE ECONOMIC ANALYSIS *Three hours*
National income accounts, monetary theory, income theory, price theory, distribution of income, Keynesian analysis.
- 211, 212. ELEMENTARY ACCOUNTING *Three hours per semester*
Balance sheet, income statement, the accounting cycle, accrued and deferred items, asset valuation, corporation accounting, manufacturing accounts, analysis of financial statements.
241. BUSINESS COMMUNICATION *Three hours*
Letters of application, letters of inquiry, orders, follow-up, credits and collections, devices, reports, publications, rules and instructions, minutes of meetings. Prerequisite: EBA 141 or equivalent.
243. ADVANCED SHORTHAND *Three hours*
Continuation of intermediate shorthand; study cycle emphasizes spelling, style, vocabulary building, speed drills, phrasing, sustained speed building and transcription speed building. Four hours of classwork per week.
244. DICTATION *Three hours*
A terminal course for graduating seniors; stress is placed on a high competence in dictation and transcription, designed to meet high secretarial employment standards. Four hours of classwork per week.
261. INVESTMENTS *Two hours*
Place of investment in economy, financial information, stock markets and brokers, financial analysis, risks of investment, investment policies and management, investment companies. Offered Fall 1959 and alternate years.
272. MARKETING *Three hours*
The principles, methods, and problems of marketing; marketing functions; marketing of raw materials and manufactured goods; middlemen, channels of distribution, costs, price policies, brands.
273. CONSUMER ECONOMICS *Two hours*
Consumption and production; consumer demand; consumer saving including life insurance, home ownership, and investments; consumer education; intelligent buying; technology and consumption; the problems of consumers.
304. HISTORY OF ECONOMIC THOUGHT *Three hours*
Mercantilism, physiocracy, Adam Smith, classical thought, Ricardo, the optimists, nationalists, and historical schools; socialist thought, the Austrian school.

311. 312. **INTERMEDIATE ACCOUNTING** *Three hours per semester*
Fundamental processes, working capital items especially inventories, non-current items with emphasis on investments and plant and equipment accounts, corporate capital, analytical processes. Prerequisite: EBA 212.
313. **FEDERAL TAX** *Two hours*
Personal and corporate income tax, capital gains, social security; federal estate and gift taxes, principal emphasis on the federal income tax. Prerequisite: EBA 212. Offered Fall 1958 and alternate years.
314. **AUDITING** *Two hours*
The theory, procedures, and practices of auditing as they apply to the major balance sheet accounts; discussion and problems of generally accepted methods of verification used by CPA's. Prerequisite: EBA 212. Offered Spring 1959 and alternate years.
315. **COST ACCOUNTING** *Three hours*
Principles of cost accounting, job lot and process systems. Managerial control through cost accounting, procedures, standard costs, estimated costs, and cost accounting systems. Prerequisite: EBA 212. Offered Fall 1959 and alternate years.
321. **LABOR PROBLEMS** *Three hours*
A study of the history, nature and treatment of labor problems in the United States. Among the topics discussed are employment and unemployment; wage problems; collective bargaining; unions and employer associations; industrial unrest and conflict. Offered Spring 1960 and alternate years.
331. **FOREIGN TRADE** *Three hours*
Methods and problems of foreign trade; international agencies for economic cooperation. Offered Fall 1958 and alternate years.
342. **SECRETARIAL PROCEDURE** *Three hours*
Fundamentals of office procedures, uses of devices, skills, business ethics, attitudes, objectives and opportunities; for students planning to become professional secretaries. Prerequisites: One year of Shorthand and one year of Typewriting.
351. **BUSINESS ORGANIZATION AND MANAGEMENT** *Three hours*
Fundamental concepts and principles of organizational structure and management; development of work standards and methods; and incentive compensation plans.
352. **PRODUCTION MANAGEMENT** *Three hours*
Organization structure, location, physical facilities, plant and equipment layout, time and motion study, material and production control, quality control.
354. **OFFICE MANAGEMENT** *Three hours*
Principles of organization and supervision, physical facilities, equipment, flow of work, business forms, business machines, filing, evaluation and standards.

361. MONEY AND BANKING *Three hours*
Money and credit, inflation, Federal Reserve System and charts, commercial banks, monetary theory and policies, foreign exchange, consumer credit, building credit and agricultural credit.
362. PUBLIC FINANCE *Three hours*
Federal, state, and local taxation; public expenditures—defense, social security; taxes—income, excise, property, death, gift; budgets, fiscal policies, debt management. Offered Spring 1959 and alternate years.
365. REAL ESTATE *Three hours*
The city, land and buildings, legal forms, real estate market, appraisal, financing real estate, public interest, property development and management, location theory.
366. INSURANCE *Three hours*
An introduction to the underlying principles of insurance followed by a descriptive study of the practices in the more important branches of the insurance business.
371. ADVERTISING *Three hours*
The theory of advertising, problems involved, methods and media used; layout, typography, and copy writing; social and economic aspects. Offered Fall 1959 and alternate years.
372. RETAILING *Three hours*
Problems of retailing from the standpoint of different classes of retailers, study of underlying principles, buying, stock control, ethical and legal phases. Prerequisite: EBA 272. Offered Spring 1959 and alternate years.
373. SALES MANAGEMENT *Three hours*
Principles of salesmanship, the prospect, the salesman, the product; sales demonstrations, management of sales departments, planning, quotas, control. Offered Fall 1958 and alternate years.
374. TRANSPORTATION *Two hours*
A general survey of rail, water, highway, air, and pipeline transportation, place in society, services, traffic associations, freight classifications and tariffs, routes, rates, regulations. Offered Spring 1960 and alternate years.
- 391, 392. BUSINESS LAW *Three hours per semester*
Procedures, contracts, negotiable instruments, business organizations, property, agency, trusts and wills, transportation, insurance and employment.
421. PERSONNEL MANAGEMENT *Three hours*
A survey of procedures used in obtaining and maintaining an efficient working force.
422. COLLECTIVE BARGAINING *Two hours*
The principles of collective bargaining are studied through the medium of actual cases from American industry dealing with the negotiation and application of union management agreements. Offered Spring 1959 and alternate years.

434. GOVERNMENT AND BUSINESS *Two hours*
A study of the relationship of government and business in the United States with special attention to governmental regulation of business. Offered Fall 1958 and alternate years.
441. STATISTICAL METHODS *Three hours*
See Psychology 441.
452. BUSINESS POLICY *Two hours*
Policy formulation by business managements, requiring the over-all integration of the various aspects of business; students must be graduating seniors with a business major.
457. PUBLIC ADMINISTRATION *Three hours*
See Political Science 457.
497. MAJOR CONFERENCE *One hour*
498. MAJOR CONFERENCE *Two hours*
499. MAJOR CONFERENCE *Three hours*
Individual problems and assignments, group conferences and research reports, with special attention to the techniques of writing reports.

EDUCATION

Miss Nielsen, Mr. Carlson, Mr. A. Hagen, Mr. Pederson, Miss Runbeck, Mr. Sjøding, Mr. Scott; assisted by Miss Caldwell, Mrs. Keblbek, Mrs. Nicholson, Mr. Springer.

The general objective of this department is to aid in the development of professional elementary and secondary teachers with liberal and scientific education integrated within a Christian frame of reference. The department regards itself as sharing this objective, as well as means and responsibility for attaining it, with the college as a whole and with each activity of the college, as set forth in the statement of the philosophy of the college. Contributory understandings, abilities, and attitudes are

Understandings of the obligations of the teaching profession to guide children and youth in the pursuit of knowledge and skills, to help them to become happy, useful, and self-supporting citizens, and to prepare them in the ways of democracy.

Understandings of the economic, political, social, psychological, and philosophical aspects of education.

Understandings of and ability to function in the roles of the teacher as a director of learning, a counselor and guidance worker, a mediator of the culture, a link with

the community, a member of a school staff, and a member of the profession.

Understandings of research techniques and ability to use them.

Attitudes conducive to conscientious professional work and carefully planned experimentation.

Attitudes conducive to continuous evaluation and revision of means and ends.

Candidates for a Bachelor of Arts Degree in Education follow the program as outlined on page 33.

For a minor in education 16 hours are required, including Education 202, 301, 311 or equivalents.

Admission to Teacher Education

A candidate for the Bachelor of Arts in Education must be approved by the department during the fourth or fifth semester of his college course. In order to receive this approval he must:

1. Have completed successfully the course in Introduction to Education. (A cumulative grade point average of 2.25 and a satisfactory (C) rating in English 101 and 102 is required before registration.)
2. Have completed satisfactorily a series of screening tests including scholastic aptitude, achievement, interest, and personality.
3. Have received approval of speech and voice.
4. Have ideals and personality qualities which make for successful teaching.
5. Have a clearly defined purpose or goal.
6. Have selected a preferred level of preparation and the area or areas of concentration to be followed.
7. Have received final approval following an individual conference with representatives of the department. This conference is held after screening tests have been completed and profiles set up.

September Experience

Each student preparing for teaching must spend a minimum of two weeks in a public school prior to the opening of the college year in which he is to do his student teaching. The purpose of

this September Experience is to give the student the opportunity to experience the opening and organization of a classroom at the beginning of a school year. This experience may be in his home town if arrangements are made with the education department to do so; however, the students themselves are responsible for making arrangements with the education department prior to their senior year.

Graduate Courses

Courses in both the subject matter fields and education are offered each semester in the late afternoon and evening as a part of the regular program. A greater selection of courses is offered in the summer. This is especially true in the field of education.

Student Teaching

A successful experience in student teaching is vital to the student in teacher education. It is therefore recommended that the student carry only fourteen semester hours during this semester. It is also recommended that outside work or college activity be kept to a minimum. Students who for some reason cannot abide by these recommendations must get special permission from the education department.

202. INTRODUCTION TO EDUCATION *Four hours*
A survey of educational problems and issues to orient new students to the profession. A study of the State Manual and a "project" involving actual experience with children is included. Special tests and interviews are scheduled for the guidance of the prospective teacher.
301. HUMAN DEVELOPMENT *Three hours*
A study of the developmental process of the human organism beginning with the prenatal period and continuing through adolescence. Emotional, social, intellectual, and physiological aspects of development are included. Students will have opportunity to do both longitudinal and cross-sectional type observations. Prerequisite: Psychology 101. Students in the teacher education program should complete Education 202 prior to 301.
305. CHILD PSYCHOLOGY *Three hours*
See Psychology 305.
307. PUBLIC SCHOOL SYSTEM *Two hours*
A survey of the school laws of Washington as they affect the management and administration of the school. Also consideration of practical problems in classroom organization. Not open to students who have completed Education 202.

- 311 a, b. and cd. METHODS AND OBSERVATION *Four hours*
A study of curriculum, materials and methods of teaching at the various levels from primary through high school. Observations in actual school situations followed by discussion.
Those who wish to prepare primarily for kindergarten and primary elect 311a; those for intermediate and upper grade, 311b; and those for junior and senior high school, 311cd. Prerequisite: Education 202 and 301.
312. THE TEACHING OF READING *Two hours*
A comprehensive survey of the problems of teaching reading in all the grades. Effective materials, methods, techniques and procedures are studied.
315. INSTRUCTIONAL MATERIALS *Two hours*
A survey of audio and visual materials and aids, their use in the curriculum, and their organization and administration in the school.
319. THE TEACHING OF ARITHMETIC *Two hours*
An over-all study of the basic mathematical skills and abilities needed by the teacher in the elementary and junior high school. Practice in achievement tests in arithmetic and interpretation of scores for diagnostic purposes. Formerly given as Mathematics in the Elementary School.
353. PSYCHOLOGICAL TESTING *Two hours*
See Psychology 353.
370. PRINCIPLES OF GUIDANCE *Two hours*
A study of procedures used in helping the student achieve suitable goals in school and in society. Emphasis will be given in testing methods for solving various educational, personal and vocational problems for the student.
405. ADOLESCENT PSYCHOLOGY *Two hours*
See Psychology 405.
- S407. EDUCATIONAL SOCIOLOGY *Two hours*
See Sociology S407.
- 408, 409. READINGS IN EDUCATIONAL PROBLEMS *One to three hours*
Students who desire to pursue a special line of individual reading, investigation, or research may do so for credit, receiving help and guidance from the faculty member best qualified to assist in the particular problem. Credit will vary with the amount of work done.
412. THE BLIND CHILD IN THE PUBLIC SCHOOL *Two hours*
A course to help the teacher assist the blind child to adjust emotionally, socially, physically and educationally to the regular public school classroom situation. An introduction to English Braille is included.
413. SCIENCE IN THE ELEMENTARY SCHOOL *Two hours*
A course designed to acquaint the student with the objectives, materials and methods of teaching the sciences in an integrated program.

414. SOCIAL STUDIES IN THE ELEMENTARY SCHOOL

Two hours

A course designed to acquaint the student with the objectives, materials and methods of teaching the social sciences in an integrated program.

416. PARENT-TEACHER CONFERENCE

Two hours

A study of the principles and techniques of parent-teacher conferences. Procedures for introducing a parent-teacher conference program to the school and community. Evaluation of various grading systems. (Open only to experienced teachers and students who have completed or are taking student teaching.)

423. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL

Two hours

A course designed to give the elementary teacher, grades one through eight, an understanding of how to teach the language arts in a functional manner. The following skills will be considered: usage, listening, speaking, writing, spelling and vocabulary building. Open to experienced teachers.

425. CLASSROOM ART TECHNIQUES

Two hours

See Art 425.

S426. PRIMARY READING

Two hours

A study of the materials and methods of the modern reading program and its relation to other activities.

S428. KINDERGARTEN

Two hours

A study of the kindergarten child and his adjustment problems. Special emphasis on activities and procedures for his development.

S429. DIAGNOSIS OF READING PROBLEMS

Two hours

Causes, prevention, and correction of reading disability cases emphasized. Various types of reading disability cases diagnosed in class. Members of the class will diagnose, tutor, and compile a case study of a reading problem, preferably from their own school. Prerequisite: 312 or its equivalent.

431. ab and cd. TEACHER EDUCATION SEMINAR

One hour

This course brings together the college teachers and the classroom teachers from the public schools who are working with student teachers, so that they may build common understandings and goals toward which to work in the training of teachers. 531ab for elementary teachers and 531cd for secondary teachers.

S433. PRINCIPLES AND TECHNIQUES
IN SECONDARY EDUCATION

Four hours

Purposes, trends, current issues, and techniques in secondary education. An opportunity is provided for planning curricula on the secondary level, individually and cooperatively. Registration in this course is permitted only to those students wishing to meet special certification requirements. Not permitted for students who have had Education 311cd.

Courses of Instruction

- S436, S437, S438, S439. SUMMER WORKSHOPS *One to three hours*
Workshops in special fields held during the summer for varying periods of time.
440. SPECIFIC METHODS IN TEACHING SECONDARY SCHOOL SUBJECTS *Two hours*
Studies of the curriculum, methods and materials of instruction in the various fields of the secondary school curriculum. These courses are offered by different departments of the college as indicated below and may be taken for graduate credit.
- 440a. ART IN THE SECONDARY SCHOOL *Two hours*
See Art 440a.
- 440b. BUSINESS EDUCATION IN THE SECONDARY SCHOOL *Two hours*
- 440c. ENGLISH IN THE SECONDARY SCHOOL *Two hours*
See English 440c.
- 440d. LITERATURE IN THE SECONDARY SCHOOL *Two hours*
See English 440d.
- 440e. MATHEMATICS IN THE SECONDARY SCHOOL *Two hours*
- 440f. MUSIC IN THE SECONDARY SCHOOL *Two hours*
See Music 440f.
- 440g. SCIENCE IN THE SECONDARY SCHOOL *Two hours*
- 440h. SOCIAL STUDIES IN THE SECONDARY SCHOOL *Two hours*
- 440i. SPEECH IN THE SECONDARY SCHOOL *Two hours*
See Speech 440i.
- 440j. CHEMISTRY IN THE SECONDARY SCHOOL *Two hours*
441. STATISTICAL METHODS *Three hours*
See Psychology 441.
442. SPEECH FOR THE CLASSROOM TEACHER *Two hours*
See Speech 442.
- S445. TEACHING WORLD UNDERSTANDING IN THE ELEMENTARY SCHOOL *Two hours*
The psychology and sociology underlying the teaching of world understanding to children; implementation of these ideas in the curriculum; concrete plans for the classroom teacher's use.
- S447. DRIVER EDUCATION FOR INSTRUCTORS *Two hours*
A course planned to prepare teachers to conduct driver education classes in the public schools. The course includes practice teaching on a dual controlled automobile, lectures and demonstrations. A certificate of proficiency from the American Automobile Association is received by the students upon satisfactory completion of the course.

- S449. READING CENTER WORKSHOP** *Two hours*
Clinical study of reading problems and suggested corrective measures. To be taken concurrently with Education S469.
- 461ab or cd. CURRICULUM, METHODS, AND STUDENT TEACHING** *Five hours*
A course designed to give some knowledge, understanding and study of children, subject matter fields and materials in the student's lesser preferred teaching level plus student teaching on that level. The students who complete 463 a or b will enroll for 461cd; those who complete 463 c or d will enroll for 461ab.
- 463a,b,c or d. STUDENT TEACHING** *Nine hours*
Teaching in the public schools under the direction and supervision of classroom teachers and college teachers. Those preparing primarily for kindergarten and primary elect 463a; those for intermediate and upper grades, 463b; those for junior high school, 463c; and those for senior high school, 463d. Prerequisite: Education 311.
- 465. SPECIAL PROJECT** *One to five hours*
Students who desire additional supervised laboratory experience in public school classrooms may do so with special permission of the department.
- S468. LABORATORY WORKSHOP** *Three hours*
A practical course using children of elementary age in a classroom situation working out a specific problem. Provision will be made for some active participation of the college students. A conference with the instructor or the Director of Teacher Education will be required before registration can be completed.
- S469. DIRECTED TEACHING IN READING CENTERS** *Four hours*
Directed observation and teaching in summer remedial classes in public schools. To be taken concurrently with Education S449.
- 472. OCCUPATIONAL INFORMATION** *Two hours*
This course is designed for those who are interested in the vocational guidance of young people. Special emphasis is placed upon the sources, analysis, filing, and methods of disseminating occupational information.
- 473. INTRODUCTION TO COUNSELING** *Two hours*
See Psychology 473.
- 475. EMOTIONAL PROBLEMS OF CHILDREN** *Two hours*
Emphasis is placed on common emotional problems of school-age children and the teacher's role when these arise in the classroom. There is opportunity to visit local community agencies offering resources for help.
- S476. BEHAVIOR IN THE CLASSROOM** *Two hours*
A study of the means of building pupil-teacher relationships conducive to a good learning climate and to the development of responsible well balanced citizens. Prerequisite: Teaching experience or consent of the instructor.

Courses of Instruction

478. MENTAL HEALTH FOR TEACHERS *Two hours*
Primarily concerned with the adjustment of the teacher to the classroom situation. Some emphasis on the various mechanisms of adjustment.
501. HISTORY OF EDUCATION *Two hours*
A study of the history of education, Occidental and Oriental, with particular reference to its bearings on contemporary education.
505. PHILOSOPHY OF EDUCATION *Three hours*
A study of the relations of philosophy to education and of philosophical implications of educational theories and practices.
507. ADVANCED EDUCATIONAL PSYCHOLOGY *Two hours*
Principles and research in human learning and their implications for curriculum and instruction.
509. COMPARATIVE EDUCATION *Two hours*
A comparative study of the backgrounds, developments, trends, and problems of major national systems of education.
522. CORE CURRICULUM *Two hours*
A study of the philosophical background of the core curriculum and the methods of teaching applicable to the core. Special attention will be given to problem solving and the preparation of units of instruction.
546. CURRICULUM DEVELOPMENT *Two hours*
A study of types of curriculum organization and programs and techniques of curriculum development, with a view to preparing the student for his own work on curriculum problems.
548. THE GIFTED CHILD *Two hours*
A study of the gifted child; his characteristics and problems, and school procedures designed to further his development.
551. EDUCATIONAL RESEARCH *Two hours*
Methods and techniques employed in the investigation and report of educational problems. Some practice in research is provided.
557. EVALUATION *Two hours*
Evaluation of the outcomes of school experiences. Problems that arise in connection with development, organization, and administration of tests (both standardized and teacher made) will be studied. Required of all fifth year students. Prerequisite: Student teaching or teaching experience.
558. INDIVIDUAL RESEARCH *One to four hours*
For those M.A. candidates electing to write two or three research papers. (One research paper may be in the candidate's minor field written under the supervision of the minor adviser.) Candidates will be required to review their research papers for the Graduate Committee.

559. **THESIS** *Two to four hours*

For those M.A. candidates electing to write a thesis. The thesis problem will be chosen from the candidate's area of concentration. The candidate will be required to outline and defend his thesis in a final oral examination conducted by the Graduate Committee.

571. **SCHOOL GUIDANCE PROGRAM** *Two hours*

A survey study of the guidance program as organized and conducted by a public school system with emphasis on the role of the teacher.

572. **VOCATIONAL GUIDANCE** *Two hours*

A study of the techniques and procedures of vocational guidance and counseling. Topics emphasized are interviewing, tests necessary for study of vocational fitness, making and writing up interpretations from testing and other fact-finding devices, practice in writing case reports, sources of vocational information and classroom methods in vocational group guidance. Students are required to take representative tests and to give vocational guidance to at least one college undergraduate or high school student, such work to be performed outside of class under periodic supervision.

581. **PUBLIC SCHOOL ADMINISTRATION** *Three hours*

A beginning course for those students planning to enter the field of public school administration and supervision. Some consideration will be given to the role of the school board and superintendent, but major emphasis will be on the role of the principal as his work relates to children and youth, parents, teachers, and other school employees, buildings, transportation, and the community. Prerequisite: at least one year of teaching experience.

584. **PUBLIC RELATIONS** *Two hours*

Teaching and public school management critically studied for opportunities to improve public relations.

586. **SCHOOL FINANCE** *Two hours*

Local, state and federal contributions to school finance, its philosophy and development. Special emphasis on the development and administration of a school budget.

591. **HIGH SCHOOL ORGANIZATION AND ADMINISTRATION** *Two hours*

Current viewpoints and issues in planning and organizing the high school curriculum, schedule making, extra-curricular activities, teachers' meetings, pupil accounting and control, finance and reports. Prerequisite: Education 581.

S594. **ADMINISTRATION AND SUPERVISION WORKSHOP** *Four or five hours*

The projects discussed will chiefly be derived from the interests and needs of the students. Typical projects are curriculum planning and adjustment in line with present needs, public relation programs, personnel employment and in-service training, and financing building and educational programs. Prerequisite: One course in Administration and/or Supervision.

ENGLISH

*Mr. Ranson, Mr. Black, Miss Blomquist, Mr. Carlson, Mrs. Johnson,
Mr. Klopsch, Miss Knudson, Mr. Nesvig, Mr. Reigstad*

The courses in English are designed (1) to offer all students an opportunity to develop greater competency in the ordinary forms of writing and greater discernment in reading works of literature; (2) to provide limited training in journalistic, critical and creative writing; (3) to give men and women, regardless of their intended vocations, the rich interpretive insights into man's experience, together with the aesthetic values, that an intensive and extensive knowledge of literature affords; or (4) to provide training for teachers of English on all levels, including the preparation for graduate work leading to teaching in college.

For the major in literature in Liberal Arts at least 24 credit hours are required in addition to English 101 and 102. These shall include:

English 251 and 252 (or 251 and 484), 6 hours.

English 382 or 383 or 384 or 388 or 482, 3 hours.

English 341 or 342 or 389 or 483 or 484, 3 hours.

A second course from one of the last two groups, 3 hours.

Upper division electives, 9 hours.

Majors who plan to do graduate work should take 404, 497 and 498 in addition to the above requirements.

For the minor in literature at least 15 credit hours are required. These shall include six hours of English 233, 234, 242, 251 or 252. Of the remaining nine hours six must be upper division. Nine of the 15 hours must be in English or American literature.

For the minor in composition at least 15 credit hours are required. These shall include at least eight hours of English 217, 218, 302, 404 or 418 or Journalism and at least six hours of upper division electives in literature.

The requirements for majors and minors should be regarded as bare minimums. The student is urged to take additional courses, both lower and upper division, to round out his knowledge of the masterpieces of English and American literature and, to the extent possible, of world literature. At the beginning of his junior year the student's program should be planned in consultation with the major adviser to insure the best possible training in literature and in related fields.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of English should follow the course outline as listed in the section on Requirements for Degrees.

51. **REMEDIAL ENGLISH** *No credit*
A review of grammar, punctuation, mechanics. Students who fail in the English Placement Test are required to complete this course before being allowed to register for English 101. Three hours per week.
101. **COMPOSITION** *Three hours*
The course aims to train students to develop ideas accurately and effectively in the sentence, in the paragraph, and in extended written discussion. Essays are read and analyzed to provide models of good exposition, to stimulate thought and discussion, and to develop accuracy in reading.
102. **COMPOSITION** *Three hours*
A brief study of the technique of preparing a research paper. Otherwise, further work in expository writing combined with the study of representative works of exposition, fiction, drama and poetry.
- S103. **COMPOSITION WORKSHOP** *Two hours*
For students needing individual work upon elementary problems in writing exposition. Students planning to enter college in the fall or students at any point in their college work may register for this course.
203. **JOURNALISM** *Two hours*
A study of the principles of news writing and editing, and their application in the preparation of news copy; headline writing; proof reading.
204. **JOURNALISM** *Two hours*
Editorial and feature writing; a study of the various types of editorial and feature copy; column writing; make-up; laboratory work in connection with the **MOORING MAST** and **SAGA**.
208. **EDITORIAL CONFERENCE** *One to four hours*
Provides opportunity for the college publication staff to do practical research work on journalistic problems. Open to advanced students in journalism with consent of the instructor.
217. **THE SHORT STORY** *Two hours*
A study of the short story as a narrative form. Practice in writing short stories. (Upper division students may obtain upper division credit.)
218. **ADVANCED COMPOSITION** *Two hours*
Aimed to help the student develop greater accuracy, facility, clarity and effectiveness in the ordinary forms of written discourse. (Upper division students may obtain upper division credit.)
230. **AN APPROACH TO LITERATURE** *Either semester. Three hours*
A study of representative types of drama, poetry, essays and prose fiction. The aim of the course is to develop an appreciation of literature by considering the nature of the creative experience and the qualities and functions of literature as art. Not recommended for majors or minors in literature.

Courses of Instruction

- 233, 234. WORLD LITERATURE *Three hours per semester*
A reading course in the literatures of various nations, ancient, medieval, and modern. Intended to give pleasure and to develop an understanding of the foreign point of view. Readings, reports, lectures, discussions.
242. MAJOR AMERICAN WRITERS *Three hours*
Designed especially for students not majoring in English. Not recommended for those who plan to take 341, 342.
- 251, 252. LITERARY BACKGROUNDS *Three hours per semester*
A study of English classics from Beowulf to Hardy, emphasizing the work of the major writers, the development of literary forms, and their relation to the general cultural background.
302. THE ENGLISH LANGUAGE *Spring semester. Two hours*
A study of the development of the English language, plus intensive review of syntax and grammar.
321. CHILDREN'S LITERATURE *Fall semester. Two hours*
A short history of children's literature; a study of the literature for children in the lower grades; story telling.
332. THE CONTINENTAL NOVEL *Three hours*
A study of representative French, Russian, German, Scandinavian and Spanish novels of the nineteenth century.
- 333, 334. GREEK AND LATIN LITERATURE
IN TRANSLATION *Three hours per semester*
A study of such writers as Hesiod, Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Pindar, Plato, Thucydides, Longus, Theocritus, Apuleius, Plutarch, Plautus, Terence, Seneca, Virgil, Lucretius, Horace, Catullus, Juvenal, Cicero, Epictetus, Marcus Aurelius, Ovid. Strongly recommended for all English majors.
335. FOLKLORE AND FOLK LITERATURE *Two hours*
A study of folk literature with particular emphasis on the ballad and the folktale; some attention to related folk customs and beliefs.
- 341, 342. AMERICAN LITERATURE *Three hours per semester*
From Edwards to Hawthorne and Melville. From Whitman and Twain to World War I.
- S349. MODERN POETRY *Two hours*
A study of recent English and American poetry.
350. CONTEMPORARY LITERATURE *Three hours*
A study of selected works by major writers, chiefly English and American, representing main trends in poetry, fiction and drama from World War I to the present time.
357. ENGLISH DRAMA *Three hours*
Plays representing the development of drama from the sixteenth century to the nineteenth, exclusive of Shakespeare.

358. MODERN DRAMA *Three hours*
Selected plays representing the development of drama in the contemporary period: British, Continental, American.
382. CHAUCER *Three hours*
Especially *Troilus and Criseyde* and *The Canterbury Tales*. Some study will be made of the development of the English language.
383. SHAKESPEARE *Three hours*
Love's Labour's Lost, Midsummer-Night's Dream, As You Like It, Richard III, Romeo and Juliet, Julius Caesar, Troilus and Cressida, Othello, Macbeth, Antony and Cleopatra, Cymbeline.
384. SHAKESPEARE *Three hours*
Comedy of Errors, Merchant of Venice, Richard II, Henry IV, Twelfth Night, Measure for Measure, Hamlet, Lear, Coriolanus, Timon of Athens, Tempest.
388. SEVENTEENTH CENTURY LITERATURE *Three hours*
Donne, Milton, and their contemporaries.
389. EIGHTEENTH CENTURY LITERATURE *Three hours*
Defoe, Addison, Swift, Pope, Thomson, S. Johnson, Boswell, Goldsmith, Gray, Collins, Burns, Blake.
404. LITERARY CRITICISM *Three hours*
A study of the problems of creating and evaluating literature as discussed by the great critics, especially those of the past century, together with the writing of brief and extensive criticisms of poems, fiction and drama.
418. CREATIVE WRITING *Three hours*
For those seriously interested in writing fiction, drama, or poetry. Permission of instructor required, after submission of manuscripts.
- S421. ADVANCED CHILDREN'S LITERATURE *Two hours*
A continuation of the study of children's books with emphasis on the early writing for children and on the juvenile literature of the last five years; special problems in book selection. Prerequisite: English 321.
- 440c. ENGLISH IN THE SECONDARY SCHOOLS *Fall semester. Two hours*
Materials, problems, and methods.
- 440d. LITERATURE IN THE SECONDARY SCHOOLS *Spring semester. Two hours*
A study of literature for Junior and Senior High School students.
441. AMERICAN NOVEL *Three hours*
Survey of the development of the novel in the U. S. from the eighteenth century to the present day.

442. AMERICAN DRAMA *Three hours*
A brief survey of 18th and 19th century American drama, with more particular study of 20th century plays and playwrights.
451. ENGLISH NOVEL *Three hours*
A study of several novels, selected to represent some of the main developments in prose fiction during the eighteenth and nineteenth centuries.
- S471. STUDIES IN MAJOR WRITERS *Three hours*
The major works of from one to three writers will be studied each term.
482. SIXTEENTH CENTURY LITERATURE *Three hours*
Prose and poetry of the Renaissance in England, including work of Skelton, More, Gascoigne, Sidney, Spenser, Donne, Lyly, Ascham, Greene, Deloney, and others.
483. EARLY NINETEENTH CENTURY LITERATURE *Three hours*
Wordsworth, Coleridge, Scott, Byron, Shelley, Keats; with supplementary reading of essays and criticism of the period.
484. LATE NINETEENTH CENTURY LITERATURE *Three hours*
An intensive study of the literature of the Victorian period (1830-1900): poetry, criticism, drama and some fiction.
- 497, 498. MAJOR CONFERENCE *Two hours per semester*
Designed (1) either to enable senior major students to study independently some writer or aspect of literature not covered by regular courses or (2) as a reading course for senior majors who plan to do graduate work in literature, to enable them to round out their background by an intensive, planned course of reading and discussions.
550. GRADUATE SEMINAR *One to three hours*

FOREIGN LANGUAGES

Mrs. Little, Mr. Haydon, Mrs. Jordahl, Mr. Roe,
assisted by *Mr. C. K. Malmin, Mr. Rosenthal*

The study of foreign languages gives the student the information, interest, facility, and enjoyable experience acquired in the court of achieving a new language. It opens up a wider field of comprehension of other lands and peoples and increases his own cultural assets.

The elementary courses in foreign language (101, 102) are not open for college credit to students who have completed two years of the respective language in high school.

Classical Languages

A major in classical languages consists of a minimum of 27 credit hours including Greek 201, 202, 311, 312, 351 or 352; Latin 201, 202; and Latin 331, 332 or Hebrew 301, 302.

Greek

A minor in Greek consists of 15 credit hours.

- 201, 202. ELEMENTARY GREEK *Four hours per semester*
Inflections, vocabulary, and syntax; translations from Greek to English and English to Greek.
- 311, 312. NEW TESTAMENT *Three hours per semester*
- 351, 352. SEMINAR IN GREEK LANGUAGE
OR LITERATURE *One or two hours per semester*
Open to seniors.

Hebrew

- 301, 302. ELEMENTARY HEBREW *Three hours per semester*

Latin

A minor in Latin consists of fifteen credit hours in courses above 102.

- 101, 102. ELEMENTARY LATIN *Four hours per semester*
Exercises in grammar and syntax; sentences based on ancient authors; second semester, Caesar's Gallic War.
- 201, 202. INTERMEDIATE LATIN *Three hours per semester*
Cicero's Orations against Cataline, Sallust; The War with Cataline; Virgil's Aeneid.

Offered on demand

- 321, 322. ADVANCED PROSE COMPOSITION *Three hours per semester*
Advanced principles of grammar and idiom applied to sentence and paragraph writing. Prerequisite: Latin 201, 202.
- 331, 332. LATIN LITERATURE *Three hours per semester*
Ovid's Metamorphoses, the Odes of Horace; plays of Plautus and Terence. Prerequisite: Six hours of sophomore Latin or three admission units in Latin.
- 497, 498. INDEPENDENT STUDY *Two hours per semester*
Open to advanced students by permission of the department.

Modern Languages

French

A minor in French consists of fifteen hours above French 102 and must include French 219, 220.

- 101, 102. ELEMENTARY FRENCH *Four hours per semester*
Fundamentals of grammar. Oral and aural practice. Conversation and written work. Easy reading.
- 201, 202. INTERMEDIATE FRENCH *Three hours per semester*
Reading of literary texts. Outside reading. Review and progress in grammar with oral and written exercises. Prerequisite: French 102 or two years of French in high school.
- 219, 220. FRENCH CIVILIZATION *Two hours per semester*
Readings in French on French history and culture. Discussion. Required of students presenting a minor in French. This course may be taken concurrently with French 201, 202.

Offered on demand

- 301, 302. SURVEY OF FRENCH LITERATURE *Three hours per semester*
Chronological study of the history of French literature with detailed study of works by outstanding authors of the seventeenth, eighteenth and nineteenth centuries.
- 401, 402. ADVANCED LITERATURE *Three hours per semester*
Intensive study of one genre of literature or of the works of one literary period.

German

A major in German must include twenty-four hours in courses above German 102.

A minor in German must include fifteen hours above German 102.

- 101, 102. ELEMENTARY GERMAN *Four hours per semester*
Grammar; oral and written work; graded German readers.
- 201, 202. INTERMEDIATE GERMAN *Three hours per semester*
Emphasis on reading ability: early masterpieces of German literature.
220. SCIENTIFIC GERMAN *Three hours*
Basic training in the reading of scientific German. Prerequisite: Consent of instructor.
- 221, 222. GRAMMAR: CONVERSATION *Two hours per semester*

301. LITERATURE: GERMAN CLASSICS *Three hours*
German classics: Lessing, Schiller, Grillparzer. Offered Fall 1959 and alternate years. Prerequisite: German 201, 202.
302. GOETHE'S FAUST *Three hours*
Offered Spring 1960 and alternate years.
411. THE NOVEL *Three hours*
Offered Fall 1958 and alternate years.
412. EPICS AND LYRICS *Three hours*
Offered Spring 1959 and alternate years.
421. ADVANCED SCIENTIFIC GERMAN *Three hours*
451. ADVANCED SPEECH AND GRAMMAR *Three hours*
- 497, 498. INDEPENDENT STUDY *One or two hours per semester*
Open to advanced students by permission of the department.

Norwegian

- 101, 102. ELEMENTARY NORSE *Four hours per semester*
Grammar and composition; easy readings, conversations.
- 201, 202. NORSE LANGUAGE AND LITERATURE *Three hours per semester*
Advanced reading course.

Offered on demand

- 301, 302. DRAMA AND POETRY *Three hours per semester*
Bjornson: second semester, Ibsen.

Spanish

- 101, 102. ELEMENTARY SPANISH *Four hours per semester*
Fundamentals of grammar. Oral and written exercises. Conversation. Easy reading.
- 201, 202. INTERMEDIATE SPANISH *Three hours per semester*
Reading of literary texts. Outside reading. Oral and written practice based on review and progress in grammar. Prerequisite: Spanish 102 or two years of Spanish in high school.

GENERAL ENGINEERING

Mr. Gaines

101. ENGINEERING PROBLEMS *Two hours*
An introduction to engineering methods including mathematical review, use of slide rule and logarithms, use of formulas in solving problems with emphasis on systematic procedure and standard form of reports.
- 151, 152. ENGINEERING DRAWING AND DESCRIPTIVE GEOMETRY *Two hours per semester*

GEOGRAPHY

Mr. Ostenson

101. WORLD GEOGRAPHY *Either semester. Three hours*
A survey of the physical features and resources of the various countries.

GEOLOGY

Mr. Gaines

- 101, 102. GENERAL GEOLOGY *Four hours per semester*
The earth; its materials and history. Physical Geology the first semester; Historical Geology the second semester. Two lectures and two laboratory periods per week.
- S121. ROCKS AND MINERALS *Two hours*
A study of the composition, classification and identification of the common rocks; the important economic and rock forming minerals.

HEALTH AND PHYSICAL EDUCATION

Mr. Salzman, Mr. Gabrielsen, Mr. Lundgaard, Mrs. Young, Miss Moe

Major for Liberal Arts students: 26 credit hours including the following courses:

Men—Prerequisite: Biology 161, 162. Physical Education 210, 292, 312, 322, 341, 342, 345, 346, 363, 450, 497.

Women—Prerequisite: Biology 161, 162. Physical Education 210, 290, 292, 312, 322, 333, 341, 342, 345, 346, 450, 497.

Minor for Liberal Arts students: 15 credit hours including the following courses:

Men—Physical Education 210, 292, 312, 341, 345, 363.

Women—Physical Education 210, 292, 312, 333, 341, 345.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Health and Physical Education should follow the course outline as listed in the section on Requirements for Degrees.

Health Education

210. HEALTH ESSENTIALS *Either semester. Three hours*
A general course in personal and community health.
292. FIRST AID *Two hours*
This course meets the requirements for the Red Cross Standard and Advanced Cards.

465. SCHOOL HEALTH EDUCATION PROGRAM *Two hours*
Includes schoolroom construction, lighting, heating, sanitation, ventilation, selection and location of equipment, communicable diseases and medical inspection.

Physical Education

Activities

- 101, 102, 103, 104. ACTIVITIES (Women) *One hour per semester*
Regular freshman and sophomore activity classes. Two periods per week.
- 105, 106, 205, 206. ADAPTED ACTIVITIES (Women) *One hour per semester*
Activities to meet the needs of individual students who are not able to participate in the regular activities classes. Two periods per week.
- 107, 108, 109, 110. ACTIVITIES (Men) *One hour per semester*
Required freshman and sophomore activity classes. Two periods per week.
201. BEGINNING GOLF (Men and Women) *One hour*
Optional activity class for sophomores. Clubs are furnished for class work. Students furnish their own balls. Students not owning golf clubs may rent clubs for field work.
202. BEGINNING BADMINTON AND TENNIS (Men and Women) *One hour*
Optional activity class for sophomores. Students furnish their own balls and shuttlecocks. Racquets are provided for class work, but students must furnish racquets for field work.
203. BEGINNING ARCHERY (Men and Women) *One hour*
Optional activity class for sophomores. All equipment furnished.
204. BEGINNING BOWLING *One hour*
Optional activity class for sophomores.
207. TUMBLING AND TRAMPOLINING *One hour*
Optional activity class for sophomores.

Theory

264. BOY SCOUT LEADERSHIP *One hour*
270. FOOTBALL *Two hours*
271. BASKETBALL *Two hours*
272. TRACK *Two hours*
273. BASEBALL *Two hours*

Courses of Instruction

274. METHODS IN TEACHING TUMBLING *Two hours*
Stunts, tumbling, and trampolining. Coeducational. Limited to students majoring in health and physical education.
290. METHODS IN TEACHING INDIVIDUAL SPORTS (Women) *Two hours*
Techniques and methods used in teaching tennis, golf, archery, badminton, and tumbling.
312. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL *Two hours*
Progressive series of games and athletic activities for the elementary grades. Required for men, majoring in health and physical education, who plan to teach in the elementary school.
322. KINESIOLOGY *Three hours*
Analysis of body movements in relation to physical education activities and posture. Prerequisite: Biology 161, 162.
333. METHODS IN TEACHING TEAM SPORTS (Women) *Two hours*
Techniques and methods used in teaching soccer, basketball, volleyball and softball.
336. ATHLETIC TRAINING *Two hours*
A course designed to aid the physical educator and coach in the prevention and treatment of athletic injuries. Especially valuable to the coach in the field.
341. METHODS IN FOLK GAMES *Two hours*
Study of the methods and materials used in folk dancing.
342. PROBLEMS IN TEACHING RHYTHMICS *Two hours*
Prerequisite: Health and Physical Education 341.
345. PRINCIPLES OF PHYSICAL EDUCATION *Two hours*
The place of health and physical education in the school program, aims, objectives, content of the program, and modern trends.
346. SCHOOL AND COMMUNITY RECREATION *Two hours*
A course of instruction for those intending to take full or part-time positions in the field of recreation. The course covers program planning, organization and administration in community recreation, including a study of the relation of public school to community recreation.
363. METHODS AND MATERIALS IN TEACHING SPORTS (Men) *Two hours*
A study of methods and techniques in teaching games and sports, exclusive of major sports.
450. THE SCHOOL PHYSICAL EDUCATION PROGRAM *Two hours*
Includes problems of organization and administration.

- S473. HISTORY OF PHYSICAL EDUCATION *Two hours*
- S483. TESTS AND MEASUREMENTS IN
PHYSICAL EDUCATION *Three hours*
491. READING AND RESEARCH *One or two hours*
Open to students majoring in health and physical education.
- S493. PROBLEMS IN PHYSICAL EDUCATION *Three hours*
Limited to those who have had teaching experience.
- 497, 498. MAJOR CONFERENCE *Two hours*
Prerequisite: Health and Physical Education 363 (Men); or 290,
333 and 341 (Women).

HISTORY

Mr. Nodtvedt, Mr. Akre, Mr. Schnackenberg, Mr. Vigness

The aim of the study of history is to acquaint the student with man's past political, economic, intellectual, social, artistic and religious activities in order that he may orient himself intelligently in contemporary world affairs. He will then be better equipped to interpret man's role in the rapidly evolving events of our changing social order.

Major for Liberal Arts students: 30 credit hours including History 103, 104 and 203, 204.

Minor in Liberal Arts: 18 credit hours.

A combined major in History and Political Science requires a minimum of 30 hours, at least twelve hours in a department, and twelve hours or more in upper division courses. The following courses are required: History 103, 104, 203, 204; Political Science 101 or 251 and 252.

Candidates for the Bachelor of Arts degree in Education who are planning to concentrate in the field of History should follow the course outline as listed in the section on Requirements for Degrees.

- 103, 104. HISTORY OF WESTERN EUROPE *Three hours per semester*
A general survey of European civilization from the fall of the Roman Empire to 1914.
- 203, 204. AMERICAN HISTORY *Three hours per semester*
The origin and development of the American nation from colonial times to the present. Emphasis upon the factors that have influenced and contributed to the American institutions and ways of life.

Courses of Instruction

210. THE PACIFIC NORTHWEST *Either semester. Two hours*
A survey of the discoveries, explorations and settlements of the Pacific Northwest. The international rivalries; the missionary, economic and political background; the establishment of the state and local governments.
231. LATIN AMERICAN HISTORY *Three hours*
An introductory survey of the beginnings and development of the Latin American countries. The relation of Latin America to the United States and European nations holding colonies in and near South America. Offered on demand.
- 241, 242. HISTORY OF THE ANCIENT WORLD *Three hours per semester*
First semester: Survey of the ancient Mediterranean world through the history of ancient Greece and the conquest of Alexander the Great. Second semester: Roman history. The origin and rise of the Roman Empire and Roman civilization; its political, economic and social development and foreign policy. May be taken for upper division credit with consent of instructor.
313. MEDIEVAL HISTORY *Three hours*
A study of the history of Europe from the fall of the Roman Empire to the beginnings of the Renaissance (476-1300). Documentary research in selected medieval sources. Offered Fall 1960 and alternate years.
333. THE OLD REGIME *Three hours*
An advanced reading course in Europe from the peace of Westphalia to the outbreak of the French Revolution. Absolute monarchies; mercantilism; institutions; colonial expansion; the enlightenment. Prerequisite: History 103, 104. Offered Fall of 1960 and alternate years.
334. THE FRENCH REVOLUTION AND NAPOLEON *Three hours*
Readings and research in the revolutionary events in Europe from 1789 to the Congress of Vienna. Effects upon political, social, economic and cultural institutions emphasized. Prerequisite: History 103, 104. Offered Spring 1959 and alternate years.
- S335. CULTURAL-HISTORICAL STUDIES OF EUROPE (1500-1800) *Two hours*
History, art and literature of Europe as correlated studies.
- S336. CULTURAL-HISTORICAL STUDIES OF EUROPE (1800 to present) *Two hours*
History, art and literature of Europe as correlated studies.
337. NINETEENTH CENTURY EUROPE *Three hours*
An advanced study of Europe from the Congress of Vienna to 1914. Reaction; liberalism; nationalism; imperialism; diplomacy; industrial revolution. Prerequisite: History 103, 104. Offered Fall 1959 and alternate years.

338. TWENTIETH CENTURY EUROPE *Three hours*
The Four Year's War and peace settlements; national and international movements; autarchy and collective security; the proletarian advance; Communism; Fascism; the Second World War; reconstruction; the new liberalism; the new conservatism. Prerequisite: History 103, 104. Offered Spring 1960 and alternate years.
341. AMERICAN COLONIAL HISTORY *Three hours*
An intensive study of the colonial period in the United States to the American Revolution. Backgrounds of colonial settlements; colonial governments and the economic, political, religious and cultural progress up to the independence period will be studied. Prerequisite: History 203, 204. Offered Fall 1960 and alternate years.
- 361, 362. ENGLISH HISTORY *Three hours per semester*
A study of the political, economic, social, legal, literary, artistic and religious elements in English history. The first semester: England to 1603. Second semester: Stuarts to 1901. Offered 1960-61 and alternate years.
423. THE RENAISSANCE *Three hours*
A systematic study of the Age of the Renaissance in Italy. Italian and trans-Alpine humanism. Readings and research in selected areas of the Renaissance by each student. Contributions to the Reformation Era. Prerequisite: History 103, 104. Offered Fall 1959 and alternate years.
424. THE REFORMATION *Three hours*
An intense study of the Reformation Era especially in Germany, Switzerland, France, England. Readings and research by each student. Also a study of the Catholic Reformation. Prerequisite: History 103, 104. Offered Spring 1960 and alternate years.
443. AMERICAN HISTORY (Civil War & Reconstruction) *Three hours*
Special emphasis on the impact of the Civil War and the period of reconstruction upon the country; the political, social, economic and diplomatic trends and changes. Prerequisite: History 203, 204. Offered 1959-60.
444. RECENT AMERICAN HISTORY *Three hours*
A study of the political, social, economic structure and cultural institutions of the United States in the present century. The United States in World history; the two World Wars; the League of Nations; the Cold War. Prerequisite: History 203, 204. Offered 1959-60 and alternate years.
454. HISTORY OF AMERICAN DIPLOMACY *Three hours*
A survey of the basic trends and developments in the foreign relations of the United States with special emphasis on such basic policies as isolation and neutrality, the Monroe Doctrine and the open door policy. Prerequisite: Consent of instructor. Offered Spring 1959 and alternate years.

Courses of Instruction

456. HISTORY OF EUROPEAN DIPLOMACY SINCE 1870 *Three hours*
The Bismarckian Alliance structure. France and Russia. British isolation and its problems. Triple Alliance and Triple Entente. The League of Nations. French hegemony and collective security. International anarchy and the rise of the Axis Powers. World War II. The United Nations and the Cold War. Readings and discussions. Prerequisite: Consent of instructor. Offered Fall 1959 and alternate years.
464. BRITAIN IN THE TWENTIETH CENTURY *Three hours*
Nineteenth century background of the British Empire. Origin and rise of the Labor party, disintegration of the Liberal party, Irish nationalism, Parliament and social legislation. Formation of the British Commonwealth of Nations. The Empire's part in the World Wars of the Twentieth Century and in the United Nations. Prerequisite: History 103, 104. Offered Spring 1960 and alternate years.
471. ENGLISH CONSTITUTIONAL HISTORY *Three hours*
Evolution of the English concept of the crown and parliamentary government from Anglo-Saxon times to the present. The structure and the functions of England's central and local governmental institutions. Evolution of Imperial government and relations with dominions and colonies. Prerequisite: Consent of instructor. Offered Fall 1959 and alternate years.
474. AMERICAN CONSTITUTIONAL HISTORY *Three hours*
A survey of the development of the constitution from colonial times. Stress is laid upon the problems of imperial organization, federal supremacy, political, social and economic changes. Prerequisite: Consent of instructor. Offered Spring 1960 and alternate years.
- S475. NINETEENTH CENTURY ITALY *Two hours*
Lectures, readings and discussions on the rise of liberalism and nationalism in the Italian peninsula from 1815 to 1915.
481. HISTORY OF RUSSIA *Three hours*
A general survey of the expansion of Russia, early experiments in political and social reforms. The rise and spread of revolutionary socialism and the collapse of Czarism during the war of 1914-1918. Emphasis on Russia's part in the World War of 1939-1945 and on the present world relations. Offered Fall 1960 and alternate years.
484. HISTORY OF THE FAR EAST *Three hours*
General geographical and historical study of Far Eastern life and thought. Readings and research. Principal emphasis upon Japan, China, India. The West in Asia; the rise of nationalism, religious, artistic, intellectual, social institutions. Offered Spring 1959 and alternate years.
- 491, 492. INDEPENDENT READING AND RESEARCH *One or two hours*
- 595, 596. SEMINAR IN EUROPEAN HISTORY *Three hours*
- 597, 598. SEMINAR IN AMERICAN HISTORY *Three hours*

MATHEMATICS

Mr. Maier, Mr. Guines, Mr. Running

Modern technical developments have in large measure been made possible by the use of mathematics. There is a growing demand for mathematicians and scientists who are skilled in the use of mathematics. Some of the fields in which the use of mathematics plays an important role are physics, chemistry, meteorology and astronomy; all branches of engineering, but especially the electrical, mechanical and aeronautical; statistics and actuarial science. Any student who contemplates advanced work in any of these fields should consider a major or a minor in mathematics.

A major in mathematics shall consist of a minimum of 24 credit hours including Mathematics 201, 202, and at least 12 credit hours of upper division courses. A year of college physics is required as a supporting subject for a major in mathematics.

A minor in mathematics shall consist of a minimum of 15 credit hours including Mathematics 200, 201, 202.

Freshmen who have the necessary prerequisites may register for Mathematics 200.

Candidates for the Bachelor of Arts in Education degree, who are planning to concentrate in the field of mathematics, should follow the course outline as listed in the section on Requirements for Degrees.

91. PLANE GEOMETRY *No credit*

For students who have not had high school geometry. A study of angles, triangles, quadrilaterals, polygons, and circles from the deductive standpoint. Three class periods per week.

101. INTERMEDIATE ALGEBRA *Either semester. Three hours*

A thorough review of high school algebra and a continuation beyond quadratics. Three periods per week. Prerequisite: one year of high school algebra. Not acceptable for a major or minor.

106. SOLID GEOMETRY *Two hours*

The relations of planes and lines in space; the properties and measurements of prisms, pyramids, cylinders, cones, and spheres; original exercises and constructions. Prerequisite: plane geometry, one year of high school algebra.

131. COLLEGE ALGEBRA *Three hours*

A continuation of course 101: progressions, binomial theorem, complex numbers, theory of equations, determinants, and partial fractions. Replaced by Mathematics 151 in 1959-60.

Courses of Instruction

151. COLLEGE ALGEBRA AND TRIGONOMETRY *Four hours*
Fundamentals of trigonometry, trigonometric identities and equations, solution of right and oblique triangles, complex numbers, inequalities, progressions, inverse functions, determinants, theory of equations, mathematical induction. Prerequisite: Mathematics 101 or equivalent.
200. ANALYTIC GEOMETRY AND CALCULUS *Four hours*
The straight line, limits and derivatives, applications of the derivative, conic sections, differentiation of algebraic and transcendental functions. Prerequisite: Mathematics 151 or equivalent.
201. ANALYTIC GEOMETRY AND CALCULUS *Three hours*
The definite integral, techniques of integration, application of the integral, parametric equations, polar coordinates. Prerequisite: Mathematics 200.
202. ANALYTIC GEOMETRY AND CALCULUS *Three hours*
Infinite series, solid analytic geometry, partial differentiation, multiple integration. Prerequisite: Mathematics 201.
251. 252. DIFFERENTIAL AND INTEGRAL CALCULUS *Four hours per semester*
This course lays the foundation for all advanced work in mathematics and is a basic tool for advanced work in physics and engineering. Involves review of previous mathematics courses. To be replaced by Mathematics 201, 202, 1959-60.
311. DIFFERENTIAL EQUATIONS *Three hours*
Ordinary differential equations with applications. Prerequisite: Mathematics 252.
312. APPLIED MATHEMATICS *Three hours*
Topics include Fourier series, series solutions of differential equations, vector calculus, partial differential equations, the Laplace transform. Prerequisite: Mathematics 311.
431. 432. ADVANCED CALCULUS *Three hours per semester*
A rigorous and extended treatment of topics introduced in elementary calculus. Prerequisite: Mathematics 252. Offered 1960-61 and alternate years.
453. 454. MODERN ALGEBRA *Three hours per semester*
Matrices: systems of linear equations; linear transformations; introduction to the theory of groups, rings, fields. Prerequisite: Mathematics 201 or 252 or consent of instructor. Offered 1959-60 and alternate years.
- 497, 498. INDEPENDENT STUDY *One or two hours per semester*
Open to advanced students with consent of department.

MUSIC

*Mr. Fritts, Mr. Gilbertson, Mr. G. J. Malmin, Mr. Newnham,
Miss Thompson*

A major in music shall consist of a minimum of 30 semester hours in music theory, history and literature including Music 111, 112, 211, 212, 311, 312, 321, 322, 411, 412, plus eight semester hours of private or class instruction in applied music. Qualifying examinations shall be given to all freshmen and transfer students planning to major in music, and a second examination shall be given at the end of the sophomore year.

A minor in music shall consist of a minimum of 22 semester hours including Music 111, 112, 321, 322 and four semester hours of applied music and four semester hours of ensemble music.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Music should follow the course outline as listed in the section on Requirements for Degrees.

Students majoring in music or music education must excel in one performance area. Students majoring or minoring in music must have a functional piano facility. A student majoring in music or music education is required to be a member of a large ensemble (choir, chorus, band, orchestra, or madrigal singers) during each semester with the exception of the period of student teaching.

All students of applied music who make public appearances should receive the consent of their respective instructors or the director of the department.

A maximum of eight hours in choir, chorus, band, orchestra, madrigal singers may be applied toward a degree.

Applied Music

140. CLASS VOICE INSTRUCTION *One hour per semester*
Haywood method. A beginning course in group voice instruction for students and teachers requiring an introduction to the principles of voice placement and automatic breath control; voice ranges and simple repertoire.
141. 142. STRING INSTRUMENTS *One hour per semester*
Class study of bowed string instruments. Recommended as part of training for teachers of junior or senior high school instrumental music. Three periods per week.
146. CLASS PIANO INSTRUCTION *One hour per semester*
Limited to beginners. Not more than eight students to a class. Will not apply toward a major or minor or an Education option in Music.

Courses of Instruction

150. PIANO *One hour per semester*
152. ORGAN *One hour per semester*
The technique of organ playing and style through preparatory exercises and works of classic and contemporary composers. Prerequisite: Satisfactory piano technique.
154. VOICE *One hour per semester*
Voice production, placement, breath control, diction, interpretation, repertoire. Simple oratorio and operatic arias and art songs.
156. VIOLIN, VIOLA *One hour per semester*
243. WOODWIND AND PERCUSSION INSTRUMENTS *Two hours*
Basic techniques. Recommended as part of training for teachers of junior or senior high school instrumental music. Three periods per week.
244. BRASS AND PERCUSSION INSTRUMENTS *Two hours*
Basic techniques. Recommended as part of training for teachers of junior or senior high school instrumental music. Three periods per week.
350. PIANO (Advanced) *One hour per semester*
352. ORGAN (Advanced) *One hour per semester*
354. VOICE (Advanced) *One hour per semester*
Technical studies for fluency and range. Song literature to include the recitative and arias from oratorios and operas of Bach, Handel, Mozart, etc. French, Italian and German art songs; student recital and radio appearances.
450. SENIOR RECITAL *One or two hours per semester*
Credit is granted according to the scope of the recital at the discretion of the Faculty Committee.

Education

200. EURYTHMICS *One hour*
The study of rhythm according to the Dalcroze method.
340. MUSIC IN THE ELEMENTARY SCHOOL *Two hours*
Techniques and procedures for the music program of the first six grades. The rote song, child voice, rhythm activities, and the like. Prerequisite: Music 101 or equivalent background music.
341. CHORAL CONDUCTING *Two hours*
A study of the technique of the baton and examples of score reading. Consent of instructor required. Three days per week. Offered alternate years.
342. INSTRUMENTAL CONDUCTING *Two hours*
Baton technique, score reading, laboratory work in conducting instrumental groups. Consent of instructor required. Three days per week. Offered alternate years.

- 440f. MUSIC IN THE SECONDARY SCHOOL *Two hours*
The place of music in adolescent development, the boys' changing voice, organizing and directing all phases of vocal and instrumental music activities in the junior and senior high school.
442. METHODS OF TEACHING PIANO *One hour*
Lectures, discussions, prescribed reading in methods of teaching children. Required of piano majors. Open to others with sufficient preparation. Recommended for senior year.

History and Literature

120. MUSIC SURVEY *Either semester. Three hours*
A course presenting music of different periods as related to the other arts.
321. HISTORY AND LITERATURE *Three hours*
Ancient music, the rise of church music and polyphony. The beginning of opera and oratorio. The age of Bach and Handel. Prerequisite: Six semester hours of music theory.
322. HISTORY AND LITERATURE *Three hours*
The classical school, Beethoven, Romanticism. The music drama of Richard Wagner. Modern music. Prerequisite: Six semester hours of music theory.
- 421, 422. CHURCH MUSIC *Two hours per semester*
A survey of the history of music in the church; hymns and hymn-tunes, liturgy, as well as practical problems connected with the actual music program of the church.
520. GRADUATE SEMINAR *One to three hours*

Theory

101. FUNDAMENTALS *Either semester. Three hours*
A study of the rudiments of music, including rhythms, sight reading, elementary keyboard experience and creative music.
- 111, 112. THEORY *Three hours per semester*
Thorough training in the melodic, harmonic and rhythmic elements of music. A complete correlation of the materials and techniques of sight-singing, melodic and harmonic dictation, rhythmic reading, and the elements of harmony including seventh chords and four-part writing. Five periods per week. Formerly offered for four semester hours per semester.
- 211, 212. THEORY *Four hours per semester*
Continuation of Music 111, 112 through altered chords, modulation, harmonic counterpoint in two, three and four parts. Prerequisite: Music 112.
- 311, 312. COUNTERPOINT *Two hours per semester*
The counterpoint technique of the sixteenth, seventeenth, and eighteenth centuries. Prerequisite: Music 212. Offered alternate years.

Courses of Instruction

411. 412. FORM AND ANALYSIS *Two hours per semester*
A study of form from the simple musical phrase through the song forms to the larger forms of Bach, Beethoven, etc. Prerequisite: Music 212. Offered alternate years.
415. 416. ORCHESTRATION *Two hours per semester*
A study of the ranges and characteristics of all the instruments of the band and orchestra. Arrangements for combinations, band and orchestra. Prerequisite: Music 212. Offered alternate years.
425. MAJOR CONFERENCE *One to three hours*

Vocal and Instrumental Ensembles

132. CHORUS *One hour per semester*
Tryouts are held at the beginning of each fall semester. Singing of both sacred and secular music, with and without accompaniment.
134. CHOIR *One hour per semester*
Membership determined by tryouts. A cappella singing of sacred music. All members are required to take a minimum of one semester of voice lessons.
135. MADRIGAL SINGERS *One hour per semester*
Membership determined by tryouts. Limited to twenty members. Singing of both sacred and secular music mainly of the sixteenth and seventeenth century.
136. ORCHESTRA *One hour per semester*
Membership determined by tryouts. Standard orchestral literature.
138. BAND *One hour per semester*
Membership determined by tryouts.

NURSING EDUCATION

Mrs. Morken and Assistants

The aim of this department is to prepare young women to recognize and participate in the responsibilities and opportunities for Christian service as staff nurses in the profession of Nursing. Graduates of the department have a foundation for advanced study which qualifies for positions of leadership.

102. ORIENTATION TO NURSING *One hour*
A course designed to acquaint the student with the qualifications of the profession and the professional, especially as they relate to the clinical phase of nursing.
203. FUNDAMENTALS OF NURSING *Six hours*
A course designed to give the student knowledge and skill in the fundamental nursing care of patients, to develop habits of observation, manual dexterity and accuracy. Includes an introduction to the team method of assignment.

204. **ELEMENTARY NURSING EXPERIENCE** *Two hours*
The clinical situation with patients provides the field for laboratory class work with a minimum of seventy hours during the quarter.
208. **NORMAL NUTRITION** *One hour*
A course designed to assist the student nurse in developing an appreciation of the relationship of good nutrition to good health and to good nursing care, and the skill to apply her knowledge to individual needs.
210. **MODIFIED NUTRITION** *Three hours*
A course designed to help the student in developing a basic appreciation and understanding of dietary modification in the treatment of pathological conditions and of the dietary management of such treatment. Experience includes observation in dietary department; demonstration of the preparation of special diets, patient-centered ward conference conducted weekly in all clinical areas and student learning experience through various methods designed to integrate this experience with all other clinical experiences in the institution. Theory—two credit hours; Experience—one credit hour.
217. **MATERIA MEDICA AND PHARMACOLOGY** *Three hours*
This course is designed to give the student nurse a working knowledge of drugs and their sources, and their therapeutic value in the treatment and prevention of disease.
224. **MEDICAL NURSING EXPERIENCE** *Three hours*
This course is correlated with the classes in Medical Nursing in order that the student may learn to give the specific and personalized care required, plus the ability to execute the special techniques utilized in medical conditions. Clinics and conferences weekly. Experience 12 weeks.
225. **MEDICAL NURSING** *Three hours*
A course designed to help the students to acquire a working knowledge and understanding of the interrelationship of the psychological, sociological, economic, and nutritional aspects of acute and chronic disease conditions which respond to therapy chiefly by diet, drugs and rest.
226. **SURGICAL NURSING EXPERIENCE** *Three hours*
This course is correlated with the classes in Surgical Nursing in order that the nurse may learn to give the specific and individualized care required plus an ability to execute the special techniques utilized in surgical conditions. Clinics and conferences weekly. Experience 12 weeks.
227. **SURGICAL NURSING** *Three hours*
A course designed to help the student to acquire a working knowledge and understanding of treatment and nursing care of patients requiring operative therapy—stressing the importance of thorough preoperative preparation, comprehensive post operative management including rehabilitation, with an intelligent application of basic principles to the individual situation.

230. OPERATING ROOM NURSING AND EXPERIENCE *Four hours*
A study of the underlying principles of sterile techniques, with experience in executing procedures involving these techniques, and in assisting in operative procedures. Experience is 12 weeks including four weeks in Post Anesthesia Recovery Room.
240. ORTHOPEDIC NURSING AND EXPERIENCE *Three hours*
A course designed to help the student understand the needs of patients with musculo-skeletal injuries and diseases, and the prevention, correction, and rehabilitation involved. Experience of six weeks is correlated with theory in a segregated service. Clinics and conferences weekly.
324. ADVANCED MEDICAL NURSING EXPERIENCE *1.5 hours*
A continuation of Nursing 224. Experience six weeks.
326. ADVANCED SURGICAL NURSING EXPERIENCE *1.5 hours*
A continuation of Nursing 226. Experience six weeks.
327. MEDICAL AND SURGICAL SPECIALTIES *Three hours*
A study of the diseases of the nervous system, the genitourinary system, conditions of the eye, ear, nose and throat, communicable diseases, and of the diseased conditions of the skin, with nursing care involved.
329. NURSING AND HEALTH SERVICE IN THE FAMILY *Two hours*
A course emphasizing the nurse's role in health teaching in the hospital, the home and the community. The importance and contributions of official and voluntary health and welfare agencies is included in the course. Experience includes guided practice in teaching patients and their family.
331. MATERNITY NURSING *Three hours*
This course is designed to help the student nurse acquire the essential knowledge and to develop the understandings which will enable her to give intelligent nursing care and health supervision to maternity patients.
332. MATERNITY NURSING EXPERIENCE *Three hours*
The student participates under supervision in all three areas of service: labor and delivery, post partum, and newborn. Correlation of theory and practice in the management of pregnancy is accomplished, including field trips to pre-natal clinic. Experience 12 weeks.
341. PEDIATRIC NURSING *Three hours*
Study of the growth and development in the normal child as it relates to the care of the sick child.
342. PEDIATRIC NURSING EXPERIENCE *Three hours*
Practical application of the principles taught in Nursing 341. Experience 12 weeks.

351. PSYCHIATRIC NURSING *Three hours*
Course taken at Oregon State Hospital through affiliation. A course given to assist the student to understand the role of the nurse in the treatment, care, and rehabilitation of patients with mental illness.
352. PSYCHIATRIC NURSING EXPERIENCE *Three hours*
Practical application of the principles taught in Nursing 351. Experience 12 weeks.
- 401, 402. SEMINAR *Two hours per semester*
A two semester course designed to acquaint the student with techniques of research, a survey of the professional field and professional responsibilities and opportunities. A research project in a selected area is a requirement.
403. PRINCIPLES OF WARD RELATIONSHIPS *One hour*
A course designed to acquaint the senior student nurse with some of the problems and techniques involved in management of the total patient care with special emphasis on teamwork and self-evaluation.
404. HISTORICAL DEVELOPMENT OF NURSING *Two hours*
A course designed to acquaint the student with historical background, present day philosophy and trends in the field of nursing. Includes a study of professional organization, activities and publications.
428. ADVANCED CLINICAL EXPERIENCE *Three hours*
During her last quarter in the clinical area the student is given the opportunity to have additional experience in the field where she has her greatest need with additional opportunity to practice the technique of team management. Experience 12 weeks.

PHILOSOPHY

Mr. Kuethe

Major: 24 credit hours, including Philosophy 201, 221, 301, 302.

Minor: 15 credit hours.

Course 201 is to be regarded as an introduction to all philosophy offerings. Course 201, or 301-302, or 312 satisfies the philosophy requirements for the Bachelor of Arts degree. Courses 201, 312, and 352 are recommended for religion majors and for pre-seminary students not majoring in philosophy.

201. INTRODUCTION TO PHILOSOPHY *Either semester. Three hours*
The meaning of philosophy as the "examined life." An introduction to the logic of scientific method. A study of the major terminology and types of philosophy.
221. LOGIC *Three hours*
See Speech 221.

- 301, 302. HISTORY OF PHILOSOPHY *Three hours per semester*
The first semester will cover Greek, Roman and medieval philosophy; the second semester, modern philosophy from Descartes to the present.
312. ETHICS *Either semester. Three hours*
The study of deliberative choice. Dialectical estimate of the worth of hedonism, ethical naturalism, moral rigorism, and Christian ethics.
352. PHILOSOPHY OF RELIGION *Three hours*
The evidence for belief in God; the discussion between science and religion. Valuable for science majors. Prerequisite: three hours in philosophy.
421. KIERKEGAARD *Two hours*
An introduction to the existential approach. Prerequisite: six hours in philosophy. Offered 1959-60 and alternate years.
422. ADVANCED LOGIC *Three hours*
See Speech 422.
426. AMERICAN PHILOSOPHY *Two hours*
Leading schools of thought in America. Prerequisite: six hours in philosophy. Offered 1959-60 and alternate years.
431. GERMAN IDEALISM *Two hours*
A more detailed study of Kant through Hegel. Prerequisite: six hours in philosophy. Offered 1958-59 and alternate years.
436. PRAGMATISM AND REALISM *Two hours*
The revolt against subjective idealism. Prerequisite: six hours in philosophy. Offered 1958-59 and alternate years.
- 497, 498. INDEPENDENT STUDY *One or two hours per semester*

PHYSICS

Mr. Jordahl, assisted by Mr. Berntsen, Mr. Douglass

Physics deals with the fundamental principles which explain natural phenomena. Therefore, a study of physics is basic to all advanced work in natural science. Pre-engineer and pre-medical students, as well as chemistry and mathematics majors are required to have at least a year of college physics. The general physics course, Physics 261, 262, is designed to meet adequately the requirements in these fields.

A major in physics shall consist of at least 24 credit hours, and a minor shall consist of at least 15 credit hours. As supporting subjects for a major, one year of college chemistry and Mathematics 201, 202 or equivalent are required.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Physics, should follow the course outline as listed in the section on Requirements for Degrees.

- 261, 262. GENERAL PHYSICS *Five hours per semester*
A course designed to give a firm foundation in physical principles and their application in the solution of problems. First semester: mechanics, heat, and sound; second semester: electricity, magnetism, and light. Three lectures, one recitation period and one two-hour laboratory period per week. Prerequisite: Mathematics 101 or equivalent.
311. MODERN PHYSICS *Three hours*
A course covering the important developments in the field of physics since 1895. Topics included are the isolation of the electron and the measurement of its charge, isotopes and mass spectrograph studies, radioactivity, simple theory of atomic structure, X-rays, and nuclear disintegration. Lectures and outside reading. Prerequisite: one year of college physics.
315. HEAT *Three hours*
An intermediate course dealing with calorimetry, temperature measurement, methods of heat transfer, thermal properties of substances, and an introduction to thermodynamics. Two lecture and one three-hour laboratory period per week. Prerequisite: Physics 261, 262, Mathematics 201. Offered 1959-60.
316. LIGHT *Three hours*
General principles of geometrical and physical optics and study of optical instruments. Two lecture-recitations and one three-hour laboratory per week. Prerequisite: Physics 261, 262, Mathematics 201. Offered 1959-60.
342. MECHANICS *Four hours*
A course in engineering mechanics dealing with statics, dynamics, and kinetics. Prerequisite: Physics 261, 262, Mathematics 201.
451. ELECTRICITY AND MAGNETISM *Four hours*
The fundamental phenomena and laws of magnetism, electrostatics, steady currents, electrolysis, electromagnetism and alternating currents. Three lectures and one three-hour laboratory period per week. Prerequisite: Physics 261, 262, Mathematics 202.
456. ELECTRONICS *Four hours*
A study of the characteristics of vacuum tubes and transistors and their use in rectifiers, amplifiers and other electronic devices. Lectures and laboratory work. Prerequisite: Physics 451.
- 487, 488. SEMINAR *Two hours per semester*
Prerequisite: consent of department head.
- 497, 498. INDEPENDENT STUDY *One or two hours per semester*
Prerequisite: consent of department head.

POLITICAL SCIENCE

Mr. Farmer

The study of political science trains the student in the exercise of his rights and duties as a citizen by giving him a better understanding of our democratic political processes and of conflicting political systems.

A major in Political Science shall consist of a minimum of 24 credit hours including Political Science 101 or 301. A minor in Political Science shall consist of a minimum of 15 credit hours including Political Science 101 or 301.

A combined major in Political Science and History requires a minimum of 30 hours, at least twelve hours in a department and twelve or more hours in upper division courses. The following courses are required: Political Science 101 or 301 or 251 and 252; History 103, 104, 203, 204.

101. INTRODUCTION TO POLITICAL SCIENCE *Three hours*
This course deals with the scope and method and the vocabulary of political science, political behavior, and governmental organization. It is also designed to introduce the student to problems of political theory and to familiarize him with the comparative method of studying political institutions.
251. AMERICAN NATIONAL GOVERNMENT *Three hours*
A study of the American national government including the federal constitution and the distribution of governmental powers. Survey of structure and procedure of national government with special attention to practical operation and contemporary reforms.
252. AMERICAN STATE GOVERNMENT *Three hours*
A comparative study of state government in the United States with special attention to the Pacific Northwest area. Prerequisite: Political Science 251.
282. COMPARATIVE GOVERNMENT *Three hours*
Comparison of contemporary governments as to political philosophy, constitutional basis and governmental structure and procedure.
301. PRINCIPLES OF POLITICAL SCIENCE *Three hours*
An introductory course in political science designed to meet the needs of juniors and seniors. Not open to freshmen, sophomores or to anyone who has received credit for Political Science 101.
315. HISTORY OF POLITICAL THOUGHT *Three hours*
This course traces the development of thought concerning the nature and role of the state from ancient times to the present. Offered Fall 1959 and alternate years.
316. RECENT POLITICAL THOUGHT *Three hours*
A critical examination of the major political philosophies of the modern world: Socialistic doctrines, Communism, Fascism, Anarchy, Democracy. Contemporary problems. Formerly listed as Political Science 311. Offered Spring 1960 and alternate years.

331. INTERNATIONAL RELATIONS *Three hours*
This introductory course deals with the scope and methods, concepts, and the vocabulary of international relations. Survey of the foreign policy of the major world powers and contemporary international problems. Offered Fall 1960 and alternate years.
332. INTERNATIONAL ORGANIZATION *Three hours*
A study of the World Court, League of Nations, United Nations and its agencies, and other international organizations which attempt to deal effectively with the problem of the world community. Prerequisite: Political Science 331. Offered Spring 1959 and alternate years.
354. AMERICAN LOCAL GOVERNMENT *Three hours*
A comparative study of local government, urban and rural, in the United States with special attention to the Pacific Northwest area. Prerequisite: Political Science 251. Offered Spring 1959 and alternate years.
361. AMERICAN POLITICAL PARTIES *Three hours*
Party history and organizations; nominations and elections; campaigns and conventions; electoral problems and administration; bossism in local politics; pressure groups; platforms. Offered Fall 1960 and alternate years.
362. PUBLIC FINANCE *Three hours*
See Economics and Business Administration 362.
364. THE LEGISLATIVE PROCESS *Three hours*
A study of the theory, organization, and procedure of legislative bodies in the United States with special attention to the contemporary Congress and Washington state legislature. Prerequisite: Political Science 251 or 361. Offered Spring 1959 and alternate years.
432. COMPARATIVE POLITICAL SYSTEMS *Three hours*
Comparison of the organization and operation of the major types of contemporary political systems. Offered Spring 1960 and alternate years.
434. GOVERNMENT AND BUSINESS *Two hours*
See Economics and Business Administration 434.
457. PUBLIC ADMINISTRATION *Three hours*
The art and science of management applied to the affairs of state; nature of human behavior in organizations; administrative law and quasi-judicial practices; civil service; budget and fiscal control; centralization; coordination, integration in administrative areas. Prerequisite: Political Science 251. Offered Fall 1959 and alternate years.
471. ENGLISH CONSTITUTIONAL HISTORY *Three hours*
See History 471.
474. AMERICAN CONSTITUTIONAL HISTORY *Three hours*
See History 474.
- 497, 498. INDEPENDENT READING
AND RESEARCH *One to two hours*

PSYCHOLOGY

Mr. Solberg, Mr. Scott;
assisted by *Mr. J. Hagen, Mr. London, Mr. Mainord*

The study of psychology is designed to help students to understand themselves and others better, and to give them greater insight into the nature of personal and social problems. It is especially recommended to students who plan to enter fields related directly or indirectly to guidance and personnel work, social work, teaching, the ministry, parish work, medicine and nursing, business administration, etc.

Students desiring to obtain a major in psychology must have the approval of the department for the courses to be taken.

Major: 24 credit hours, including Psychology 101, 201, 301 (or 305 and 405), and 490.

Minor: 15 credit hours, including Psychology 101, 301 (or 305 and 405), and 321.

Psychology 101 is a prerequisite to all other courses in the department except Psychology 110.

101. GENERAL PSYCHOLOGY *Either semester. Three hours*

A general course in psychology emphasizing the principles and basic facts which are essential to an understanding of human behavior. The main problems discussed are the physical basis for behavior, motivation, habits, learning, remembering, thinking, emotion, intelligence, personality and character.

110. STUDY SKILLS TECHNIQUES *Either semester. Two hours*

A course designed to assist the student in developing more effective study techniques. Emphasis is given to improving reading rate and comprehension, developing better skills of concentration, planning effective usage of time, taking adequate notes, and preparation of written material. Class work is supplemented by individual counseling periods and/or special training in reading skills.

201. APPLIED PSYCHOLOGY *Three hours*

A study of the applications of the principles of psychology to practical personal problems, aptitudes and vocations, industrial relations, advertising and selling, mental health and therapy, delinquency, criminality, and law and court procedures.

301. HUMAN DEVELOPMENT *Three hours*

See Education 301.

305. CHILD PSYCHOLOGY *Three hours*

A study of the development and behavior of children.

320. **SOCIAL PSYCHOLOGY** *Three hours*
A study of the psychological foundations of group life. Analysis of social behavior. Effect of the individual on the group and of the group on the individual. Custom, fashion, war, public opinion, etc., in the light of psychological principles. Prerequisite: Sociology 101.
321. **THE PSYCHOLOGY OF ADJUSTMENT** *Three hours*
The course deals primarily with the methods used by normal people in their adjustment to the ordinary and the serious difficulties of everyday life. The following topics are analyzed: motivation and drives, normal adjustment patterns, adjustment by defense mechanisms, by negativism, by fear and regression, by ailments. Personality, psychoanalysis, and techniques of mental hygiene are discussed.
353. **PSYCHOLOGICAL TESTING** *Two hours*
A survey of the field of standardized tests. Tests in the areas of intelligence, aptitude, interest, and personality are considered. The proper use, the limitations, and the interpretation of these tests are emphasized.
370. **PRINCIPLES OF GUIDANCE** *Two hours*
See Education 370.
405. **ADOLESCENT PSYCHOLOGY** *Two hours*
An advanced course dealing with physical development, mental traits, social characteristics and interests of adolescents. Adjustments in home, school and community. Prerequisites: Psychology 101, 301 or 305 or consent of the instructor.
421. **ABNORMAL PSYCHOLOGY** *Three hours*
The application of psychological facts and principles to the problems of maladjusted personalities. Symptoms, causes, remedial procedures for abnormal states.
441. **STATISTICAL METHODS** *Three hours*
Use and interpretation of elementary statistical techniques; graphic representation; measures of central tendency; simple correlation analysis, and sampling theory.
451. **INDIVIDUAL MENTAL TESTING** *Two hours*
An intensive study of the Stanford-Binet and the Wechsler-Bellevue intelligence scales. Enrollment limited. Prerequisite: consent of the instructor.
472. **OCCUPATIONAL INFORMATION** *Two hours*
See Education 472.
473. **INTRODUCTION TO COUNSELING** *Two hours*
A course designed to acquaint the student with the various theories and techniques of counseling. The course is meant to be an introduction to the field and no actual counseling will be done; however, there will be opportunity for simulated interviews and some role playing in connection with the development of the theories and the techniques.

477. FIELD WORK *Two hours*
478. MENTAL HEALTH FOR TEACHERS *Two hours*
See Education 478.
490. HISTORY OF PSYCHOLOGY *Three hours*
Historical background of modern theory and method. Special emphasis on the development of the various schools of psychology. Prerequisite: nine hours in psychology or consent of the instructor.
492. SEMINAR IN PSYCHOLOGY *Two hours*
Designed for department majors and others interested in special fields of psychology. Prerequisite: consent of instructor.
- 497, 498. INDEPENDENT STUDY *One or two hours per semester*

RELIGION

Mr. Roe, Mr. Christopherson, Mr. Govig, Mr. Vigness, Miss Wickstrom

Pacific Lutheran College offers a curriculum designed to introduce the student to the primary sources of the Christian religion, its Bible, the history and teachings of Christianity through the centuries and their application to the problems of today. In addition to the basic courses required during the first two years of the student in residence, upper division courses furnish information and initial insights for those who contemplate devoting their lives to the special callings of pastor, missionary, deaconess, parish worker, social worker or the more general activities in any Christian congregation.

A well-integrated program in any special field should be planned with faculty members of the department. Students are encouraged to seek advice as early in their college course as possible.

Major: 24 hours; minor: 15 hours.

Required for graduation: Courses 101, 112, 201, 202.

101. LIFE OF CHRIST *Either semester. Two hours*
The study of the life of Christ, with the four Gospels as textbook, supplemented by interpretative lectures and discussions.
112. HISTORY OF THE CHRISTIAN CHURCH *Either semester. Two hours*
The growth of the Christian Church traced through persecutions and controversies; the rise of the papacy; the Reformation under Luther.

201. THE BIBLE—OLD TESTAMENT *Two hours*
A study of the divine-human encounter portrayed in the Old Testament. Syllabus.
202. THE BIBLE—NEW TESTAMENT *Two hours*
A study of the divine-human encounter portrayed in the New Testament. Syllabus.
211. RELIGION AND HEALTH *Two hours*
A course aiming to acquaint the student with the basic teachings of the Christian faith, with emphasis on their relevance to health and on the Christian role of the nurse in the care of the sick.
212. CHRISTIAN BEHAVIOR *Two hours*
222. PARISH WORK *Two hours*
A study of the place of the parish worker in the church, her problems, and particular phases of her work. Various field work opportunities are provided such as Sunday School visitation, hospital and shut-in visitation, survey work, preparing church bulletins. May be taken for upper division credit upon consent of instructor.
225. CHRISTIAN EDUCATION OF CHILDREN *Three hours*
A study of the characteristics, problems, and needs of children and the developing of the educational program for the pre-school and elementary age group in the church. Emphasis upon aims, methods, materials. Practice in story-telling. May be taken for upper division credit upon consent of instructor.
227. CHRISTIAN EDUCATION OF YOUTH *Two hours*
The nature and needs of youth as applied to Christian education for the purpose of developing an adequate program. A study of methods for promoting, leading, and teaching both in the Sunday School and Luther League. May be taken for upper division credit upon consent of instructor.
301. BIBLE TRUTHS *Two hours*
A consideration of the leading Biblical teachings.
306. METHODS IN BIBLE STUDY *Two hours*
Relating the form of Scripture to its content. Unit, topical, and book studies illustrated and applied for the purpose of improving the student's first-hand acquaintance with Scripture.
331. COMPARATIVE RELIGION *Two hours*
The living religions of the world; Judaism, Islam, Buddhism, Taoism, Hinduism, Confucianism, compared with Christianity.
341. AMERICAN CHURCHES *Two hours*
The beginnings and doctrines of the major denominations in America.

Courses of Instruction

342. CONTEMPORARY CHRISTIANITY *Two hours*
Mid-century challenges and trends in the Christian Church with attention to Christian social thought, communism, ecumenical movements, modern sects, the scientific world-view, and existentialism.
352. PHILOSOPHY OF RELIGION *Three hours*
See Philosophy 352.
401. ROMANS AND GALATIANS *Two hours*
A study of the two most influential Pauline epistles for devotional and doctrinal content, including historical and modern-day application.
410. STUDIES IN ISAIAH *Two hours*
A study of the role of Isaiah in Old Testament history, his theology and his relevance to the Church today.
- 421, 422. CHURCH MUSIC *Two hours per semester*
See Music 421, 422.
424. THE REFORMATION *Three hours*
See History 424.
- 497, 498. INDIVIDUAL STUDY *One or two hours per semester*
Permission of the department is required.

SCIENCE (GENERAL)

Mr. Ostenson, Mr. Ramstad

A major in general science may be obtained by taking two years' work in either biology, chemistry or physics and one year in each of two other sciences.

121. INTRODUCTION TO BIOLOGICAL SCIENCE *Four hours*
A survey course including a brief study of the plant kingdom and of the animal kingdom. Three lectures and one laboratory period per week.
122. INTRODUCTION TO PHYSICAL SCIENCES *Four hours*
A survey of the fundamental principles in chemistry, physics, astronomy, climatology, and geology. Lectures and laboratory work.
- S136. DESCRIPTIVE ASTRONOMY *Two hours*
A descriptive course. Topics covered include the moon, the solar system, coordinate systems for locating stellar objects, characteristics of stars.

SOCIOLOGY

Mr. Knorr, Mr. Schiller

Sociology studies the development, organization and behavior of human groups. Its general purpose is to explain uniformities and processes of human social behavior and the nature and relations of institutions; to stimulate a critical and constructive attitude toward programs of reform, and to furnish a sound basis of information for intelligent citizenship.

Major: 24 credit hours, including Sociology 101, 202, 255, 431 and either 320 or 412.

Minor: 15 credit hours, including Sociology 101, 202, and 255 or 431.

Sociology 101 is the prerequisite for all other courses in the department.

101. INTRODUCTION TO SOCIOLOGY

Either semester. Three hours

An inquiry into the basic principles for understanding social relationships. This course is designed to acquaint the student with the fundamental laws governing human relations. Problems of social structure, social processes and social motives will be considered.

202. CONTEMPORARY SOCIAL PROBLEMS

Three hours

Problems of delinquency, suicide, crime, population, unemployment, public relief, poverty, public welfare, mental deficiency, family disorganization, and the like.

255. HUMAN ECOLOGY

Three hours

Factors and forces which determine the distribution of people and institutions.

301. SOCIAL LEGISLATION

Two hours

Historical and critical analysis of social legislation in Europe and America, with special emphasis upon social legislation in the United States and in the State of Washington.

308. JUVENILE DELINQUENCY

Three hours

Family and community backgrounds; treatment through institutions, the juvenile court and probation; programs of prevention.

315. PUBLIC OPINION

Two hours

An analysis of public opinion and propaganda from the point of view of modern social science.

316. URBAN SOCIOLOGY

Three hours

Organization and activity of urban groups, with special reference to social, economic and other institutional problems.

320. SOCIAL PSYCHOLOGY

Three hours

See Psychology 320.

Courses of Instruction

321. LABOR PROBLEMS *Three hours*
See Economics and Business Administration 321.
332. MODERN MARRIAGE *Two hours*
A practical inquiry into the forces influencing modern courtship and marriage, with emphasis on human experience rather than statistical presentations.
341. RACE RELATIONS *Three hours*
A study of inter-racial contacts and conflicts, with emphasis on American racial problems.
344. CULTURAL ANTHROPOLOGY *Three hours*
A study of the uniformities and variations in man's cultural development, with special emphasis upon the value of this study for contemporary society.
356. RURAL SOCIOLOGY *Three hours*
The rural life movement with special reference to group organization, rural social organizations and indications of change.
360. HUMAN MIGRATION *Three hours*
The consideration of major quantitative and qualitative problems of population and population movements in contemporary society.
406. CRIMINOLOGY *Three hours*
The nature of the social problem of crime, the criminal law and its administration, and the penal treatment of the criminal.
- S407. EDUCATIONAL SOCIOLOGY *Two hours*
A systematic view of significant sociological data and principles applicable to education policies and practices.
412. HISTORY OF SOCIAL THOUGHT *Four hours*
An evaluation of the forces causing social change, with some historical background for present day social thought and trends.
431. THE FAMILY *Three hours*
The changing home; the study of the family and familial customs; family interaction and organization; analysis and treatment of family disorganization.
435. FIELD OF SOCIAL WORK *Three hours*
A survey course of the principles and practices in the total field of social work, with a comprehensive picture of available services and future needs.
436. SOCIAL CASE WORK TECHNIQUES *Three hours*
Analysis and application of the processes and techniques of social casework for use in the contemporary social welfare setting.
- 437, 438. FIELD WORK *Two hours per semester*
A research project in the chosen field of the student's interest. It may consist of a study of some specific social problem, a study of a social institution or supervised field work with some local agency. Weekly consultation with instructor and a semester report.

441. STATISTICAL METHODS *Three hours*
See Psychology 441.
445. SOCIAL CONTROL *Three hours*
Analysis of the technique and process by which social changes in individual and collective action are effected.
450. CONTEMPORARY SOCIAL INSTITUTIONS *Three hours*
The origins and developments of major American social institutions and related institutional patterns.
- 497, 498. INDEPENDENT STUDY *One to three hours*
Open to students majoring in sociology. Permission of the department is required.
510. GRADUATE SEMINAR *One to three hours*
Permission of the department is required.

SPEECH

Mr. Karl, Mr. Nordholm, Miss Smith, Mr. Utzinger

The Department of Speech embraces three sections: Public Address, Drama, Radio. A major in the department requires courses in all sections with emphasis in the particular section according to the student's election.

Speech delivery techniques, contents of speeches, as well as platform proficiency, are the points of main concentration the first two years.

Speech major: 24 credit hours. Required courses: Speech 101, 250, and 9 hours chosen from 104, 221, 256, 270, or 308. All students majoring in the field will participate in some phase of dramatics and forensics.

Speech minor: 15 credit hours. Required courses: Speech 101, 250, and 9 hours chosen from 104, 221, 256, 270, 308, 350, 352, 353, or 356.

Drama major: 27 credit hours. Required courses: Speech 101, 250, 256 and English 233 and 15 hours from the following: Speech 350, 352, 353, 356, English 333, 357, 358, 383, 384 or 442. Selection of courses with approval of the major adviser, dependent on student's interest in technical or performing drama.

Drama minor: 15 credit hours. Required courses: Speech 101, 250, 256, and English 233 and 3 hours or more from the following: Speech 350, 352, 353, 356, English 333, 357, 358, 383, 384, 442.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Speech, should follow the course outline as listed in the section on Requirements for Degrees.

101. **FUNDAMENTALS OF SPEECH** *Either semester. Three hours*
Foundation course dealing with basic elements of the speech situations, including the visible and audible approaches. Some concentration on content. Extensive platform work.
104. **FUNDAMENTALS OF SPEECH STRUCTURE** *Either semester. Three hours*
Technique, composition and delivery of speeches for various occasions. Group and individual projects. Major portion is platform work. Prerequisite: Speech 101.
106. **BUSINESS AND PROFESSIONAL SPEECH** *Two hours*
Platform techniques, voice adjustment, speech construction. Application made to practical speech situations for professions and businesses represented in the class. Platform work predominates.
182. **FORENSICS** *One hour*
One year competition in Intercollegiate Forensics, during the Freshman year. Registration second semester only.
206. **PARLIAMENTARY LAW** *Two hours*
Study of Parliamentary Law based upon Robert's Rules of Order. Practical work dominates. Designed primarily to aid those who do or will belong to organizations.
221. **LOGIC** *Three hours*
The study of the theory and practical application of deductive logic. Not open to freshmen. Formerly listed as Speech 222.
250. **INTERPRETATIVE READING** *Three hours*
An introduction to the art of interpretative reading. Emphasis given to developing logical and emotional responsiveness to literature.
256. **FUNDAMENTALS OF ACTING** *Three hours*
Training of the actor with emphasis upon movement, emotional recall, and responding to imaginary stimuli. Lecture and performance.
270. **RADIO SPEAKING** *Three hours*
Microphone technique and styles of delivery for radio programs. Extensive use of recording equipment. Prerequisite: Speech 101.
282. **FORENSICS** *One hour*
One year competition in Intercollegiate Forensics, during the Sophomore year. Registration second semester only.
308. **EXTEMPORE SPEAKING** *Three hours*
Platform work predominates. Special emphasis given to the study of gathering material, methods of preparation, and delivery. Prerequisite: Speech 104.
350. **ADVANCED INTERPRETATIVE READING** *Three hours*
Special projects and class exercises directed toward program planning. Development of skill and communicativeness in reading aloud. Development of the art of making literature live. Prerequisite: Speech 250.

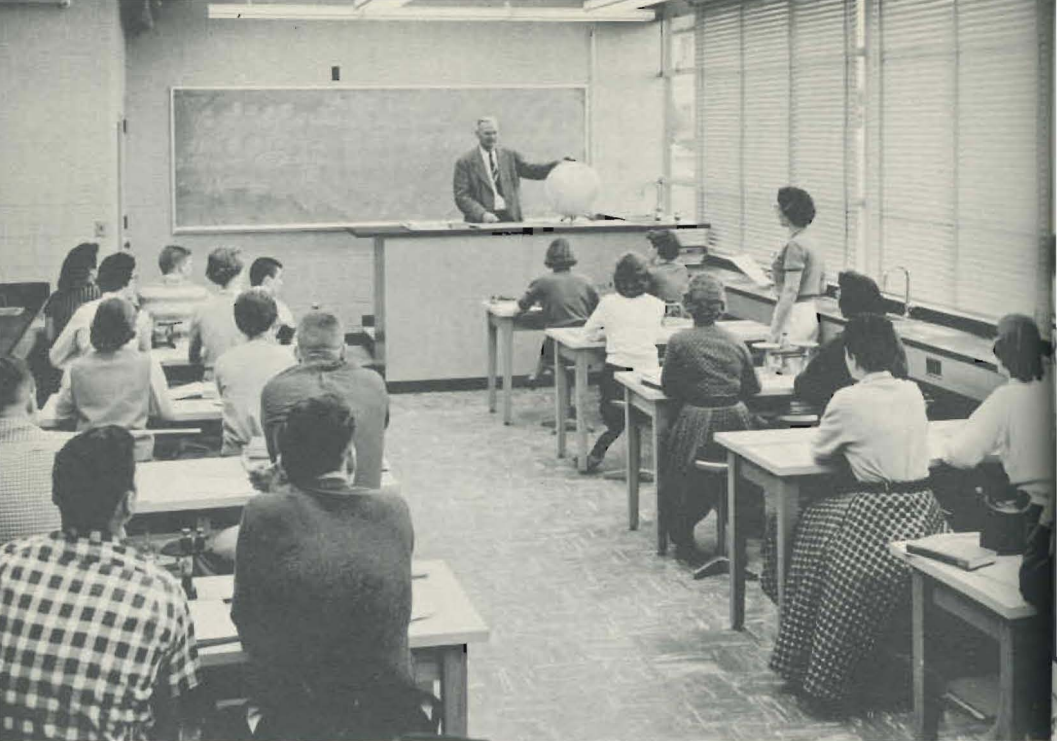
352. STAGE SCENERY AND COSTUME *Three hours*
The design and execution of scenery and costumes for stage productions, including the training of stage personnel. Open to speech majors and minors or by permission of the department. Offered Spring 1959 and alternate years.
353. STAGE LIGHTING AND MAKEUP *Three hours*
Theory and practice of stage lighting and make up. Open to speech majors and minors or by permission of the department. Offered Spring 1959 and alternate years.
356. PLAY DIRECTION *Three hours*
Principles of play direction, theory, exercises and production of complete one-act play. For speech majors and minors or by permission of the department. Offered spring 1959 and alternate years.
370. RADIO PRODUCTION *Three hours*
Direction and production of radio programs with extensive use of radio equipment. Lecture and workshop. For speech majors or minors or by permission of the department. Offered Spring 1959 and alternate years.
382. FORENSICS *One hour*
One year competition in Intercollegiate Forensics, during the Junior year. Registration second semester only.
422. ADVANCED LOGIC *Three hours*
A review of the deductive forms and processes, and a study of inductive reasoning. Prerequisite: Speech 222. Offered Spring 1959 and alternate years.
430. SPEECH PATHOLOGY *Three hours*
A study of speech difficulties, with emphasis on identification and cause. Limited to speech majors or to other persons by permission of the department.
434. VOICE SCIENCE *Three hours*
The physiological, anatomical, and physical basis of speech and hearing. Prerequisite: Speech 430. Offered Spring 1960 and alternate years.
- 440i. SPEECH IN THE SECONDARY SCHOOL *Two hours*
Curriculum construction, speech philosophy for the teacher. Co-curricular activity. Administration of drama, radio and forensic activities.
442. SPEECH FOR THE CLASSROOM TEACHER *Two hours*
A survey of speech problems and opportunities which confront the teacher in the classroom.
- S461. CHILDREN'S DRAMA WORKSHOP *Four hours*
The children's workshop will consist of 5 weeks of intensive work in Children's Drama. A complete three-act play, or equivalent, will be produced in that time. The students will be involved in direction, stage management, lighting, and all other phases of production.

Courses of Instruction

- S462. SUMMER DRAMA WORKSHOP *Five hours*
The summer drama workshop will consist of five weeks of intensive work in drama. Acting, stage management, lighting instruction, and all other phases of production.
482. FORENSICS *One hour*
One year competition in Intercollegiate Forensics, during the Senior year. Registration second semester only.
497. SPECIAL STUDIES IN SPEECH *One hour*
Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.
498. SPECIAL STUDIES IN SPEECH *Two hours*
Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.
499. SPECIAL STUDIES IN SPEECH *Three hours*
Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.
527. RESEARCH IN SPEECH *One hour*
Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.
528. RESEARCH IN SPEECH *Two hours*
Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.
529. RESEARCH IN SPEECH *Three hours*
Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.



The Science Hall, with its new addition, houses modern equipment and facilities for the sciences and mathematics



A professor conducts a demonstration in the spacious physical science laboratory



Physics professor assists in experiment in the electronics laboratory



*Professor gives information on the use of a stir-plate
in chemistry experiments*



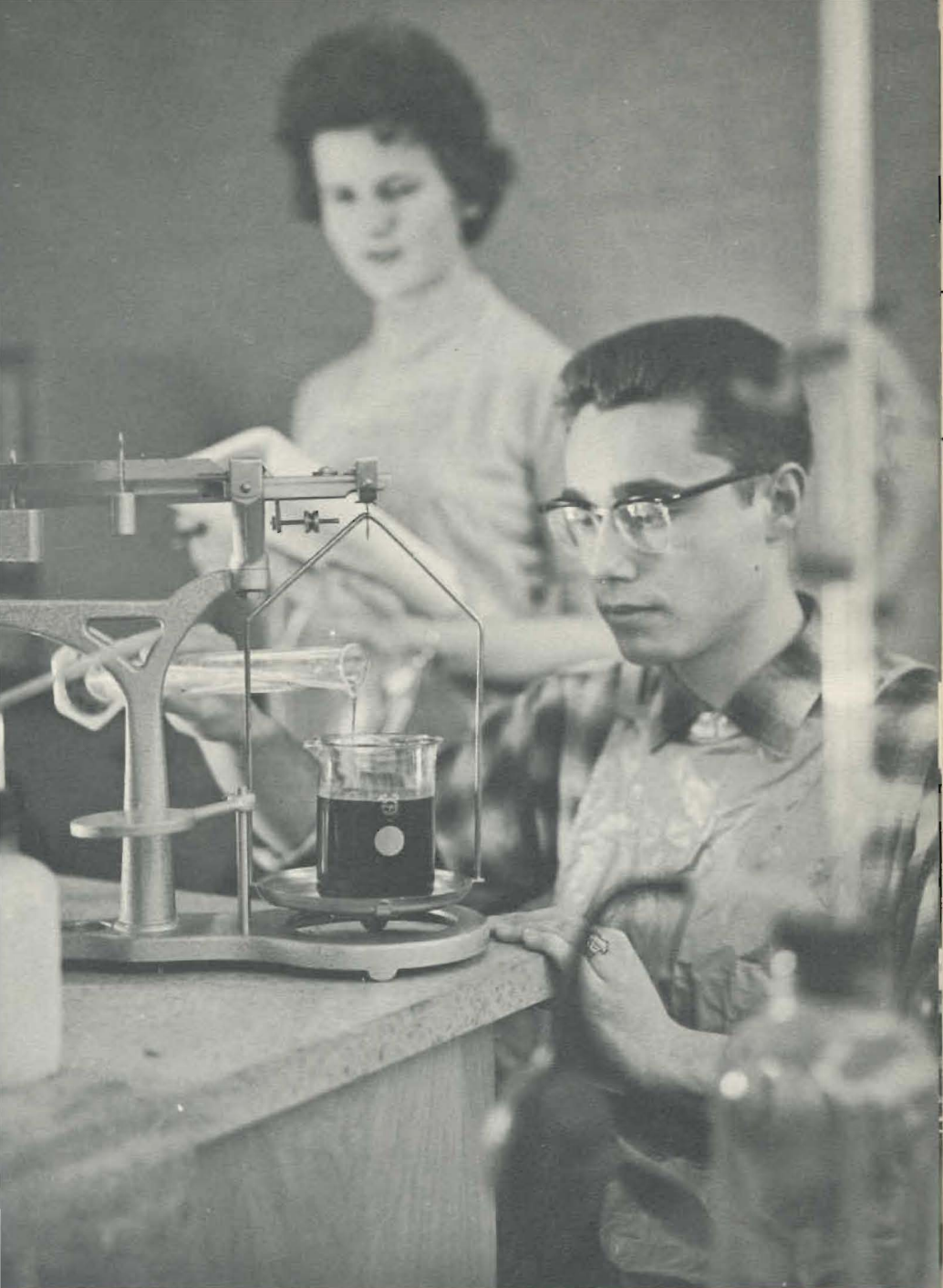
Rocks and minerals are studied in the geology laboratory



This library and study room in the Science Hall addition is for mathematics students



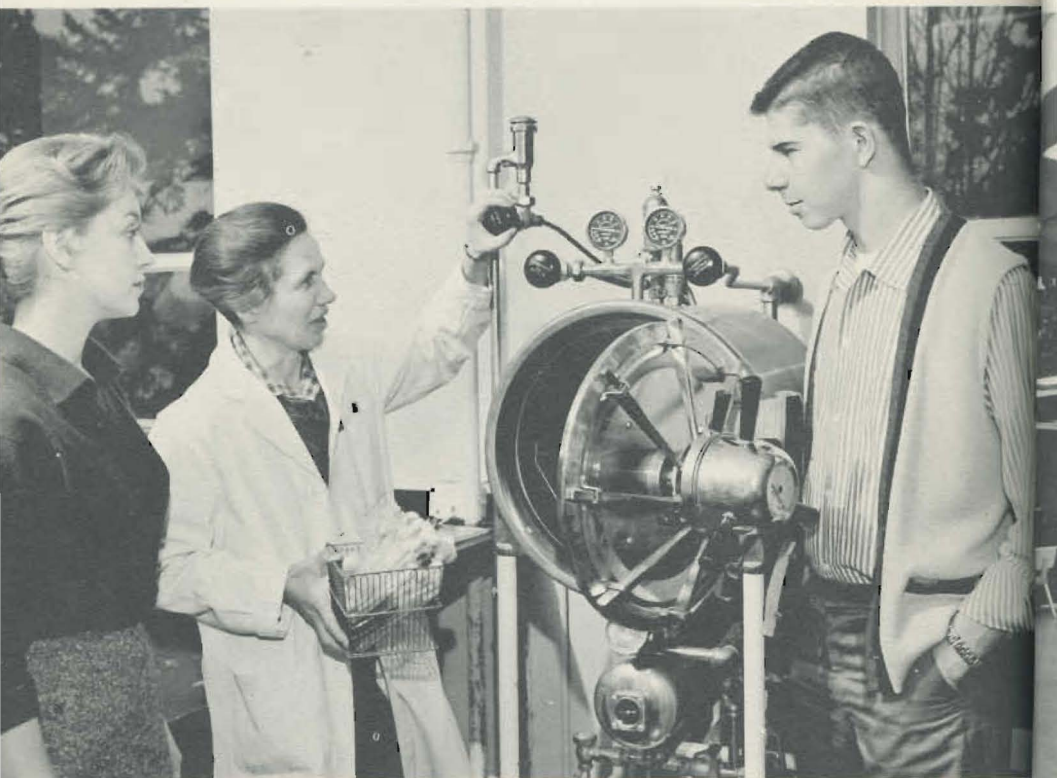
Biology laboratory students listen to lecture on the anatomy of the frog



Chemistry student weighs ingredient for an experiment



Science students and professor examine one of the 500 bird specimens in the college collection



One of the modern pieces of equipment in the microbiology laboratory is this autoclave



*The new addition to the College Union Building —
Chris Knutzen Fellowship Hall*



*Spacious Chris Knutzen Fellowship Hall can be divided into three
eating, meeting or recreational areas*



Student teacher leads exercise in Tacoma school. Regular classroom teacher is at the organ



Capping is one of the big events in the life of a student nurse. The college offers a four-year degree program in nursing

The Register

Administrative and Other Officers

President	S. C. EASTVOLD
Dean of the College	PHILIP E. HAUGE
Business Manager	S. C. EASTVOLD
Assistant to the President in Charge of Finances	CECIL O. VANCE
Registrar	PHILIP E. HAUGE
Dean of Men	LESLIE O. EKLUND
Dean of Women	MARGARET D. WICKSTROM
Director of Teacher Education	ANNA MARN NIELSEN
Director of Public Relations	ROY E. OLSON
Director of Athletics	H. MARK SALZMAN
Director of Nursing	ELINE KRAABEL MORKEN
Chairman, Student Health Service	WILLIAM L. STRUNK
Director of Foods	FLORENCE A. QUAST

Office Personnel and Staff

Secretary to the President	MARY JANE HEUBLEIN
Secretary to the Dean	CAROLEE R. BAILLY
Assistant to the Registrar	LINKA K. JOHNSON
Secretary to the Director of Public Relations	RITA HARMON
Secretary to the Faculty	LYLA WEICHSELDORFER
Clerks, Registrar's Office	KATHERINE C. BAILEY JANET B. PETERSON
Clerks, Library	OLGA S. FISHER MARY MALINOWSKI
Secretary to the Dean of Men	LYNN BEACH
Secretary to the Dean of Women	MARLENE ERVIN
Receptionist	MAMIE C. RAMSTAD
Bookkeeper	ANNA ENGE
Assistant to the Bookkeeper	ELEANOR O. PETERSON
Alumni Office	EMMA H. RAMSTAD CAROL FISHER
Plant Manager	KENNETH J. A. JACOBS
Manager of the Bookstore	CARL G. FAULK
College Nurse	PEGGY FARVER MILES
College Physician	W. J. ROSENBLADT, M.D.
Housemothers	MARIE I. FUHR, OLGA MARQUARDT HELEN NICHOLSON, FREDA ROUZE
Housefathers	M. J. K. FUHR, C. K. MALMIN

Student Congregation

Pastor JOHN O. LARSGAARD

Faculty Emeriti

PETER JEREMIAH BARDON

B. S., Valparaiso College, 1892; B. A., University of Washington, 1911; M. A., University of Washington, 1927; graduate work, University of Washington, summers 1930, 1931, 1932, 1933, 1934, 1935. At Pacific Lutheran Academy, 1912-17; at Pacific Lutheran College since 1929 (Emeritus 1938).

LORA BRADFORD KREIDLER

College work, Carleton College, 1890-91; University of Minnesota, 1891-92; art work, Minneapolis School of Art, 1895-98; College of Puget Sound, summer 1924; University of Washington, summers 1929, 1930. At Pacific Lutheran College since 1921, part time since 1940 (Emeritus 1943).

JESSE PHILIP PFLUEGER

B. A., Capital University, 1907; B. S., Capital University, 1910; Cand. Theol., Capital University, 1910; graduate of Tropical Medicine Course, Tulane University, 1914; graduate work, Leipzig University, 1915; University of Washington, summer, 1931; D. D., Capital University, 1942; L. H. D., St. Olaf College, 1956. At Pacific Lutheran College since 1930 (Emeritus 1958).

GEO RENEAU

Ph. B., University of Chicago, 1900; Ph. M., University of Chicago, 1910; graduate work, University of Chicago, part time 1911-13, and part time, University of Pennsylvania, 1913; L.L. B., LaSalle University, 1944. Professor of Sociology, Pacific Lutheran College 1933-1952 (Emeritus 1952).

JOHN ULRİK XAVIER

A. B., Luther College, 1893; and. Theol., Luther Seminary, 1898; graduate work, University of Minnesota, 1898-99; M. A., University of Washington, 1929. D. D., Pacific Lutheran College, 1953. At Pacific Lutheran Academy, 1902-07; at Pacific Lutheran College since 1920 (Emeritus 1942).

Faculty

1958-59

SETH CLARENCE EASTVOLD

President

Graduate, Jewell Lutheran College, 1913; A. B., St. Olaf College, 1916; Cand. Theol., Luther Seminary, 1920; B. D. 1924, S. T. M. 1926, Td. D. 1931, Augustana Theological Seminary; D. D. Luther College, 1958. At Pacific Lutheran College since 1943.

ELVIN MARTIN AKRE

Associate Professor of History

B. A., Concordia College, 1928; graduate work, North Dakota State College, summer 1930; Concordia Conservatory of Music, summers 1930, 1931; University of Minnesota, summers 1935, 1936; M. A., University of Washington, 1941; graduate work, *ibid*, 1943-44, summer 1947 and 1947-48; University of Oslo, 1954; Oxford University, summer 1955. At Pacific Lutheran College since 1937.

DAVID A. BLACK

Instructor in English

B. A., Whitman College, 1951; M. A., University of Washington, 1958. At Pacific Lutheran College since 1958.

GRACE ELEANOR BLOMQUIST

Associate Professor of English

B. A., Concordia College, 1934; M. A., Syracuse University, 1939; graduate work, University of Minnesota, summer 1948; Goethe University, summer 1955. At Pacific Lutheran College since 1939.

VERNON C. CARLSON

Associate Professor of Education and English

B. A., Wittenberg College, 1928; Ph. D., Johns Hopkins University, 1947. At Pacific Lutheran College since 1955.

KENNETH E. CHRISTOPHERSON

Assistant Professor of Religion

B. A., Augustana College, 1946; B. Th., Luther Theological Seminary, 1950; graduate work, University of Oslo, 1955-56; University of Minnesota, 1956-58. At Pacific Lutheran College since 1958.

OSCAR KIRK DIZMANG

Assistant Professor of Economics and Business Administration

B. S., Kansas State College, 1927; M. A., University of Chicago, 1929; graduate work, University of Chicago, summers 1930-34 and 1941. At Pacific Lutheran College since 1955.

LESLIE OLIVER EKLUND

Dean of Men and Assistant Professor of Psychology

B. S., University of Nebraska, 1942; M. A., University of Nebraska, 1944. At Pacific Lutheran College since 1946.

DONALD RAYMOND FARMER

Associate Professor of Political Science

B. S. in Ed., University of Minnesota, 1944; Ph. D., University of Minnesota, 1954; graduate work, University of Minnesota, 1955; foreign study seminar year in Europe, 1948-49. At Pacific Lutheran College since 1955.

CARL GUSTAV FAULK

Manager of the Bookstore. Instructor in Economics and Business Administration

B. S., College of Puget Sound, 1936; graduate work, College of Puget Sound, 1936-1937, 1940-1941. At Pacific Lutheran College since 1954.

LEE FORD

Associate Professor of Biology

B. A., Wittenberg College, 1947; M. S., University of Minnesota, 1949; Ph. D., Iowa State College, 1952. At Pacific Lutheran College since 1956.

R. BYARD FRITTS

Associate Professor of Music

B. M., Wittenberg College, 1948; M. Mus., Eastman School of Music, University of Rochester, 1949; D. Mus., *ibid*, 1958. At Pacific Lutheran College since 1949.

JAMES D. GABRIELSEN

Assistant Professor of Physical Education and Coach of Football and Baseball

B. A., Concordia College, 1952; M. A., New York University, 1955. At Pacific Lutheran College since 1958.

JOHN EDWARD GAINES

Instructor in Geology and General Engineering

B. A., University of Washington, 1939; Petroleum Engineering Degree, Colorado School of Mines, 1947. At Pacific Lutheran College since 1956.

GORDON OLIVER GILBERTSON

Assistant Professor of Music

B. A., Concordia College, 1937; M. M., Northwestern University, 1942; Tanglewood, summer, 1948; University of Colorado, summer, 1952; University of Washington, summer, 1956. At Pacific Lutheran College since 1954.

STEWART D. GOVIG

Assistant Professor of Religion

B. A., St. Olaf College, 1948; B. Th., Luther Theological Seminary, 1952; M. Th., Princeton Seminary, 1954; graduate work, University of Oslo, 1957-58. At Pacific Lutheran College since 1958.

ARNOLD JASPER HAGEN

Assistant Professor of Education

B. A., Concordia College, 1931; M. Ed., University of Montana, 1941; D. Ed., University of Oregon, 1955. At Pacific Lutheran College since 1955.

PHILIP ENOCH HAUGE

Dean of the College, Registrar

B. A., St. Olaf College, 1920; M. A., University of Washington, 1924; graduate work, University of Chicago, summer 1933; Ph. D., University of Washington, 1942. At Pacific Lutheran College since 1920.

CHARLES E. HAYDON

Assistant Professor of German and Latin

B. A., University of Texas, 1932; M. A., Baylor University, 1935; graduate work, Sorbonne University, summers 1936, 1957; University of Grenoble, summer 1939. At Pacific Lutheran College since 1958.

JOHN R. HOLUM

Professor of Chemistry

B. A., St. Olaf College, 1950; Ph. D., University of Minnesota, 1954. At Pacific Lutheran College since 1958.

LUCILLE MARGUERITE JOHNSON

Associate Professor of English

B. A., Concordia College, 1940; M. A., Washington State College, 1943; graduate work, MacPhail School of Music and Drama, 1944; University of Colorado, 1945; University of Washington, 1947, 1955; University of Oslo, 1948. At Pacific Lutheran College since 1953.

CATHERINE STAUDT JORDAHL

Instructor in French and Spanish

A. B., Indiana University, 1925; International Exchange student at Lycee de Jeunes Filles de Saint Germain-en-laye, 1923-24; M. A., University of Wisconsin, 1928; Ph. D., University of Wisconsin, 1933. At Pacific Lutheran College part-time 1942-47, full time since 1957.

OLAF MELVIN JORDAHL

Professor of Physics

A. B., Luther College, 1925; M. S., University of Pittsburgh, 1927; Ph. D., University of Wisconsin, 1933. At Pacific Lutheran College since 1940.

THEODORE OSCAR HENRY KARL

Professor of Speech

B. A., Gustavus Adolphus, 1934; M. A., Gustavus Adolphus, 1936; graduate work, University of Southern California, summer 1951; Stanford University, summers 1952, 1953. At Pacific Lutheran College 1940-1942 and since 1948.

LARS EVERETT KITTLESON

Instructor in Art

B. S. in Art Educ., Milwaukee State Teachers College, 1950; M. S. in Applied Arts, University of Wisconsin, 1951; M. F. A. in Painting, University of Southern California, 1955. At Pacific Lutheran College since 1956.

RAYMOND A. KLOPSCH

Associate Professor of English

B. S., Illinois Institute of Technology, 1949; M. A., University of Illinois, 1950; graduate work, University of Illinois, 1950-1953. At Pacific Lutheran College since 1953.

ERICH CARL KNORR

Professor of Sociology

Graduate, St. Paul Luther College, 1921; Cancl. Theol., St. Paul Luther Seminary, 1924; B. A., Washington State College, 1929; M. A., Washington State College, 1930; Ph. D., University of Washington, 1946. At Pacific Lutheran College since 1949.

JENS KNUDSEN

Assistant Professor of Biology

B. A., Pacific Lutheran College, 1952; M. S., University of Southern California, 1954; Ph. D., University of Southern California, 1957. At Pacific Lutheran College since 1957.

ANNE ELISE KNUDSON

Associate Professor of English

B. A., Augustana College, 1928; M. A., State College of Washington, 1936; University of Washington, summer 1938; State College of Washington, summers 1940, 1941; University of California, summer 1946; University of London, summers 1949, 1955. At Pacific Lutheran College since 1946.

JOHN GEORGE KUETHE

Associate Professor of Religion, Philosophy

A. B., Capital University, 1940; B. D., Capital University, 1943; S. T. M., Union Theological Seminary, 1947; graduate work, Union Theological Seminary, 1943-1944; graduate work, Columbia University, summer 1946; graduate work, Union Theological Seminary, 1946-1947, summer 1947. At Pacific Lutheran College since 1954.

OTTILIE ELISE LITTLE

Professor of German

Western-Illinois State Teachers College, 2 year diploma, 1916; A. B., University of Illinois, 1923; M. A., University of Washington, 1926; graduate work, University of Chicago, summers 1917, 1918; Ph. D., Hanseatic University, Hamburg, Germany, 1937. At Pacific Lutheran College, 1946 to 1951, and since 1952.

GENE CARROLL LUNDGAARD

Instructor in Physical Education and Coach of Basketball

B. A. in Ed., Pacific Lutheran College, 1951; graduate work, *ibid*, summers 1956, 1957. At Pacific Lutheran College since 1958.

EUGENE ALFRED MAIER

Associate Professor of Mathematics

B. A., University of Oregon, 1950; M. A., University of Oregon, 1951; Ph. D., University of Oregon, 1954; graduate work, Princeton University, 1951-52. At Pacific Lutheran College since 1955.

GUNNAR JOHANNES MALMIN

Director of Choral Music and Professor of Music

B. A., Luther College, 1923; study abroad, 1923-24; B. M., St. Olaf College, 1925; graduate work, University of Minnesota, summer 1925; Northwestern University, first semester, 1927; M. Mus., University of Michigan, 1940. At Pacific Lutheran College since 1937.

RUTH VIRGINIA MOE

Instructor in Physical Education

B. A. in Ed., Pacific Lutheran College, 1953; M. S. in P. E., University of Washington, to be conferred June, 1959. At Pacific Lutheran College 1955-56 and since 1958.

INEZ E. MOORE

Instructor in Economics and Business Administration

B. A., University of North Dakota, 1915; graduate work, University of California, summer 1923; University of Washington, 1932, 1946. At Pacific Lutheran College since 1957.

ELINE KRAABEL MORKEN

Director of Nursing and Assistant Professor of Nursing

B. A., St. Olaf College, 1928; R. N. Emanuel Hospital School of Nursing, 1931; graduate work, University of Chicago, 1937; Gonzaga University, 1943; University of Washington, 1947; Eau Claire State Teachers College, 1949. At Pacific Lutheran College since 1953.

MILTON LUTHER NESVIG

Assistant Professor of English

B. A., St. Olaf College, 1937; Cand. Theol., Luther Theological Seminary, 1942; M. A., University of Minnesota, 1947. At Pacific Lutheran College, 1947-51 and since 1953.

FREDERICK LAURENCE NEWNHAM

Associate Professor of Music

Graduate, Royal Academy of Music, London, 1925; Teacher's Training Certificate, University of London, 1925; Associate, Royal College of Music, London, 1928; Licentiate, Royal Academy of Music, London, 1929; Associate, Royal Academy of Music, London, 1934; graduate work, McGill University, 1943-44. At Pacific Lutheran College since 1950.

ANNA MARN NIELSEN

Director of Teacher Education and Professor of Education

B. A., Iowa State Teachers College, 1929; M. A., Columbia University, 1935; graduate work, University of Washington, summers 1937, 1938, 1939. At Pacific Lutheran College since 1939.

MAGNUS NODTVEDT

Professor of History

B. A., St. Olaf College, 1917; A. M., Columbia University, 1920; Th. B., Luther Theological Seminary, 1925; Th. M., Princeton Theological Seminary, 1928; Ph. D., University of Chicago, 1950. At Pacific Lutheran College since 1947.

ERIC NORDHOLM

Instructor of Speech

B. F. A., Art Institute of Chicago, 1951; Valparaiso University, summer 1947; Indiana University, 1952-53. At Pacific Lutheran College since 1955.

ROBERT CARL OLSEN

Professor of Chemistry

B. S., Michigan State College, 1931; Ph. D., 1936. At Pacific Lutheran College since 1947.

BURTON THOMAS OSTENSON

Professor of Biology

B. A., Luther College, 1932; M. S., University of Michigan, 1934; Ph. D., University of Michigan, 1947. At Pacific Lutheran College since 1947.

ARNE KENNETH PEDERSON

Assistant Professor of Education

B. A., Pacific Lutheran College, 1949; B. E., Pacific Lutheran College, 1953; M. A., Pacific Lutheran College, 1955. At Pacific Lutheran College since 1956.

ANDERS WILLIAM RAMSTAD

Professor of Chemistry

B. A., St. Olaf College, 1914; Cand. Theol., Luther Theological Seminary, 1918; M. S., University of Washington, 1936; special work, University of Washington, summer 1940. At Pacific Lutheran College since 1925.

HERBERT ROBERT RANSON

Professor of English

B. A., University of Kansas, 1924; M. A., University of Kansas, 1926; Ph. D., University of Washington, 1936. At Pacific Lutheran College since 1940.

PAUL MATTHEW REIGSTAD

Assistant Professor of English

B. A., St. Olaf College, 1943; M. A., University of New Mexico, 1956; Ph. D., *ibid*, 1958. At Pacific Lutheran College 1947-48 and since 1958.

KELMER NELSON ROE

Associate Professor of Religion, Greek

B. A., Luther College, 1925; B. Th., Luther Theological Seminary, 1928; M. Th., Princeton Theological Seminary, 1929. At Pacific Lutheran College since 1947.

GEORGE ROSKOS

Associate Professor of Art

B. S. Art Ed., Youngstown College, 1949; M. A., Iowa University, 1950. At Pacific Lutheran College since 1950.

JUNET E. RUNBECK

Assistant Professor of Education

Graduate, Pacific Lutheran College, Normal Department, 1935; B. A., College of Puget Sound, 1951; M. A., Stanford University, 1957. At Pacific Lutheran College since 1953.

JOSEF EMIL RUNNING

Assistant Professor of Mathematics

B. A., St. Olaf College, 1916; M. A., University of Minnesota, 1941. At Pacific Lutheran College since 1948.

H. MARK SALZMAN

Assistant Professor of Physical Education, Athletic Director, and Coach of Track

B. A., Carthage College, 1947; graduate work, Bowling Green State Teachers University, 1943-44; Northern Illinois State Teachers College, 1947; George Williams College, 1948; M. A., University of Iowa, 1951. At Pacific Lutheran College since 1951.

JOHANNES A. SCHILLER

Assistant Professor of Sociology

B. A., Capital University, 1945; Cand. Theol., Capital University Seminary, 1947; M. A., University of Kansas City, to be conferred June, 1959.

WALTER CHARLES SCHNACKENBERG

Professor of History

B. A., St. Olaf College, 1939; M. A., Gonzaga University, 1947; Ph. D., Washington State College, 1950. At Pacific Lutheran College 1942-44 and since 1952.

RICHARD T. SCOTT

Instructor in Psychology

B. A., Southern Methodist University, 1954; M. A., University of Chicago, 1958. At Pacific Lutheran College since 1958.

THEODORE CAROL SJODING

Director of Secondary Education and Professor of Education

B. A., University of Saskatchewan, 1933; M. A., University of Minnesota, 1944; Ph. D., University of Minnesota, 1951. At Pacific Lutheran College since 1951.

JANE G. SMITH

Assistant Professor of Speech

B. A., Hastings College, 1945; M. A., Colorado State College, 1949; graduate work, University of Denver, summer 1954. At Pacific Lutheran College since 1957.

KRISTEN B. SOLBERG

Professor of Psychology

B. A., Augustana College, 1942; Ed. M., University of South Dakota, 1950; Ed. D., University of Wyoming, 1953. Post-doctoral trainee-ship, Veterans' Administration Hospital, American Lake, 1957. At Pacific Lutheran College since 1953.

WILLIAM LEONARD STRUNK

Professor of Biology

B. A., University of Minnesota, 1923; M. S., University of Minnesota, 1925; D. Sc., University of Michigan, 1931; special work, Oxford University, 1943. At Pacific Lutheran College since 1948.

HAROLD M. TETLIE

Instructor in Economics and Business Administration

B. A., St. Olaf College, 1951; M. B. A., University of Denver, 1956. At Pacific Lutheran College since 1957.

HUGH O'HARA THOMPSON

Assistant Professor of Economics and Business Administration

B. B. A., University of Washington, 1952; M. B. A., University of Arkansas, 1958. At Pacific Lutheran College since 1958.

PATRICIA THOMPSON

Instructor in Music

B. A., University of Washington, 1955; Certificate, Institut Jacques-Daleroze, Geneva, Switzerland, 1955-56; M. A., University of Washington, 1958. At Pacific Lutheran College since 1957.

VERNON A. UTZINGER

Associate Professor of Speech

B. A., North Central, 1922; M. A., Northwestern University, 1929; Ph. D., University of Southern California, 1952. At Pacific Lutheran College, 1950-1953 and since 1957.

PAUL G. VIGNESS

Assistant Professor of Religion and History

B. A., St. Olaf College, 1918; M. A., Stanford University, 1924; Ph. D., Stanford University, 1930. At Pacific Lutheran College since 1956.

MARGARET D. WICKSTROM

Dean of Women and Assistant Professor of Religion

A. B., Augustana College, 1937, graduate work there summer 1937; University of Wisconsin, summer 1939; Lutheran Bible Institute, 1948; M. R. E., The Biblical Seminary of New York, 1951. At Pacific Lutheran College since 1951.

RHODA HOKENSTAD YOUNG

Assistant Professor of Physical Education

Graduate, Pacific Lutheran College, 1935; B. A., University of Washington, 1937; M. S., University of Washington, 1956. At Pacific Lutheran College, 1938-42, and since 1943.

Assistants, Associates and Lecturers

DAVID LEE BERNTSEN

B. A., Pacific Lutheran College, 1958. Assistant in Physics. At Pacific Lutheran College since 1958.

HARRIET CALDWELL

B. A., Western Washington College of Education, 1935; M. A., Teacher's College, Columbia University, 1942; graduate work, University of Minnesota, summer 1956. Assistant in Education. At Pacific Lutheran College since spring semester 1959.

RONALD E. DOUGLASS

B. A., Pacific Lutheran College, 1953; M. A., Columbia University, 1955. Assistant in Physics. At Pacific Lutheran College since 1958.

HAROLD J. EVANS

B. A., Pacific Lutheran College, 1949; M. A., Columbia University, 1950. Assistant in Education. At Pacific Lutheran College, summer 1958.

ANGELO GIAUDRONE

B. A., Washington State College, 1935; M. A., *ibid*, 1948; Ed. D., Harvard University, 1953. Assistant in Education. At Pacific Lutheran College, summer 1958.

HAROLD F. GRAY

B. A., Pacific Lutheran College, 1944; B. Ed., College of Puget Sound, 1946; graduate work, University of Washington, summer 1947; M. A., College of Puget Sound, 1950. Assistant in Education. At Pacific Lutheran College, summers 1951, 1952, 1954, 1955, 1956, 1957, 1958.

JAMES M. HAGEN

B. A., St. Olaf College, 1948; M. S., State College of Washington, 1957. Assistant in Psychology. At Pacific Lutheran College since summer 1958.

IRENE HAIR

B. A., Black Hills Teachers College, 1940; M. A., Colorado State College of Education, 1943; graduate study, University of Minnesota, 1952. At Pacific Lutheran College, summers 1957, 1958.

ROBERT C. HALL

B. A., University of Washington, 1924; graduate work, University of Washington. Assistant in Education. At Pacific Lutheran College, summers 1951, 1952, 1953, 1955, 1958.

NEIL JULIAN HOFF

Graduate, Pacific Lutheran College, Junior College Division, 1941; B. S., University of Washington, 1947; L. L. B., *ibid*, 1949. Assistant in Economics and Business Administration. At Pacific Lutheran College since 1958.

MARGARET A. KEBLBEK

B. A., Western Washington College of Education, 1948; M. A., Central Washington College of Education, 1956. Assistant in Education. At Pacific Lutheran College since 1956.

HAROLD J. LERAAS

A. B., Luther College, 1930; M. S., University of Michigan, 1932; Ph. D., University of Michigan, 1935; D. D. S., University of Michigan, 1946. At Pacific Lutheran College, 1935-42, and 1955-56, and lecturer in Biology since January, 1947.

PERRY LONDON

B. A., Yeshiva College, 1952; M. A., Teachers College, Columbia University, 1953; Ph. D., Teachers College, Columbia University, 1956. Assistant in Psychology. At Pacific Lutheran College since spring semester 1957.

WILLARD A. MAINORD

B. S., M. S., State College of Washington, 1952; Ph. D., University of Washington, 1956. Assistant in Psychology. At Pacific Lutheran College since 1959.

CORNELIUS K. MALMIN

B. A., St. Olaf College, 1915; Cand. Theol., Red Wing Theological Seminary, 1917. Instructor in Norwegian. At Pacific Lutheran College since 1956.

CLIFFORD ORIN OLSON

B. A., Luther College, 1927; Summer Coaching School, Bemidji, Minnesota, 1929; State College of Washington, summer 1930; University of Washington, 1931; Luther College Coaching School, Decorah, Iowa, 1933. At Pacific Lutheran College, 1929-46, and associate in Public Relations since 1948.

IRMA L. PAINE

B. A., Western Washington College of Education, 1946; M. E., Western Washington College of Education, 1953. Assistant in Education. At Pacific Lutheran College since 1952.

JESSE PHILIP PFLUEGER

Emeritus Professor of Religion, Philosophy

B. A., Capital University, 1907; B. S., Capital University, 1910; Cand. Theol., Capital University, 1910; graduate of Tropical Medicine Course, Tuiane University, 1914; graduate work, Leipsic University, 1915; University of Washington, summer, 1931; D. D. Capital University, 1942; L. H. D., St. Olaf College, 1956. At Pacific Lutheran College since 1930.

RICHARD ROSENTHAL

B. A., Centenary College, 1949; B. H. L. and M. H. L., Hebrew Union College. Assistant in Hebrew. At Pacific Lutheran College 1956-57 and 1958-59.

ALBERT SCHIMKE

B. A., Eastern Washington College of Education, 1934; B. A. in Ed., University of Washington, 1943; graduate work, *ibid*, summers 1943, 1946, 1947. Assistant in Education. At Pacific Lutheran College summer, 1958.

EDWARD E. SPRINGER

B. S., Washington State College, 1950; M. A., Washington State College, 1953. Assistant in Education. At Pacific Lutheran College, 1957-59.

ELEANOR VOLBERDING

M. A., Ph. D., University of Chicago; post-doctoral, Ohio State University and University of Vienna. Assistant in Education. At Pacific Lutheran College, summer 1958.

KATHERYN E. WHITE

B. A., Western Washington College of Education, 1942; M. A., Teachers College, Columbia University. Assistant in Education. At Pacific Lutheran College, summers 1956, 1957, 1958.

Library

FRANK HAMILTON HALEY

Librarian

B. A., Willamette University, 1935; B. D., Drew University, 1945, graduate work there 1946, 1948; graduate work, University of Zurich, 1947; University of Cambridge, 1947; A. B. L. S., University of Washington, 1950. At Pacific Lutheran College since 1951.

ALMYRA H. S. BAKER

Assistant Librarian

B. A., St. Olaf College, 1934; B. E. L. S., University of Minnesota, 1939; M. A. L. S., University of Michigan, 1949. At Pacific Lutheran College since 1957.

Clinical Division

Associate Faculty—Emanuel Hospital

ESTHER A. JACOBSON

Assistant in Nursing Education

R. N. Fairview Hospital School of Nursing; B. A., Luther College, 1943; extension work, University of Minnesota, 1943-1950.

LE'TOILE KRON McFADDEN

Assistant in Nursing Education

Samuel Merritt Hospital School of Nursing, Oakland; R. N., B. Sc. in N. Ed., College of Holy Names, 1943; M. N., University of Washington, 1953.

HALVOR GEORGE RANDOLPH

Assistant in Religion

A. B., Upsala College, 1913; C. T., Augustana Seminary, 1918; graduate work, Biblical Seminary, summer 1925; Wesley Memorial Hospital, 1945; Institute of Pastoral Care, Boston, summer 1948.

ONALEE FROST

Assistant in Nursing Arts

R. N., Emanuel Hospital School of Nursing, 1949; B. S., University of Oregon, 1955.

DOROTHEA C. HARDIN

Assistant in Nursing Education: Maternity Nursing

R. N., Fort Wayne Lutheran Hospital School of Nursing; B. S., University of Michigan, 1943; graduate work, University of Oregon, 1948.

BARBARA HAUBROE

Assistant in Nursing Education: Surgical Nursing

R. N., Immanuel Hospital School of Nursing, Omaha, Nebraska; B. S. in Nursing, Omaha University; M. S. in Nursing, Boston University.

MARY LAVERTY

Assistant in Nursing Education: Medical Nursing

R. N., Providence Hospital School of Nursing, Seattle, Washington;
B. S. in Nursing Education, University of Oregon.

DOROTHEA MEAGHER

Assistant Therapeutic Dietitian

B. S., Washington State College, 1949.

LILA MUSTOLA

Instructor in Operating Room

R. N., Emanuel Hospital School of Nursing, 1946; additional work,
University of Oregon.

BERNICE PETERSON

Assistant in Nursing Education: Pediatrics

R. N., Swedish Covenant Hospital, Chicago; college work, Univer-
sity of Oregon.

ANNE M. ZARA

Assistant in Nursing Education: Orthopedics

R. N., University of Iowa College of Nursing.

Faculty Committees

The first named member of each committee is chairman. The President and the Dean are ex-officio members of all committees.

COMMITTEE ON COMMITTEES: Utzinger, G. Malmin, Runbeck

ADMISSION AND STUDENT ACADEMIC STATUS: Knorr, Niel-
sen, Fritts, Solberg, Blomquist; ex-officio: Eklund, Wickstrom, Olson

ARTIST SERIES: Nesvig, Newnham, Karl, and Chairman of Music
Department

ATHLETIC: Maier, Ostenson, Pederson; ex-officio: Karl, Salzman

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PROMOTE INTEREST IN GRADUATE STUDIES: Schnackenberg,
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1958

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Neal Lloyd Arntson
Robert Holten Aust
Richard Gerald Benson
David Lee Berntsen
Merle Dean Bjornsen
Marvin Oscar Bolland
Theodore Morris Bondurant
Sheldon Brooks
Shirley Jean Carlson
Patricia Ketner Chambers
Donald Arthur Cornell
Elmer Edwin Danielsen
Charles Howard Donhowe
Neil Thorbjorn Eastvold
Bruce Richard Ellis
Norman Robert Fiess
James Melvin Florence
Norman Olaf Forness
Marvin Ivan Frentress
Kevin Arnold Frenzel
Manley Kenneth Gjerde
Ross Warner Goetz
James Alan Haaland
Donald Ray Hall
Jerry R. Hanson
Dorothy Ann Hickman
David Stephen Hillesland
Keith Stanley Hoelt
Gordon James Hoffenbacker
Ordetta Rae Hovland
Milton Warren Jeter
John Arthur Johnson
Leon James Johnson
Lind Bernard Karlsen
Rodney Lynn Kastle
Kenneth Paul Kehle
Richard Steven Kent
James Edward Knorr
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David Romine Knutson
Neil Selmer Kvern
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Robert Sidney Lee
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Roger Lewis Mikulecky
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Nancy Gilchrist Millen
Donald Ross Miller
Dennis Dean Modahl
Duane Sigurd Moe
Jakob Sonderlund Mollerup
John Benedict Moon
Thomas Allen Nelson
John Arthur Nilsen
Thomas David Noonan
Vincent Leroy Novak
Wayne R. Olsen
Kenneth Norbert Olson
Roger Norman Olson
Gene Kenneth Peisker
David Fredrick Peterson
Donald George Peterson
Ronald Earl Pfrimmer
Thomas Charles Reeves
Janice E. Rindahl
Dennis Wayne Rodin
Robert LeRoy Rodin
Lawrence Thomas Ross
James Charles Ruff
Thomas Neil Sawyer
Milo Winston Scherer
Donald Hughes Seeborg
Joyce Victoria Shattuck
Lowell John Sheldahl
Jon Clarence Soine
Robert John Sorenson
Wendell Jay Stakkestad
William E. Sundstrom
John Raymond Svendby
Alvin Raymond Sylling
Lewis Eli Thompson
Martin Orvill Thompson
Frederick Lee Tobiason
Roy Martin Tribe
Ralph Harold Vigil
David Burton Wake
Lavern John Weber
Roger Ralph Westberg
Sven Fredrick Winther
Duane McArthur Wright

Bachelor of Arts in Education

Hannah Hay Ainscough
John Stanley Anderson
Donald Lee Arbogast
Harold Dean Bakken
Doris Leone Basehore
Jay Roderick Basehore
Gerald Clifton Bayne
James Nicholas Berentson
Roger Bjerk
Marilyn Joyce Boe
Julia Irene Brunner
Lynn W. Calkins
Gilio James Capelli
Mona Karlene Carlson
Herbert Allan Cartwright
Ruth Adeline Christian
Martha Gray Cole
Allen Louis Cudahy
Esther Miriam Ellickson
Janet Louise Emilson
Lois Elaine Erekvam
Richard Farness
Walter James Fitzpatrick
Ida Franklin
John Robert Fromm
Charles Theodore Geldaker
Thomas Arnie Gilmer
Barbara Louise Gronke
Sharon Yvonne Hagen
Viola Phillips Harrod
Evelyn Hayne
Carolyn Elizabeth Heins
Lois Arlene Hitz
Ronald Tau Wo Ho
Paul Lyng Hovland
Linda Hermeone Hurd
Luther Gerald Jerstad
Hazel Marguerite Johnson
Harriett Mary Jungblut
Curtis John Kalstad
Edna Karlinsey
Betsy Jane Kilmer
Joan Marie Knoph
John Edwin Kvamme
Georgia Ann Larsen

Arliss Doreen Lee
Solveig Marie Lee
Harold Ralph Lyckman
Ronald Wellen McAllister
Norman A. McCullough
Iva Pearl Magnuson
Joyce Marlene Markert
Donald Louis May
Harold Lloyd R. Meredith
Karen Misenhimer Monson
Donald Morris
Richard Lee Myking
Jack E. Newhart
Irving Paul Nygren
William F. Orme
Judith Benson Pedersen
Lorraine V. Peterson
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Stanley Read
Gerald Anton Redburg
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Patricia Gail Rothkow
Sherman Lee Russell
George C. Rutherford
Thomas Frank Sahli
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Katherine A. Schimke
Beverly Jean Severeid
LaVonne Wilma Severeid
Jack Dean Sinderson
Margaret N. Singleton
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Marilyn Louise Stolzenburg
Mary Lou Sword
Emma Coleen Therriault
Bonnie Lenore Troedson
Dana Blount Turcott
Janet Helen Turman
Robert Leland Ward
Beryl Rae Williams
J. LaVonne Winther
Nicholas K. Yost

Bachelor of Science in Nursing

Alice Marie Brunner
Joan Flaig
Donna Mae Giger
Ruth Elaine Haugse
Rose Ann Jacobson
Dorothy Elaine Johnson
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Preston Johnson, Jr.
Beverly Jean Krampitz
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Bachelor of Science in Medical Technology

Janet Marie Fryhling

Bachelor of Education

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Master of Arts

Robert William Bischoff
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Honorary Degrees

Doctor of Letters
Frank F. Warren

Doctor of Laws
Edward Charles Fendt

Doctor of Divinity
Arthur Olof Arnold
Fredric M. Norstad

Statistical Summary

Enrollment 1958-59

	Men	Women	Total
Graduates	78	104	182
Seniors	141	145	286
Juniors	156	132	288
Sophomores	196	186	382
Freshmen	311	304	615
Specials			
Music lessons only		2	2
Auditors	5	9	14
Other specials	5	4	9
TOTAL REGULAR			
SCHOOL YEAR	892	886	1,778
Summer Session Enrollment, 1958	227	379	606
TOTAL	1,119	1,265	2,384
Students Counted Twice	101	156	257
NET TOTAL	1,018	1,109	2,127

Geographical Distribution 1958-59

	Men	Women	Total
Washington	752	842	1,594
California	91	94	185
Oregon	77	86	163
Montana	26	29	55
Idaho	15	15	30
Alaska	7	7	14
North Dakota	4	6	10
Minnesota	4	3	7
Wisconsin	3	3	6
Colorado	2	2	4
Iowa	2	1	3
Hawaii	2	1	3
South Dakota	1	2	3
Arizona	2		2
Illinois	2		2
Michigan	2		2
New York	2		2
Alabama		1	1
District of Columbia		1	1
Florida	1		1
Indiana		1	1
Massachusetts	1		1
Missouri		1	1
New Mexico		1	1
Oklahoma		1	1
Texas		1	1
Utah	1		1
Wyoming		1	1
Germany		1	1
Canada	7	3	10
Hong Kong	5	2	7
Korea	5	1	6
Norway	2	2	4
Brazil	1		1
Iraq		1	1
Taiwan	1		1
TOTAL	1,018	1,109	2,127

Religious Affiliations 1958-59

LUTHERANS

	Men	Women	Total
Evangelical	369	356	725
American	102	111	213
Augustana	83	91	174
Missouri	39	43	82
United	21	38	59
Free	10	9	19
Danish	2	3	5
Church of Norway	2	2	4
Norwegian	3	1	4
American Evangelical	1		1
Finnish-Suomi	2	1	3
Wisconsin	2	4	6
Unclassified	37	23	60
TOTAL	673	682	1,355

OTHER DENOMINATIONS

	Men	Women	Total
Methodist	62	100	162
Presbyterian	53	71	124
Baptist	50	49	99
Catholic	27	40	67
Episcopalian	20	31	51
Christian	15	20	35
Independent Churches	10	22	32
Congregational	2	15	17
Pentecostal	13	4	17
Covenant	3	4	7
Latter Day Saints	3	4	7
Seventh Day Adventist	3	2	5
Christian Science	1	3	4
Friends		4	4
Jewish	1	3	4
Nazarene	2	2	4
Unitarian	1	2	3
Evangelical	1	1	2
Salvation Army	1	1	2
Armenian Orthodox		1	1
Buddhist		1	1
Greek Orthodox	1		1
Unclassified	76	47	123
TOTAL	345	427	772

GRAND TOTAL1,018 1,109 2,127

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