

1947

Seattle Pacific College Catalog 1947-1948

Seattle Pacific University

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Seattle Pacific College

SCHOLARSHIP

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A Leading
Christian College
of the West

★

Announces Its
Fifty-Sixth Year
1947-48

SEATTLE, WASHINGTON

SEATTLE PACIFIC COLLEGE LIBRARY

Annual Catalog
of
Seattle Pacific College



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FIFTY-SIXTH YEAR

★ ★ ★

*Register of Officers, Teachers and Students
for 1946-47. Requirements for Admission,
General Regulations, and Courses
of Instruction for
1947-48.*

SEATTLE PACIFIC COLLEGE

3307 Third Avenue West
SEATTLE 99, WASHINGTON

Calendar

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1947-48

CALENDAR FOR 1947-48

Summer Session 1947

May 12 to May 23	Pre-Registration Dates
June 16	Monday, 9:00 a.m. to 3:05 p.m. Registration Day for only those not in attendance Spring Quarter
June 17	Tuesday, 7:45 a.m. Class Instruction Begins
June 19	Thursday, 3:05 p.m. Last Day to Register or Add a Course—First Term
July 3	Thursday, 3:05 p.m. Last Day for Dropping Courses—First Term
July 4	Friday Independence Day, Holiday
July 18	Friday, 3:05 p.m. First Term Ends
July 21	Monday, 7:45 a.m. Class Instruction Begins—Second Term
July 23	Wednesday, 3:05 p.m. Last Day to Register or Add a Course—Second Term
Aug. 6	Wednesday, 3:05 p.m. Last Day for Dropping Courses—Second Term
Aug. 20	Wednesday, 3:05 p.m. Second Term Ends

Autumn Quarter 1947-48

Sept. 24, 25	Wednesday and Thursday, 2:00 p.m. Faculty Meeting
Sept. 26	Friday, 10:00 a.m. All Freshmen Meet in McKinley Auditorium
Sept. 26	Friday (after Chapel) Freshman Tests
Sept. 28	Sunday, 4:00 p.m. Musical Vespers
Sept. 27, 29	Saturday and Monday, 8:30 a.m. to 3:40 p.m. Registration of Freshmen
Sept. 30 and Oct. 1	Tuesday and Wednesday, 8:30 a.m. to 3:40 p.m. Registration of Upper Three Classes
Oct. 1	Wednesday, 8:00 p.m. First Student Vesper Service
Oct. 2	Thursday, 8:00 a.m. Instruction Begins
Oct. 2	Thursday, 9:30 a.m. Fall Convocation
Oct. 3	Friday (Afternoon and Evening) First All-School Hike
Oct. 9	Thursday, 3:40 p.m. Last Day to Register or Add a Course
Nov. 1	Saturday, 12:00 M. Last Day for Dropping Courses Without Receiving "E" When Unsatisfactory
Nov. 8	Saturday Upper Three Classes, Pre-Registration
Nov. 11	Tuesday Holiday, Washington Statehood Day
Nov. 15	Saturday Freshman Pre-Registration
Nov. 26	Wednesday, 3:40 p.m. Thanksgiving Recess Begins
Dec. 1	Monday, 8:00 a.m. Thanksgiving Recess Ends
Dec. 12	Friday, 8:00 p.m. Christmas Music Program
Dec. 18	Thursday, 3:40 p.m. Class Instruction Ends

Winter Quarter 1947-48

Nov. 8	Saturday Upper Three Classes, Pre-Registration
Nov. 15	Saturday Freshman Pre-Registration (Late registration fee will be imposed after given date for students attending Autumn Quarter)
Jan. 3	Saturday, 8:30 a.m. to 3:40 p.m. Registration of New Students
Jan. 5	Monday, 8:00 a.m. Class Instruction Begins
Jan. 10	Saturday, 12:00 M. Last Day to Register or Add a Course
Jan. 31	Saturday, 12:00 M. Last Day for Dropping Courses Without Receiving "E" When Unsatisfactory
Feb. 7	Saturday Upper Three Classes, Pre-Registration
Feb. 14	Saturday Freshmen, Pre-Registration
Mar. 17	Wednesday, 3:40 p.m. Class Instruction Ends

Spring Quarter 1947-48

Feb. 7	Saturday Upper Three Classes, Pre-Registration
Feb. 14	Saturday Freshmen, Pre-Registration (Late registration fee will be imposed after given date for students attending Winter Quarter)

Mar.	22	Monday, 8:30 a.m. to 3:40 p.m.	Registration of New Students
Mar.	23	Tuesday, 8:00 a.m.	Class Instruction Begins
Mar.	26	Friday	Good Friday, Holiday
Mar.	30	Tuesday, 3:40 p.m.	Last Day to Register or Add a Course
Apr.	24	Saturday, 12:00 M.	Last Day for Dropping Courses Without Receiving "E" When Unsatisfactory
May	11	Tuesday Afternoon	Field Day
May	31	Monday	Memorial Day, Holiday
June	3	Thursday, 3:40 p.m.	Class Instruction Ends
June	3	Thursday, 8:00 p.m.	Annual Music Program
June	4	Friday	Annual School Outing
June	5	Saturday, 6:30 p.m.	Alumni Banquet
June	6	Sunday, 3:00 p.m.	Baccalaureate Service
June	7	Monday, 10:00 a.m.	Fifty-Fifth Annual Commencement

Summer Session (Tentative) 1948

FIRST TERM

June	14	Monday, 9:00 a.m. to 3:05 p.m.	Registration Day
June	15	Tuesday, 7:45 a.m.	Class Instruction Begins
July	5	Monday	Independence Day, Holiday
July	16	Friday, 3:05 p.m.	Class Instruction Ends

SECOND TERM

July	19	Monday, 7:45 a.m.	Class Instruction Begins
Aug.	18	Wednesday, 3:05 p.m.	Class Instruction Ends

BOARD OF TRUSTEES

ACCESSION		EXPIRATION
1908	Charles S. McKinley, Alderwood Manor, Washington	1947
1915	Wells Gwinn, Seattle, Washington	1947
1916	Clayton E. Gibson (Secretary), Seattle, Washington	1949
1933	A. D. Frets, Mount Vernon, Washington	1948
1938	M. B. Robbins (President), Seattle, Washington	1947
1938	Roy Harrington, St. Helens, Oregon	1949
1939	C. Otto Lightle (Treasurer), Seattle, Washington	1948
1939	Guy V. Jones, Tekoa, Washington	1948
1940	F. J. Archer, Seattle, Washington	1949
1940	E. C. Stiles, Sumas, Washington	1949
1941	Elmer McDowell, Centralia, Washington	1947
1942	Ralph R. Richards, Wenatchee, Washington	1947
1942	C. W. Burbank, Yakima, Washington	1948
1943	Ralph J. Milton, Los Angeles, California	1949
1944	Lloyd Bartlett, Portland, Oregon	1947
1945	J. G. Bringdale, Seattle, Washington	1949
1945	Donald Allgor, Colville, Washington	1948
1945	Jesse Neeley, Aberdeen, Washington	1948

Executive Committee

MARION B. ROBBINS, Chairman	C. E. GIBSON, Secretary
C. S. MCKINLEY	C. W. BURBANK
C. OTTO LIGHTLE, Treasurer	F. J. ARCHER
A. D. FRETTS	

FACULTY

CHARLES HOYT WATSON, A.M., LL.D. 3227 Third Ave. W.
President ALder 1671

A.B., University of Kansas, 1918; A.M., University of Kansas, 1923; LL.D., Whitworth College, 1941. Instructor, Orleans Seminary, 1910-11, 1913-14; Principal, Central Academy and College, 1914-16; Assistant Professor of Education, University of Kansas, 1918-23; Head, Science Department, Seattle Pacific College, 1923-25; Associate in Education, University of Washington, 1925-26; President, Seattle Pacific College, 1926—.

WILLARD D. ALDRIDGE, B.S. 3026 Fourth Ave. W.
Part-time Instructor in Physics

B.S., Seattle Pacific College, 1942; Graduate of Engineering, Science and Management War Training Course in Electronics, Harvard University and Massachusetts Institute of Electronics, 1944. Part-time Instructor, Seattle Pacific College, 1947—.

PHILIP F. ASHTON, A.M., Ph.D. 3217 Fifth Ave. W.
Dean of Students and Veterans' Counsellor; ALder 2582
Professor of Psychology.

A.B., University of Washington, 1927; A.M., 1929; Ph.D., 1937. Instructor in Mathematics, Centralia High School, Washington, 1927-28; Seattle Y.M.C.A. Schools, Washington, 1928-29; Principal of Academy and Instructor in Psychology, 1929-33; Professor of Psychology and Registrar, 1933-38; Vice-President, 1938-42, Seattle Pacific College; Lecturer in Education, University of Washington, summers 1939 and 1942. Professor of Psychology and Education and Dean, Houghton College, 1942-44. Visiting Professor, Wheaton College, summers 1943 and 1944. Director of Personnel and Guidance, Professor, Seattle Pacific College, 1944-46, Dean of Students and Professor of Psychology, 1946—.

BURTON L. BEEGLE, M.S. 3231 Fifth Ave. W.
Dean of the College and Professor of Mathematics. GARfield 4626

A.B., University of Washington, 1917; M.S., University of Washington, 1936; one quarter's work toward Ph.D. at the University of Washington; Instructor, Mathematics and Physics, Seattle Pacific College, 1917-22; Missionary, Panama Canal Zone, 1922-26; Instructor, Mathematics, Seattle Pacific College, 1926-27; Professor, 1927—; Registrar, 1938-42; Dean, Seattle Pacific College, 1942—.

MARGARET A. BURSELL, B.E., B.S. in Librarianship. . . 139 North 132nd St.
Librarian. GRant 3807

B.E., University of Washington, 1922; B.S. in Librarianship, University of Washington, 1931. Librarian, Seattle Pacific College, 1937—.

ELVIS E. COCHRANE, M.A., Th.M., D.D. 416 West Dravus
Associate Professor of Philosophy and Religion GARfield 9448

A.B., Greenville College, 1915; M.A., University of Southern California, 1921; Th.M., University of Southern California, 1935; D.D., Seattle Pacific College, 1942. Pastor and Conference Superintendent, Southern California Conference, 1919-1946; Professor of Greek, Pacific Bible College, 1945-46; Associate Professor, Seattle Pacific College, 1946—.

LILLIAN DANIELSON, A.B. 624 West Emerson
Associate Professor of Speech GARfield 6124

A.B., College of Puget Sound, 1924; Graduate of Northwestern University School of Expression, 1903. Director of Speech, Morningside College, 1903-04; Director of School of Expression, Hutchinson, Kansas, 1907-09; Director of Speech Department, Union College, 1910-13, 1917-20; Instructor, Harwood Boys' School, 1927-28; Tennessee Wesleyan College, 1928-34; Instructor, 1934-35; Associate Professor, Seattle Pacific College, 1935—.

BURTON D. DIETZMAN, A.M. 63 West Dravus
Associate Professor of Chemistry.

B.S., Greenville College, 1934; M.A. Indiana University, 1940. Instructor in Science, Wessington Springs Junior College, 1934-41; Associate Professor of Chemistry, Greenville College, 1941-43; Chemist in charge of analytical laboratories, Permutit Water Conditioning Company, New York, 1943-46; Associate Professor, Seattle Pacific College, 1946—.

TALMAGE F. ELWELL, B.B.A., C.I.U. 5023 2nd N.W.
Part-time Instructor in Organ and Secretarial Training. SUNset 3812

B.B.A., University of Washington, 1924; Graduate work in Organ, University of Washington, 1930-33; C.I.U., American College of Life Underwriters, 1935. Registrar and Head of Commercial Department, Moran School and Junior College, 1924-30; Organist, Woodland Park Presbyterian Church, 1935-38; Organist, Queen Anne Baptist Church, 1938-42; at present, Organist and Choir Director, University Congregational Church; Dean of the Western Washington Chapter A.G.O., 1942-1944; Part-time Instructor, Seattle Pacific College, 1941—.

VIOLET E. HARRIS, B.F.A., A.B. 4737 Fourth N.E.
Assistant Professor of Art. MELrose 0812

B.F.A., University of Washington, 1925; A.B., Seattle Pacific College, 1941. Instructor, Pless School, 1927-28; Instructor and Principal, Hartline High School, 1928-30; Instructor, Custer Union High School, 1930-34; Instructor, Seattle Pacific College, 1934-41; Instructor, Seattle City Schools, 1941-46; Assistant Professor, Seattle Pacific College, 1946—.

E. WALTER HELSEL, A.B., S.T.B. 3027 Third Ave. W.
Dean of the School of Religion and Professor of Religion. GARfield 2167

A.B., Seattle Pacific College, 1939; S.T.B., New York Biblical Seminary, 1942. Associate Professor of Religion, Seattle Pacific College, 1942-45; Professor, 1945—; Dean, School of Religion, Seattle Pacific College, 1942—.

OLIVE M. HENKLE, R.N., A.B. 3307 Third Ave. W.
Head Preceptress. ALder 1337

R.N., McPherson Hospital, McPherson, Kansas, 1921; A.B., Greenville College, 1943. Resident Nurse, Life Line Orphanage, Kansas City, 1937-39, 1941-42; Resident Nurse, Kansas State School for the Deaf, 1943-1946; Head Preceptress, Seattle Pacific College, 1946—.

JOHN HOPPER 4554 Latona
Part-time Instructor in Piano. MELrose 0253

Graduate, Cornish School; studied in Europe, 1927-28. Soloist with the Seattle Symphony Orchestra five consecutive seasons; faculty member of the University of Montana, Summer 1929; of Central Washington College of Education, 1932-33, and sixteen years at Cornish School; Part-time Instructor, Seattle Pacific College, 1941—.

ELEANOR L. IORNS, B.A., M.A. 1215 East 62nd
Part-time Instructor in Spanish. KENwood 5830

B.A., Highland College, 1901; M.A., Highland College, 1904; B.A., University of Washington, 1928. Missionary to Puerto Rico, 1903-1908; Instructor in Spanish, Seaside and Astoria, Oregon, High Schools, 1910-17; Instructor in Spanish, Queen Anne High School, Seattle, 1917-45; Girls' Advisor, Queen Anne High School, 1925-38; Instructor, Seattle Pacific College, 1946—.

A. LORRAINE JOHNSON, B.S. 609 W. Cremona
Part-time Instructor in Home Economics.

B.S., University of California, 1946. Instructor, Seattle Pacific College, 1946—.

GOLDA NELSON KENDRICK, A.M., Ph.D. Woodenville, Wash.
Professor of English and French.

A.B., University of Nebraska, 1910; A.M., University of Washington, 1935; Ph.D., University of Washington, 1939; Student in Voice, Gabrielle Lapiere, Paris, and Sir Henry Wood, London, 1927-28. Director of Music and Allied Arts, Seattle Pacific College, 1920-25; Private Teaching in Voice, Seattle Studio, 1929-33; Teaching Fellow in Romantic Language Department, University of Washington, 1933-37; President of Washington State Federation of Music Clubs, 1936-38; National Chairman, Department of American Folk Music Research, National Federation of Music Clubs, 1937—; Associate Professor, Seattle Pacific College, 1935-41; Professor, 1941-43 and 1945—.

GEORGE T. KLEIN 56 W. Dravus
Field Secretary. GARfield 4082

Field Secretary, Seattle Pacific College, 1945—.

E. C. KNORR, A.M., Ph.D. 810 Crockett
Assistant Professor in Sociology. ALder 0733

B.A., Washington State College, 1929; A.M., Washington State College, 1930; Ph.D., University of Washington, 1946. Associate in Sociology, University of Washington, 1945-46; Assistant Professor, Seattle Pacific College, 1946—.

CLARA D. KORTEMEIER, A.B., B.S.L. 3307 Third Ave. W.
Preceptress. ALder 1337

A.B., University of Washington, 1919; B.S.L., Chicago Evangelistic Institute, 1928; Graduate work, University of Washington, 1945-46. Missionary to China, 1922-41; Preceptress, Seattle Pacific College, 1946—.

DOROTHY BOYD KREIDER, A.B. 3233 5th West
Part-time Instructor in Home Economics. ALder 2413

A.B., Seattle Pacific College, 1933; Graduate student, University of Washington. Part-time Instructor, Seattle Pacific College, 1942-44, 1945—.

VIVIAN LARSON, A.M. 62 W. Cremona
Assistant Professor of Education. ALder 4074

A.B., Bethany-Peniel College, 1931; A.M., University of Iowa, 1938. Critic Teacher, Wessington Springs College, 1932-37; Director of Teacher Training, Wessington Springs College, 1938-40; Assistant Professor of Education, Director of Activity School, Greenville College, Summers, 1938-40; Instructor in Education and Supervisor, Seattle Pacific College, 1940-41; Assistant Professor, 1941—.

CHARLES N. LESTER, M.D. 2560 Ninth Ave. W.
School Physician. GARfield 7482

Director of the College health program.

C. MAY MARSTON, A.M. 3307 Third Ave. W.
Professor of German and English. ALder 1337

A.B., Greenville College, 1902; A.M., University of Washington, 1914; spent one summer traveling in England and Europe; course work practically completed for Ph.D. degree at University of Washington. Instructor in Foreign Language, Seattle Seminary, 1902-10; Instructor in German and French, 1910-16; Instructor in German, Central College, 1916-18; Professor, Seattle Pacific College, 1918—.

MAMIE C. MATSON, A.M. 3307 Third Ave. W.
Associate Professor of English. ALder 1337

B.S., South Dakota State College, 1916; A.M., University of Wisconsin, 1930; five quarters graduate study, University of Kansas. Instructor in English, Wessington Springs Junior College, 1918-19; Professor of English, Central College, 1920-21, 1923-42; Associate Professor, Seattle Pacific College, 1946—.

HARVEY C. McMILLIN, Ph.D. 525 Emerson
Professor of Physiology and Zoology. GARfield 6164

B.S., University of Washington, 1923; Ph.D., Stanford University, 1935. Biologist, Washington State Fisheries, 1924; Biologist, United States Bureau of Fisheries, 1924-26, 1927-33; Professor of Biology, Los Angeles Pacific College, 1926-27, 1935-36; Consulting Biologist, 1933-35; on leave as Fisheries Technologist, Foreign Economic Administration, Lima, Peru, 1944-46; Professor, Seattle Pacific College, 1936—.

OTTO M. MILLER, M.S. 403 W. Dravus
Executive Vice-President; Professor of Physics. GARfield 7880

B.S., University of Nebraska, 1926; M.S., Kansas State College, 1932; two and one-half years toward Ph.D. degree at University of Washington. Principal, Ulysses, Nebraska High School, 1924-25; Teaching Assistant, Engineering Physics and Science Methods, University of Nebraska, 1925-26 and summers of 1925, 1927; Head, Science Department, Central Academy and College, 1926-27, 1929-37; Head, Science Department, Manhattan, Kansas, High School, 1927-29; Dean, Central Academy and College, 1927-37; Dean and Professor of Physics, Seattle Pacific College, 1937-42; Lecturer in Physics, 1943-44; Executive Vice-President, Professor, Seattle Pacific College, 1944—.

HUGH C. MINER, A.B. 2916½ Fourth West
Director Men's Athletics; Part-time Instructor of Physical Education.

A.B., Greenville College, 1942; one summer's work at University of Illinois; Graduate work at University of Washington. Pilot, Army Air Corps, 1942-45; Coach, Director of Men's Athletics and Part-time Instructor, Seattle Pacific College, 1945—.

JACOB MOYER, A.M. 3307 Third Ave. W.
Dean of Men and Professor Emeritus of Chemistry. ALder 1337

A.B., Greenville College, 1901; A.M., University of Michigan, 1907; one summer at the University of Michigan and two summers at the University of Washington toward Ph.D. degree. Mathematics and Science, Spring Arbor Seminary, 1901-05; Teaching Assistant, Engineering Chemistry, University of Michigan, 1905-07; Dean Greenville College, 1907-10; 1912-17; Head, Science Department, Greenville College, 1907-17; Chemistry, Fargo High School, 1917-19; Chemistry and Research, North Dakota Agricultural College, 1919-21; Head Chemist, North Dakota State Food Laboratory, 1921-25; Dean of College, Seattle Pacific College, 1925-37; Dean of Men and Professor of Chemistry, Seattle Pacific College, 1925-46; Dean of Men and Professor Emeritus, Seattle Pacific College, 1946—.

MABEL JONES MOYER. 3307 Third Ave. W.
Instructor in Piano. ALder 1337

Graduate, Greenville College of Music, 1901; student of Rudolph Ganz, Chicago Musical College, 1902; Assistant in Piano, Greenville College, 1899-1901; Head of Music Department, Spring Arbor Seminary, 1903-17; Director of Music, Greenville College, 1907-10; Director, School of Music, Seattle Pacific College, 1933-40; Instructor, 1925—.

CANDIS NELSON, A.M. 4027 University Way
Dean Emeritus of College of Education. MELrose 0057

A.B., University of Nebraska, 1905; A.M., University of Nebraska, 1910; one summer toward Ph.D. at University of California; spent one summer recently in travel in Europe and Asia. Principal, elementary school, 1901-06; Instructor in Education, Nebraska Wesleyan University, 1908-09; Assistant Superintendent of Teacher Training, Valley City State Normal, 1910-12; Associate Professor of Education and Psychology, Valley City State Normal, 1917-19; Lecturer in Education, University of Southern California, 1919-20; Head of Teacher Training School, San Francisco, State Normal, 1920-21; Professor of Education and Dean of College of Education, Seattle Pacific College, 1921-40; Professor of Education and Sociology, 1940-42; Dean Emeritus of College of Education, 1940—.

EDNA L. PUFFER, M.A. 8231 Second N.E.
Part-time Instructor in Marathi. KENwood 8976

B.S., University of Washington, 1912; M.A., Columbia University, 1926; Missionary to India, 1919-46; Co-author of book, "Daily Worship" in the Marathi language; Part-time Instructor, Seattle Pacific College, 1946.

FLOYD A. PUFFER, M.A., LL.D. 8231 Second N.E.
Lecturer in Missions. KENwood 8976

B.A., University of Washington, 1919; M.A., Columbia University, 1926; LL.D., Seattle Pacific College, 1943. Missionary to India, 1919-46; Superintendent Mission Schools, Yeotmal, India, 1920-25, 1926-30; Principal Union Training College, Ahmednagar, India, 1930-32; Principal Mission Schools, Yeotmal, 1933-45; Lecturer on Missions, Seattle Pacific College, 1946—.

CLIFFORD E. ROLOFF, A.M. 3221 Fifth West
Bursar; Associate Professor of History and Economics.

A.B., Seattle Pacific College, 1931; A.M., University of Washington, 1932; course requirements for Ph.D. completed at University of Washington. Professor History and Social Science, Wessington Springs College, 1934-36; Teacher Central High School, Aberdeen, South Dakota, 1936-40; Dean and Registrar, Wessington Springs College, 1940-42; Summer School Staff, Greenville College, 1941; Part-time Instructor in Economics, Cascade College, 1943-44; Bursar, Assistant Professor, Seattle Pacific College, 1944-46; Bursar and Associate Professor, 1946—.

LAWRENCE R. SCHOENHALS, A.M. 2911 First North
Registrar, Professor of Music, Director School of Music. ALder 3695

A.B., Greenville College, 1935; A.M., University of Michigan, 1938; Graduate study, University of Washington; Theory under Dr. Ernest R. Kroeger of St. Louis; Voice under C. A. Gerber, Robert Woods, and Arthur Hackett. Director of Band and Orchestra, Greenville College, 1932-35; Instructor in Voice and Director of Choral Music, Central College, 1935-37; Professor of Music and Head of the Music Department, Huntington College, 1937-40; Associate Professor of Music and Director, School of Music, Seattle Pacific College, 1940-42; Professor and Director, School of Music, Seattle Pacific College, 1942—.

MILDRED M. SCHOENHALS, A.B. 2911 First North
Part-time Instructor in Piano. ALder 3695

A.B., Greenville College, 1932; Pianoforte Soloist's Diploma under Dr. Ernest R. Kroeger of St. Louis, 1933; Student of Joseph Brinkman, University of Michigan, Summer, 1938. Instructor in Piano and Public School Music, Greenville College, 1932-33; Supervisor of Music, Vandalia, Illinois, Public Schools, 1933-35; Instructor in Piano, Huntington College, 1937-40; Part-time Instructor, Seattle Pacific College, 1940—.

EVA A. SHERWOOD, A.B., M.A., R.N. 4712 Fifth N.E.
Assistant Professor and Director of Nursing Education.

A.B., Iowa State Teachers College, 1925; A.M., Emory University, 1933; Certificate in Nursing Supervision, University of Washington, 1939; Nursing practice in hospitals in Atlanta, New Haven, Bellingham, Seattle, and Great Falls. Assistant Educational Director and Instructor in Nursing Arts, Montana Deaconess Hospital, 1939-42; Director of Nursing Education and Nursing Service, Montana Deaconess Hospital, 1942-43; Assistant Professor and Director of Nursing Education, Seattle Pacific College, 1943—.

MABEL R. SHIPLEY, A.M. 3211 Fifth West
Dean of Women; Professor of History. ALder 3583

Graduate of North Pacific Evangelistic Institute, 1927; A.B., Seattle Pacific College, 1929; A.M., University of Washington, 1932; all course requirements for Ph.D. completed at University of Washington. Instructor in History, Seattle Pacific College, 1929-34; Professor, Seattle Pacific College, 1934—; Dean of Women, 1944—.

CHARLES F. SHOCKEY, M.S. 416 W. Dravus
Associate Professor of Bacteriology and Zoology. GARfield 9448

B.S., University of Washington, 1935; M.S., Oregon State College, 1940. Instructor in Zoology, Seattle Pacific College, 1935-36; Laboratory Assistant State Seafood Laboratory, 1940; Instructor Bacteriology, Public Health and Sanitary Bacteriology, Seattle Pacific College, 1941-42; Bacteriologist, National Antiseptics, Inc., 1940-42; General Sanitarian State Department of Health, 1942-48; Technologist and Bacteriologist, U. S. Fish and Wildlife Service, 1943-44; Assistant Professor, Seattle Pacific College, 1944-46; Associate Professor, 1946—.

DOROTHY STERNER, A.B. 3307 Third Ave. W.
Preceptress. ALder 1337

A.B., Seattle Pacific College, 1945; Graduate Work, Columbia University, Summer of 1945. Preceptress, Seattle Pacific College, 1944—.

WILLARD F. TREPUS, B.S. 7009 17th N.W.
Instructor in Industrial Arts and Engineering. SUNset 6258

B.S., Seattle Pacific College, 1937; Graduate Study, Washington State College and University of Washington. Instructor, Sequim Junior High School, 1937-38; Harper Schools, 1938-41; Bremerton City Schools, 1941-46; Instructor, Seattle Pacific College, 1946—.

ELDON TURNIDGE, B.S. 3307 Fifth Ave. W.
Instructor in Physics and Aeronautics. GARfield 0705

B.S., Seattle Pacific College, 1942; Graduate of C.A.A. training program and licensed pilot. Instructor, Seattle Pacific College, 1946.

BOKKO TSUCHIYAMA, A.B., Th.M. 3307 Third Ave. W.
Instructor in Japanese and Oriental Studies. ALder 1337

A.B., Greenville College, 1942; B.D., Princeton Theological Seminary, 1944; Th.M., Princeton Theological Seminary, 1945; Advanced Graduate studies Princeton Theological Seminary, 1945-46. Assistant of the Gest Oriental Research Library of the Institute for Advanced Study, Princeton University, 1943-45; Instructor, Seattle Pacific College, 1946—.

GEORGE VAUSE, B.S., S.M.M. 25 W. Cremona
Assistant Professor of Organ, Voice and French. GARfield 1861

Graduate diplomas in Piano, Organ, and Theory, Institute of Musical Art, New York, 1917; Student at Royal College of Music, London, 1920-21; B.S., Teachers College, Columbia University, 1943; S.M.M., Union Theological Seminary, 1943. Instructor in French, U. S. Army, 1916-18; Musical Director, Mutual Broadcasting System, 1926-30; Accompanist for many years to Margaret Matzenauer, Lawrence Tibbett, Virginia Ray, Clarence Whitehall and many others; Organist, Broadway Presbyterian Church, New York City, 1925-33, and at West End Presbyterian Church, New York City, 1933-43; Musical Compositions published by Schirmer and Schmidt; Assistant Professor, Seattle Pacific College, 1943—.

*F. WESLEY WALLS, A.B., M.A. 9 Ray St.
Assistant Professor of Physical Education and Political Science. ALder 3122

A.B., Greenville College, 1937; M.A., University of Washington, 1943. Field Secretary for Central College, 1940-41; Instructor, Seattle Pacific College, 1941-44; Assistant Professor, 1944—.

ELSIE C. WATSON 3227 Third Ave. W.
Dormitory Counselor. ALder 1671

Sometime a student at the University of Kansas. Instructor, Orleans Seminary, 1910-11; Dean of Women, Seattle Pacific College, 1926-44; Dormitory Counselor, Seattle Pacific College, 1944—.

WINIFRED E. WETER, A.M., Ph.D. 4336 53rd N.E.
Professor of Classical Languages.

A.B., University of Oregon, 1929; A.M., University of Chicago, 1930; Ph.D., University of Chicago, 1933. Daniel L. Shorey Fellow, University of Chicago, 1931-32; Instructor in Latin, Helen Bush School, 1934-35; Professor, Seattle Pacific College, 1935—.

PAUL W. WRIGHT, A.M. 202 West 48th
Dean of School of Education; HEmlock 0641
Professor of Education and Psychology.

A.B., University of Washington, 1928; A.M., University of Washington, 1933; all course requirements for Ph.D. completed at the University of Washington, High School Principal's and Superintendent's Credentials, State of Washington, 1936. High School Instructor, Rockford, Washington, 1928-29; Principal, Rockford High School, 1929-30; High School Instructor, Davenport, Washington, 1930-35; Principal, Davenport High School, 1935-37; Visiting Lecturer, Seattle Pacific College, summer session, 1938; Director of Guidance and Research, Everett Public Schools, 1937-40; Professor and Dean of School of School of Education, Seattle Pacific College, 1940—.

*On Leave of Absence, Chaplain in U. S. Army.

CAMPUS OFFICERS

Jacob Moyer, Proctor of Men's Hall
Elsie C. Watson, Dormitory Counselor.
Clifford E. Roloff, Director of Student
Work Assignments
Eva A. Sherwood, R.N., Head Nurse
Olive M. Henkle, Head Preceptress
Clara D. Kortemeir, House Mother,
Watson Hall
Dorothy Sterner, House Mother, Ade-
laide Hall

Mrs. Mabel J. Moyer, House Mother,
Alexander Hall
Carl D. Smith, Chief Engineer
R. L. Scandrette, Superintendent of
Buildings
Glen E. Leasor, College Chef
Florence Leasor, Buyer and Manager of
Boarding Department
Flora Ashton, Supervisor of Book Store

ADMINISTRATIVE OFFICERS

C. Hoyt Watson, President
O. M. Miller, Executive Vice-President
Burton L. Beegle, Dean of the College
Philip F. Ashton, Dean of Students and
Veteran's Adviser.
Lawrence R. Schoenhals, Registrar
Clifford E. Roloff, Bursar
Jacob Moyer, Dean of Men

Mabel R. Shipley, Dean of Women
Margaret Bursell, Librarian
Charles N. Lester, M.D., Director, Health
Program
Anna G. Damon, Bookkeeper
Constance Newville, Secretary to the
President

STUDENT ASSISTANTS

Francis Horrell, '48, Bacteriology, 1946—.
George Brediger, '50, Band, 1946—.
Martha Harriff, '48, Assistant Book-
keeper, 1946—.
Marguerite Palmer, '48, Chemistry,
1945—.
Betsy Burleigh, '47, Chemistry, 1946—.
Glen Hallman, '50, Chemistry, 1946—.
Philip Capp, '50, Assistant to College
Chef, 1946—.
Pansybell Wright, '47, Assistant to Dean
of Education, 1943—.
Helen E. Sheffer, '47, R.N., School Nurse,
1945—.
Ruth Thorsen, '48, R.N., Assistant School
Nurse, 1946—.

Bessie Finlay, '48, R.N., Assistant School
Nurse, 1946—.
Ed Silva, '49, Physical Education, 1945—.
Jean Beegle, '47, Physical Education,
1945—.
J. MacReddick, '47, Physics, 1945-47.
Robert Corson, '48, Physics, 1946—.
Lester Aldridge, '47, Physics, 1946-47.
Dorothy Stanbra, '47, Physiology, 1946—.
David McMillin, '47, Physiology, 1946—.
Wanda Reid, '48, Piano, 1945—.
Dorothy Henkle, '47, Piano, 1946—.
Dorothy Hart Hoff, '47, Piano, 1946—.
Ruth McIntyre, '47, Assistant to Regis-
trar, 1945—.

GENERAL INFORMATION

History

Seattle Pacific College was founded under the auspices of the Free Methodist Church in June, 1891, and opened its doors to students in March, 1893. By recent action of the Board of Trustees the founding date of 1891 has been set as the date from which to compute the age of the school. Consequently, 1947-1948 constitutes the fifty-sixth year.

For more than twenty years it was known as "Seattle Seminary." During those pioneer years the course of study was of regular high school grade. College work was introduced in 1910. In 1915 the name was changed to "Seattle Pacific College." For some years after the introduction of college work, the high school department continued to be the dominant department. In later years the enrollment in the high school department decreased. This fact coupled with a rapid growth of the college enrollment finally resulted in the discontinuance of the high school in 1936. As a result, today Seattle Pacific College fills with credit its place as Seattle's only Protestant four-year college and as an outstanding Christian College of the Pacific Northwest.

The founding and development of Seattle Pacific College is a real demonstration of the integrity and vision of many Christian men and women and of their faith in the real worth of Christian Education. Maintaining a school with such high ideals for fifty years and more has been done at the cost of heroic sacrifice and devotion. At times in the past when adverse conditions were present and it seemed that the school could continue no longer, many of these faithful men and women jeopardized almost all their earthly possessions in assuming the school's financial obligations so as to tide it through the crisis.

Others, less able to give money, gave unstintingly of their services. It would be futile to attempt to enumerate all who are worthy of mention. The complete list would include the various faculty and Trustee Board members and many patrons and friends.

The Campus

Seattle Pacific College is located in the very heart of Seattle, Washington, on the beautiful Puget Sound. The metropolitan area of Seattle has a population above 500,000. The Cascade Mountains to the east, the Olympics to the west, are snow-capped the year around. The entire situation is such as to make a very mild and healthful climate.

The College campus comprises about eight acres of land in what is known as the North Queen Anne District. The Lake Washington Government Canal, which contains locks second only to those on the Panama Canal and which has made Seattle known the world over for its fresh water harbor, passes within two blocks of the campus. To see the ocean liners moving gracefully along this canal is a most interesting sight. City busses stop near the corner of the Campus.

Seattle is the western terminus for four of the trans-continental railroads. These are the Union Pacific System, Northern Pacific Railway, Great Northern Railway, and the Chicago, Milwaukee, St. Paul & Pacific Railway. In addition to these, Seattle is reached by connection with the Southern Pacific Railway at Portland and the Canadian Pacific and Canadian National Railroads at Vancouver, B. C.

Buildings

The *Nils B. Peterson Hall* is the main administration building. It is located in the center of the eight-acre campus, and is a modern structure with a pressed brick veneer. In this building will be found the *Marston Chapel* (named in honor of Miss C. May Marston) in which is the A. J. Marston memorial organ. This hall also houses the O. A. Burns Library, the administrative offices, laboratories and class rooms.

The *Grace Tiffany Hall* is a women's residence hall in which are located a reception hall, parlor, social room, several class rooms, and twenty-five student rooms. Most of these rooms are provided with both hot and cold water.

The *Alexander Beers Hall* is a men's residence hall with forty dormitory rooms and is furnished with shower baths on each floor. This four-story brick structure is located on the south side of the campus and commands a fine view of the other buildings and the grounds.

The *Adelaide Hall*, a women's dormitory, is a one-story frame building consisting of fifteen student rooms.

Watson Hall, named in honor of President and Mrs. C. H. Watson, is a new residence building located on the northwest corner of the campus. This is a women's dormitory with twenty-five student rooms and also houses the new dining room and kitchen. This building is modern in every respect and provides a private bath for each room.

The *Mimerva Norton House* is a residence hall for staff workers. This is an eleven room house near the northwest corner of the campus.

The *McKinley Auditorium* is a very attractive and modern structure with a seating capacity of nearly one thousand. In this building may be found a three-manual Kimball pipe organ, a number of faculty offices, several fine class rooms and rooms and equipment for the Home Economics department.

The *President's Home* is a bungalow cottage located on the southeast corner of the campus.

The *Music Hall* is a three-story structure containing studios, practice rooms and offices. The ground floor houses the biology, bacteriology and anatomy laboratories.

The *Gymnasium* is a pavilion-shaped building, fifty-six by ninety-two feet, providing for the physical training and athletic activities of the student body. Shower and locker rooms are provided. Plans are being made for the construction of an adequate building and plant to take care of all needs in both physical education and athletics.

Laboratories

Well-equipped laboratories are located on the ground floor of Peterson Hall for both general and specialized work in the physical sciences.

Chemistry. The Chemistry department consists of two laboratories, a stock room and office. Lecture work is conducted in designated class rooms in Peterson Hall. The department was enlarged in 1946 to include a section to care for seventy-two students in beginning courses. The laboratories are ideally situated to provide good lighting and ventilation. They are equipped with basic equipment for all courses offered.

Physics. The physics laboratory is equipped with a good supply of apparatus which makes possible the essential work of all courses offered in Physics. Gas, water and electricity, both D.C. and A.C. are available.

Physiology and Zoology. The laboratory for physiology and zoology is located on the ground floor of the Music Hall. An adequate supply of material and equipment, including microscopes, specimens, etc., is kept in the storeroom. The College being located on Puget Sound makes it possible for students to have access to the marvelous variety of vegetation which is so luxuriant in this mild climate and also to the interesting marine life, both plant and animal, which flourishes in salt water as well as in fresh.

Library

The Library, which is known as the *Omar Allen Burns Memorial Library*, is located on the second floor of Peterson Hall. It contains more than twenty thousand choicely selected reference works distributed in subject matter among the different departments of instruction and books of general interest. Many new books are added to the Library each year. The Library is classified and catalogued according to the Dewey system. More than two hundred periodicals are received regularly by the library. In addition, the students of the College have easy access to the city library of over 520,000 volumes, and also the libraries of the University of Washington, which contain more than 427,000 volumes.

Publications

The *Seattle Pacific College Bulletin* is the name of the periodical published monthly by the College. The purpose of this publication is to give friends and prospective students general information and announcements regarding the College. The *Bulletin* is sent without charge to all whose names are on the mailing list. This list consists of the names of all the friends, donors, and prospective students of the school whose addresses are available. If you desire the *Bulletin*, just send in your name and address.

The *Falcon* is a bi-weekly newspaper published by the Associated Students of the College. The staff is chosen by the students themselves. The subscription price is fifty cents per quarter or one dollar per year. This paper should have the support of the alumni and patrons as well as the faculty and student body.

The *Cascade* is the student yearbook. It is a handsome, profusely illustrated volume which reflects the extra-curricular side of student life.

Pattern, Policy and Aims

Seattle Pacific College is committed very definitely to a belief in the principles of Christianity and maintains a definite institutional pattern with the thought of inculcating these principles in the lives of its students. This institutional pattern is designed to bring about definite student growth spiritually, professionally, socially, and physically.

Spiritual Growth Spiritual growth at Seattle Pacific College is encouraged through a spiritual dynamic which permeates the entire program. There are provided daily assembly programs with required attendance, mid-week vesper services, daily devotions in the dining room, special evangelistic services several times during the year, frequent devotional periods in the class sessions, class prayer meetings, and prayer at all social gatherings. Students whose points of view or behavior are known to be definitely out of

harmony with such a program are not allowed to enter. A definite effort is made to assist students in refraining from conformity to worldly trends.

Guidance in spiritual growth is given through a positive statement of Christian faith, through a Christian faculty, and through effective Christian living.

Positive Statement of Christian Faith Seattle Pacific College stands unequivocally for:

1. The inspiration of the Scriptures including both the Old and New Testament.
2. The deity of Christ.
3. The need and efficacy of the Atonement.
4. The New Birth as a divine work wrought in the repentant heart by the Holy Spirit.
5. The need and glorious possibility of the believer, subsequent to the New Birth, being cleansed from all sin and filled with the love of God through the baptism with the Holy Spirit.
6. The "blessed hope" of the personal return of the Lord Jesus.

Scholarly Christian Faculty Seattle Pacific believes a Christian college program can be Christian in fact as well as in theory only by the sincere and active Christian life of its faculty members. Students will find here a faculty of more than thirty scholarly Christian men and women who are ready to pray with and sympathetically, advise them as well as lecture to them.

Effective Christian Living To reach the goal of effective Christian living, Seattle Pacific College puts great emphasis upon the possibility and imperative need of each student daily experiencing God. It is agreed, of course, that students are in training for life's later activities, but stress is placed on the fact that students can live and serve as effectively during their student days as in later life. Much opportunity is therefore given for personal testimony, Christian service, and a full development of personality. This is made possible through a wholesome spiritual tone throughout the entire school program and a personal experience in the New Birth and living the Spirit-filled life. All students are required to take at least one course each year in Bible study.

Social Adjustment Greatest Christian usefulness is achieved not only through a proper adjustment to spiritual ideals, but also through a wholesome attitude toward others of the social group and toward society at large. Definite emphasis, therefore, is placed upon social activities of many kinds, and students are so guided as to experience maximum growth in personal-social adjustment. The guidance program assists the individual in understanding himself and in growth toward the ultimate of self-guidance in keeping with Christian ideals.

Standards of Conduct Growth in social adjustment is further guided by certain standards of conduct.

The pattern, policy, and aims of Seattle Pacific College are such as to make a strong appeal to high-minded Christian young people from all evangelical denominations. Not all such young people, however, come from homes or churches which emphasize religious experience and devotion to the Christian ideal to the same degree as found on the campus at Seattle Pacific.

To provide for better understanding and greater unity, therefore, it has been found desirable to set up certain definite standards relating to student conduct. No effort is made in these regulations to cover all the situations a student may meet. When a student enrolls in Seattle Pacific he thereby agrees to conform to the college standards and regulations whether written or implied and to cooperate in upholding them.

Students not living at home are not allowed to keep an automobile in the city except by special permission from the Dean of the College.

Students away from home are not allowed to live off the campus except at approved places where adequate provision is made for a house-mother. Unmarried students are not allowed to do light housekeeping in apartment houses or rooming houses without similar provision. Check with the Dean of Men or the Dean of Women regarding approved places and approval of arrangements.

Students living on the campus must observe the special residence hall regulations which may be announced from time to time regarding quietness, care of rooms, reporting for meals, leaving the campus, etc.

Each week-day evening after eight o'clock except Friday evenings is to be reserved for study. Secular study on Sunday is believed to be out of harmony with the proper observance of the Sabbath and is therefore disapproved. On Friday and Sunday evenings or any other "open night" students are expected to be at home, in the dormitories, or at their boarding places at least by eleven o'clock.

Students are not to participate in an evening or over-night hike, party, or such other activity, religious or social, in which other students of the school are involved except the same has been authorized by the Social Committee of the Faculty.

Simplicity and modesty in dress are expected. In view of this the wearing of finger rings, necklaces, earrings, and bracelets is disapproved. Slacks are allowable only on school or class hikes. Regulation athletic suits are required in the physical education classes and athletic activities, but are not to be worn at other times.

To insure the highest type of group solidarity the general regulations and standards for personal conduct are the same for all students, whether living at home, at the school or elsewhere. These regulations apply to students in non-school activities as well as in school activities.

The use of tobacco or liquor, or attendance at dances by students is not permitted. In applying for admission, students must sign a statement that they have not used tobacco, or liquor for at least three months. Exception is made only upon special action of the Admissions Committee. Students found to be out of harmony with this regulation will be asked to withdraw from the college.

The school disapproves attendance at the theater (including movies), card parties, and all other forms of questionable entertainment.

All students are required to attend the college assembly each day unless excused by the Dean of the College. All students within walking distance are expected to attend the Wednesday evening Vesper Service regularly. Less frequent attendance may be arranged for by those living at a distance from the campus by petitioning the Dean of the college.

The college expects every member of its student group to take an active part in the program of his own church and Sunday school. In this connection each student is expected to attend Sunday school and church services regularly each Sunday.

Intellectual Growth To reach a high plane of useful scholarship, Seattle Pacific College provides a well organized and administered educational program. This is accomplished by requiring all students to spend two years in contacting a wide range of literary, cultural, and scientific fields of learning. During the remaining two years they are required to devote a major portion of their time to intensive study in one chosen field. Opportunity for such major study is available in more than twenty different departments.

Vocational and Professional Objectives Seattle Pacific College admittedly is a Christian college of arts and sciences. It believes, however, that such an institution, while putting great stress on culture, should at the same time give practical training to its students. This accounts for the extended curricula in the various departments for vocational and professional work. Emphasis is given to those fields which are known as service fields.

Particular stress in this regard is given to the following: Business and Finance, Public School Teaching, Music and Music Education, Home and Foreign Missionary Work, Nursing Education, Pre-Medicine and Pre-Dentistry, Homemaking, Bible Teaching and Gospel Preaching, Social Service, and training for Graduate Work at the University.

Physical Development Physical fitness, being basic to spiritual, social and intellectual growth, is implemented by a comprehensive health and physical education program. A clinic is maintained upon the campus, through which the college physician assisted by a staff of registered nurses administers periodic health examinations to all students. Physical education activity is required of all freshmen and sophomores unless excused by the health department. There is also an athletic department of the student association, headed by a student athletic director, that promotes a wide range of intramural activities designed to be of interest to all students. Basketball is also engaged in upon an intercollegiate level.

Living Quarters on the Campus

Seattle Pacific College maintains four dormitories, with facilities for housing about three hundred students on its campus. Balanced meals are prepared by an expert chef and served in a new, modern dining room.

Most of the student rooms are equipped for two to four students. These rooms are supplied with single beds, mattresses, table or desk, dresser or chest of drawers, and chairs. Students provide their own bedding, pillows, drapes, rugs and similar items as desired.

While the wishes of the student are followed in so far as possible, the college reserves the right to assign students to specific rooms, or to move students after the school year has started, if this seems best.

Room reservations may be made upon the payment of \$5 per student. This deposit will apply on the room rental for the quarter. It is non-transferable and no refund will be made upon the student's failure to live in the residence hall at the time for which the reservation is made.

In addition to the above, the college maintains forty to fifty furnished housing units for the use of married veterans. In the summer fifty housing units will be available. Information regarding these may be obtained by writing Dr. Philip F. Ashton, Veterans' Adviser.

Living Quarters Off the Campus

With the continued growth of Seattle Pacific College it has become increasingly necessary for a number of students away from home to obtain places of residence off the campus. In all cases permission to live off the campus must be obtained from the personnel Dean concerned. This will be granted only after written application has been made and certain other requirements met by the student.

No student should arrange regarding a residence off the campus until his or her application has been approved and written permission obtained.

Off campus students may live only in approved residences under the charge of a mature woman who will act as house mother. No residence will be approved for both men and women students. Apartment houses will not be approved unless the house mother lives in the same apartment as the students.

Regulations regarding hours, attendance at religious services and the like apply to off campus students the same as to those living in the dormitories. Additional information including lists of approved residences together with application blanks can be obtained from the Dean of Men or the Dean of Women.

Obviously, students living outside are unable to participate in many of the campus activities. Whenever possible a student should reserve a room in the dormitory early in the summer and thus insure himself of greater opportunities during his stay at Seattle Pacific College.

Campus Organizations and Activities

The Associated Students. The students of the College are organized into an association and operate under a constitution. This association has a Student Council made up of representatives elected from the various classes. The Friday assembly programs are under the direction of the student association. Matters pertaining to student affairs, such as pep rallies, stunt programs, and the like are cared for at this time.

The officers of the Associated Students work with representatives from the faculty in promoting the general welfare of the school. This organization provides opportunity not only for good business training for students, but also for bringing about a congenial spirit of cooperation between faculty and students.

The Officers of the A.S.S.P.C. are president, vice-president, secretary, treasurer, Falcon editor, Cascade editor, and yell queen.

Departmental Directors. Five departmental directors, appointed by the president of the association, are immediately responsible for the functioning of the various activities of the student body. They are the religious director, the athletic director, the social director, the forensic director, and the publicity director.

The Student Council is the elected governing body of the student association. It shapes the policies, guides the activities, and budgets finances for the student body. All students are encouraged to take part in the discussion of issues which are before the student council and to make themselves felt in student affairs. Members of the council are the president, vice-president, treasurer, the five directors of student activities, the Falcon business manager, the Cascade editor, three representatives from each of the four classes, and the faculty representative.

Associated Women Students. In 1937 the A.W.S. was organized at Seattle Pacific College to bring the women students into closer fellowship and provide for them better spiritual, educational, social, and cultural opportunities. One of the outstanding purposes of the club is to encourage greater friendship between the dormitory girls and those living off the campus.

Dormitory Associations. The men's and women's dormitory organizations are known as the Alexandrians and Pi Mu Gammas, respectively. Officers for these clubs are elected during the spring quarter to serve for the following year. Exchange parties, a Christmas dinner and breakfast, the men's stag dinner, and the women's banquet are events sponsored by these groups. The Pi Mu Gammas also serve a tea each spring for girls who live outside the dormitory. In each of the three women's dormitories, is a chapter of Pi Mu Gamma.

The Falconettes are members of the Women's Service Honorary. The purpose of the club is two-fold: To encourage women of S.P.C. to strive towards the ideal in leadership, scholarship, character and activities, and to be of special service on the campus whenever opportunity is given. The club was formed early in 1936. Girls are selected for this group on the basis of Christian character, scholarship and activities. The cumulative grade score must be at least 2.50 and the applicant must have participated in at least two extra-curricular activities. Membership is limited to upperclassmen.

Religious Activities. From the time of the origin of the college, religion has played a vital part as an activity in the life of S.P.C. It has been the desire of the faculty and Christian students to make the Christian life so natural and winsome that all who come to the college will want to live such a life.

Many calls come to the Department of Religion for Sunday school teachers, song leaders, choir members, leaders of youth groups, and directors of other special services.

Student Prayer Meeting. During the regular school year each Tuesday noon is reserved for an all-college prayer meeting. This service is held in Marston Chapel from 12:30 to 1:00 o'clock. See pages 55-56 for further information regarding religious activities.

Athletics. The necessity for an athletic program is tied in with several of the chief objectives of education. A considerable degree of physical activity is necessary for the health of the body. Society is constantly demanding more training for the proper use of leisure time. Students should learn such means of employing their leisure time that will not result in injury or idleness.

Seattle Pacific College encourages its students, both men and women, to learn and participate in the various games as freely as possible. Regular college football is not played. A real effort is made to relate inter-collegiate sport contests to the health program of the college and particularly to the intramural sports. These consist of various tournaments in basketball, tennis, handball, volley ball, archery, and other activities.

Regular classes in Physical Education are conducted. Physical Education is required as one of the prerequisites for graduation. Only in rare cases is provision made for exemption from this requirement. In most cases students unable to take the strenuous exercise of the class will be required to earn credit through individual work.

A five-acre playfield in Rogers Park, about three blocks from the campus, developed by the City, is available for college use. It is called the North Queen Anne Bowl.

Touch Football. A league of six seven-men teams provides the principal autumn activity. The elimination of tackling reduces the hazard for injury and promotes skill in the game.

Volleyball. This game calls for good team play rather than for individual performances. Much attention is given to this sport during the Autumn Quarter.

Basketball. The varsity basketball team, known as the Falcons, is composed of outstanding players selected from the various classes. To be eligible, men must maintain a 2:00 scholarship average.

Softball. In the spring, the softball league gives opportunity for many to participate. Each class enters one team in the competition.

Tennis. Two tournaments are conducted in this sport. In one, each class enters a team of four players who compete for class supremacy. The other, an individual tournament open to all student, is conducted for the purpose of selecting the college champions. Two concrete tennis courts add materially to the athletic facilities.

Track and Field Day. On this day each class strives for victory in track and field events. The meet is held in the North Queen Anne Bowl, which is about three blocks from the campus.

Other Sports. Individual ability is developed in tournaments in such sports as archery, handball, ping pong, horseshoes, and badminton.

Women's Sports. S.P.C. presents a full program of athletics for all women desiring to participate. One team sport is conducted each quarter, with one team representing each class. Volleyball is played in the autumn quarter; basketball, in the winter, and baseball, in the spring.

Besides these team sports, there are such individual sports as tennis, ping pong, archery, and badminton.

No scholarship standard is set for participation in these activities, but a grade score of 1.75 must have been earned the previous quarter if points are to be awarded in harmony with the present awards system.

Women's athletics are carried on under the supervision of the Associated Women Students. Each year the group elects an athletic director who arranges for practices and tournaments. Friendship, sportsmanship, and good health are the primary aims of this activity.

College Traditions

The S.P.C. traditions are those customs, practices, and codes of action which have meant so much to past and present generations of students that they have become a part of the personality of the school itself. Although S.P.C. traditions have not had time to become mellowed by the passing of many decades, there are a few which have become well established, and which can be maintained only as they are honored by each new student who identifies himself with the program of S.P.C. They include the following:

1. *Vespers.* Most delightful of all traditions on the campus is that of the student vesper service which is held each Wednesday evening in McKinley Auditorium. This is the one distinctly religious all-college service of the week. It is traditionally an informal service in which group singing and personal testimony give great inspiration in the midst of the week's activities. Regular attendance is expected of all students who live within walking distance of the college.

2. *Chapel.* The hub of the college program is the chapel period which is held between 9:40-10:20 on Monday and Thursday, and 9:50-10:10 on Tuesday, Wednesday, and Friday. Daily attendance is expected of every student registered at Seattle Pacific. These assembly programs are held in McKinley Auditorium.

3. *The All-School Hike.* The first student-sponsored affair of the year is the All-College "Hike"—via trolley—to Lincoln Beach, on the first Friday afternoon and evening of the autumn quarter.

4. *The Faculty Reception for New Students.* The official presentation of new students to each other and to the faculty takes place at the semi-formal reception held the second Friday night of the autumn quarter in McKinley Auditorium.

5. *The All-College Banquet* is the most important semi-formal function of the year, usually held during the winter quarter.

6. *Class Hikes.* One Friday afternoon is set aside each spring quarter for the individual classes to make trips to some of the beautiful lakes or mountain resorts near Seattle.

7. *Field Day.* This annual spring contest for victory in track and field events is held in the North Queen Anne Bowl near the campus and is usually followed by a picnic supper.

8. *The Boat Trip.* The one all-school event which is distinctly an S.P.C. function is the annual Boat Trip on the last Friday of the spring quarter. Several hundred students, faculty members, alumni, and friends charter a special boat or ferry and spend the day cruising among the wooded islands of Puget Sound or on Lake Washington.

Alumni Information

Conditions for membership in the Alumni Association were changed at the time of the annual meeting in June, 1937. The new requirements are such as to include in the Alumni Association not only all graduates (including Seattle Seminary and Seattle Pacific High School), but also all former students who have at any time been regularly enrolled in any department of the College, in Seattle Seminary, or in Seattle Pacific High School, together with all recipients of honorary degrees.

The business of the association is carried on primarily through the Executive Committee, which includes elective officers and representatives of the various chapter organizations. Voting is carried on by ballot through the mail. Information will reach the Executive Secretary at any time by merely addressing the Alumni Association, Seattle Pacific College, Seattle 99, Washington.

The Executive Committee has made arrangements whereby the members of the association are divided into four groups or quadrants, these quadrants being made up of students whose last year of attendance, or year of graduation falls in certain specific years as follows:

Quadrant I (The Reds)	Quadrant II (The Greens)	Quadrant III (The Golds)	Quadrant IV (The Blues)
1896	1897	1898	1899
1900	1901	1902	1903
1904	1905	1906	1907
1908	1909	1910	1911
1912	1913	1914	1915
1916	1917	1918	1919
1920	1921	1922	1923
1924	1925	1926	1927
1928	1929	1930	1931
1932	1933	1934	1935
1936	1937	1938	1939
1940	1941	1942	1943
1944	1945	1946	1947
1948			

The colors indicated above have been selected to fix the color scheme at the annual Alumni Banquet, and also to determine the color of the covers of each of the annual catalogs.

The Officers of the Association for 1946-1947 are: President, E. Walter Helsel; First Vice-President, Paul Rosser; Second Vice-President, Lola Fisher; Executive Secretary, Burton L. Beegle; Assistant Executive Secretary, Wilfred Marston; Corresponding Secretary, Dorothy Williamson; Editor of Alumni Bulletin, Paul W. Wright; Trustees to Executive Committee, Wilbert Youngren and Lyle Watson; Trustee on the S.P.C. Board of Trustees, C. Otto Lightle.

Awards and Honors

The Awards System. In order to stimulate participation in extra-curricular activities, Seattle Pacific College has provided for a rather elaborate awards system. Points are given for participation in the following activities: Athletics, Forensics, Music, Religious Activities, Publications, Student Body Affairs, or for some outstanding service rendered. When these points have accumulated to 150, a major award is given, which consists of a large letter—for athletics, a large block "S", and for other activities an Old English "S". A minor award is granted to each member of the senior class who has accumulated 100 points. This award is a smaller letter, corresponding in size and color to the larger award.

Higher Awards. A sweater is offered annually to each student who has earned a total of 850 points, including at least 200 points in the current year. Sweaters are available only to juniors and seniors. A blanket is awarded to those students who have earned a total of at least 1200 points and have received at least 200 points in their senior year. No student is given both a sweater and blanket during the same year. Further details of the awards system may be found in the Student Handbook.

Who's Who—Who's Who Among Students in American Universities and Colleges is a national roster listing the names of outstanding students throughout the United States who have been chosen by their respective colleges on the basis of character, scholarship, leadership in extra-curricular activities, and the promise of future usefulness to business and society. This list of names comprises a volume of about 1200 pages. Nine outstanding young people at Seattle Pacific College are selected each year by the Faculty Awards Committee, and their names are sent in for publication in *Who's Who*.

Alpha Kappa Sigma. Students making an outstanding contribution in upholding and promoting the standards and ideals of the College and showing an enthusiasm for good scholarship, character development, and extra-curricular activities may be eligible to election to the honor society, Alpha Kappa Sigma. Candidates are chosen each year from the senior class only. Alpha Kappa Sigma is the highest honor to which a student of Seattle Pacific College may be elected.

Scholastic and Graduation Honors

Individual Honors. Students carrying a regular academic load (12 credits or more) and making a grade score of 3.50 to 4.00 with no grade below "C" will earn "high honors" for the given quarter or year. Students making a grade score of 3.00 to 3.50 will earn "honors" for the given quarter or year.

Graduation Honors. The baccalaureate degree will be conferred "*cum laude*" upon students whose grade score for the entire course is 3.00 but less than 3.50. Those whose grade score is 3.50 but less than 3.80 will receive their degree "*magna cum laude*." In like manner those whose grade score is 3.80 or above will receive their degree "*summa cum laude*." To be eligible for any of these honors a student must have done his upper division work in Seattle Pacific College, and his last year's work must be up to the minimum grade score necessary for the honor he is to receive. In determining eligibility for graduation honors only grades earned at Seattle Pacific College will be considered.

Special Merit. By action of the Committee on Academic Standards, unusual contributions on the part of a student in upholding and promoting the ideals of the institution or special meritorious work in connection with any phase of the College program may be rewarded by an increase in the number of grade points to the credit of the student thus honoring the institution. In like manner, violation of any of the school's regulations or an overt act contrary to the ideals and standards of the institution may result in a reduction in the number of grade points to the credit of any student thus violating.

Veterans of World War II

War veterans will find Seattle Pacific College ready to aid them in every possible way in getting re-established in civilian life and in continuing their education.

Provision has been made whereby veterans who have not finished high school may be admitted directly into the college upon making a satisfactory score on the General Educational Development Examination (High School Level) of the U. S. Armed Forces Institute.

Nine quarter hours of credit in physical education and hygiene will be granted all who have completed basic training in any of the branches of the armed forces, providing the veteran has not already received credit for these courses. Additional credit will be granted for educational courses taken while in the service according to the schedule of evaluations recommended by the American Council on Education.

Dr. Philip F. Ashton heads a special committee to look after the interests of returning veterans. Inquiries addressed to him will be cared for promptly.

Educational Benefits Under the "G. I. Bill"

(Public Law 346)

Any man or woman who served in the active military or naval service

on or after September 16, 1940, and prior to the termination of the present war is entitled to educational benefits under the "G. I. Bill"; provided (a) that he or she shall have a discharge other than dishonorable, (b) that the time of service was at least 90 days, or if within less than 90 days, the veteran shall have been discharged or released from active service by reason of an actual service incurred injury or disability.

Such eligible persons are entitled to education for a period of twelve months (or the equivalent thereof in continuous part-time study). Upon satisfactory completion of this period of education, the veteran is entitled to an additional period of education, equal in length to the total time in service before discharge.

Every veterans eligible for education or training will have his tuition, fees, books, and necessary supplies paid in a full-time educational program, a subsistence allowance of \$65 a month if without dependents, or \$90 a month if he has one or more dependents.

If the veterans wishes to be gainfully employed and take his educational program on a part-time basis he may do so and receive the equivalent of his allotted time. He must, however, forego all or part of the subsistence allowance, as determined by the Veterans Administration.

Educational Benefits Under the Veterans' Rehabilitation Program

(Public Law 16)

Veterans who are honorably discharged with a service-incurred or service-aggravated physical disability and who have an established need for vocational training or education will be entitled to certain benefits under this law. These benefits are similar to those under the "G. I. Bill," except that the length of the educational program is not limited by the veteran's time in service, but may be carried to a reasonable conclusion, such as a four-year course in college, which represents the maximum. Expenses paid to the institution on behalf of the veteran are the same; cash payments to the veteran, including his pension, will be greater than under the "G. I. Bill." This law is also administered by the Veterans Administration.

Summer Session

The 1947 summer sessions opens on Monday, June 16 and continues through Wednesday, August 20. The summer session makes it possible for students to accelerate their educational programs. By attending through the summer sessions students may complete a four-year college course in three calendar years. The session is divided into two terms of five weeks each. This arrangement makes it possible to gain a full quarter of work during the summer. The tuition is \$60 for two terms; \$35 for one term. The general fee is \$20 for the entire quarter or \$15 for either term.

Both the men's and women's residence halls will be available to summer students. The dining hall also will be open. Charges for board and room are very reasonable, much of which can be earned through the campus work program. A complete summary of such expenses will be furnished upon request. No provision is made for students to do cooking in the dormitory rooms. Apartments (housing units) are available for married veterans at low cost.

A wide range of offerings will be available to school administrators, teachers, nurses, pastors, Christian workers, homemakers, and to all those wishing to improve the opportunity for further academic or professional study during the summer months. For detailed information write for summer session bulletin.

FINANCIAL INFORMATION

Expenses

The regular school year is divided into three quarters of about twelve weeks each. All charges are due and payable at the opening of each quarter. No student may complete his registration and attend classes until his bills have been paid or satisfactory arrangements have been made. In special cases arrangements can be made to pay by installments. This is done by paying part cash and signing a student promissory note covering the balance to be paid before the final examinations. Only in very rare cases and then only by special permission will a student be allowed to take the final examinations or complete the work of any quarter if his account, including all notes to the College, is not fully paid. In no case will a diploma or transcript of credit be given until the student has paid all his financial obligations to the school.

The responsibility for handling financial matters rest entirely upon the individual student. No statements are sent to parents or guardians except in very unusual cases.

Settlement of Bills

All accounts must be cared for (by cash, or by cash and note) in advance at the beginning of each quarter. No student will be allowed to attend classes until this is done.

In case of cancellation of registration or withdrawal after the quarter opens, refunds will be made as follows:

- There is no refund on the initial five-dollar payment known as room reservation fee for residence hall.
- Of the charge for tuition and regular fees, an 80 per cent refund will be made during the first week, 70 per cent during the second week, 60 per cent during the third week, and so on, with no refund after the eighth week of the quarter.
- No refund will be made in any case until the student completes the necessary procedure in the Registrar's office for an official withdrawal and the matter has been considered by the Bursar.
- In case a student enters school after the opening of the quarter, the full charge is made for tuition and fees. If a student enters or leaves the dormitory during a quarter the charge for board and room will be pro-rata for the time in the dormitory plus a service charge of \$5.00.

Tuition

Regular Tuition, per quarter.....	\$75.00
Ten credits or less, per credit.....	7.50
Extra credits (above seventeen).....	5.00
Auditors, for non-marticulated students, per course credit.....	4.00

Dormitory Expenses

Board and room per quarter \$140.00. Does not include board during the Christmas and other vacation periods in excess of four days. The charge then is \$1.50 per day.

If but one student occupies a room the charge is \$10.00 per quarter more than the above figure. If only two students occupy a three-student room the extra charge per student is \$4.00 per quarter.

The College reserves the right to change the rates during the year if an emergency makes such a move imperative.

As indicated on a later page every dependable dormitory student if he so desires may work for the school at least seven hours per week to help meet these expenses. The rate of pay is 65 cents per hour.

Sundry Fees

General Fee, regular students, per quarter.....	\$20.00
General Fee, for students carrying less than 11 hours, per credit.....	2.00
Student Activity Fee, regular student, per quarter.....	5.00
Student Activity Fee, for students carrying less than 11 hours, per credit.....	.50
Late Registration Fee (\$1.00 per day), maximum.....	3.00
Change of Registration.....	.50
Fee for Removing Incomplete (each course).....	.50
Examination for Credit, per credit.....	2.00
Examination Fee (special or make-up).....	.50
Transcript Fee (after first, which is free).....	1.00
Enrollment in Bureau of Appointments (after first appointment), annually.....	2.50
Room Reservation.....	5.00
Breakage Deposit for Chemistry Students (Lower Division Classes).....	2.50
Breakage Deposit for Chemistry Students (Upper Division Classes).....	5.00
Shop Material Card.....	5.00

Fees in Applied Music

	College Students	Special Students
Organ.....10 thirty minute lessons.....	\$15.00	\$20.00
Less than 10 lessons, per lesson.....	1.60	2.10
Piano		
With Mr. Hopper.....10 sixty minute lessons.....	45.00	60.00
Less than 10 lessons, per lesson.....	4.50	6.00
With other instructors.....10 thirty minute lessons.....	15.00	20.00
Less than 10 lessons, per lesson.....	1.60	2.10
Voice.....10 thirty minute lessons.....	15.00	20.00
Less than 10 lessons, per lesson.....	1.60	2.10
PREPARATORY DEPARTMENT (Elementary and High School Level)		
With regular instructors.....10 thirty minute lessons.....	15.00	
With advanced student instructors.....10 thirty minute lessons.....	10.00	

Miscellaneous Music Fees

Organ rental, Two-manual Organ, five hours per week, per quarter.....	\$11.00
Kimball Organ (Advanced Students only), five hours per week, per quarter.....	22.00
Piano rental, five hours per week, per quarter.....	3.00
Piano rental, ten hours per week, per quarter.....	4.50
Orchestra, or Band, for those not receiving credit.....	1.00
Chorus, for those not receiving credit.....	1.00
A Capella, for those not receiving credit.....	2.00
Piano Ensemble.....	4.00

Fees in Speech and Art

	College Students	Special Students
Individual Instruction in Speech or Art:		
Ten thirty-minute lessons, per quarter.....	\$15.00	\$20.00
Twenty thirty-minute lessons, per quarter.....	22.50	30.00

Fees for Flight Instruction

Dual Instruction, per hour.....	\$11.50
Solo Practice, per hour.....	8.50
Ground Instruction, per hour, when not included in regular instruction.....	.70

The total maximum cost for students enrolled in Flight Training shall be as follows:

1. For students pursuing flying as a college elective course the total cost for tuition, fees, books, supplies, flight training, and equipment will not exceed \$500 for a regular school year.
2. For students pursuing the accelerated flight course under V. A. Circular 119 the total cost for ground and flight instruction, and books will not exceed \$500 for one quarter.

Estimated Expenses for One Quarter

The following is an estimate of the total regular expenses for one quarter at Seattle Pacific College: (Three quarters make a regular school year.)

<i>For Dormitory Students:</i>	
Tuition.....	\$ 75.00
Board and Room.....	140.00
General Fee.....	20.00
Student Activity Fee.....	5.00

Estimated total for one quarter.....\$240.00

<i>For Non-Dormitory Students:</i>	
Tuition.....	\$ 75.00
General Fee.....	20.00
Student Activity Fee.....	5.00

Estimated total for one quarter.....\$100.00

The estimated expense for the regular school year would be three times these amounts or approximately \$720 for dormitory students and \$300 for non-dormitory students.

Dormitory students may earn a considerable portion of their dormitory expense by part-time work at the college. The rate of pay is 65 cents per hour.

These estimates, of course, do not include extra charges for private lessons, books, nor items of a personal nature.

The *General Fee* is charged each student to cover a wide range of curricular and semi-curricular needs and activities. This fee takes the place of laboratory and library fees, health fees, matriculation and graduation fees, incidental fees, and the like.

The *General Fee* covers such items as gym lockers for students in physical education, regular lockers for non-dormitory students, matriculation and registration, cost of diploma and cap and gown upon graduation, use of equipment and supplies in various science courses, and other incidentals.

The *General Fee* also makes provision to cover routine health services and a modest amount of individual medical care for each student. The routine service includes an annual chest X-ray, daily dispensary service by the nurse during the regular clinic hours, and not to exceed one personal visit by the doctor per quarter provided he is called by the school nurse or other authorized school officials and the distance required is reasonable.

The *Student Activity Fee* provides funds upon which the Student Council may draw with the approval of the faculty for such activities as (a) the student publications, the *Falcon* and the *Cascade*, (b) the athletic program of the school, (c) the social and literary activities, (d) the religious and evangelistic program, (e) the annual school outing, and (f) such other activities as the Student Council may direct.

Scholarships and Loans

Students accepting scholarships of any kind are expected by word and example to be leaders along those lines of conduct and ideals for which the college stands. In all cases they are expected to live in the dormitory unless other specific arrangements are made before the scholarship is granted.

Freshman Scholarships. Twenty-five scholarships are available annually to entering Freshmen from the Pacific Northwest. Each scholarship amounts to \$250 and is applied toward tuition as a regular student in any department of the College at the rate of \$50 per quarter for three quarters, and \$33.33 per quarter for three additional quarters. It is necessary that the candidate be in the upper ten per cent of his or her graduating class in scholarship. Eligible high school seniors should contact their high school principals for further information and the necessary blanks, or address the Scholarship Committee, Seattle Pacific College.

Junior College Scholarships. For some years Seattle Pacific College has been offering two scholarships to the graduates of each of the junior colleges sponsored by the Free Methodist Church. These include Los Angeles Pacific College, Wessington Springs College, Central College, Spring Arbor Junior College, and Roberts Junior College. The Canadian school, Lorne Park College at Port Credit, Ontario, is also included. These scholarships amount to \$300 each to be applied toward tuition for regular work in any school or department at Seattle Pacific College at the rate of \$50.00 per quarter for six quarters. To be considered, candidates must be in the upper third of the their junior college graduating class in scholarship. These scholarships are awarded by the faculties of the respective junior colleges.

Upper Division Scholarships. Because of the investment in Seattle Pacific College of definite funds by the Free Methodist Church, and the desire of the College to make its facilities available to the young people of the church, a limited number of scholarships are available to young people living outside the area of the three Northwest Conferences. Fifteen such scholarships are now annually available. These scholarships amount to \$300 each to be applied toward tuition for regular work in any school or department at Seattle Pacific College at the rate of \$50 per quarter for six quarters. Further information and blanks may be obtained by writing the Scholarship Committee, Seattle Pacific College. The awards are made by this committee.

Alumni Scholarships. The Alumni Association, through special invested endowment funds, together with the cooperation of the College, now provides for one scholarship each year in the amount of \$150. This scholarship is given on the basis of need, scholarship, and general merit. Applications must be in the hands of the Executive Secretary of the Alumni Association by May 1 previous to the year the scholarship is to be used. Announcement of the successful candidate is made at the Annual Alumni Meeting which is held during Commencement Week.

College Loan Fund. A limited amount of money is available through the College office for small loans to students. This Local Loan Fund is under the control of the Bursar. Students seeking assistance should apply to him. Since the total amount of money is relatively small, it is usually reserved for those who are about to complete their college program but are meeting financial difficulty.

Church Loan Fund. Through the General Commission on Christian Education the Free Methodist Church has put at the disposal of Seattle Pacific College several hundred dollars to be used as a loan fund in assisting needy students who are preparing for definite Christian service. This fund is also handled through the office of the Bursar, to whom applications should be made.

Leona M. Hickman Loan Fund. This fund was established under the last will and testament of Leona M. Hickman and is administered by the People's National Bank of Washington in Seattle as Trustee. Loans are limited to King County male residents who have shown a desire and ability to help educate themselves. Loans bear 5 per cent interest.

Other Student Aid. No student of limited finances should give up the idea of attending college for that reason until he has investigated the possibility of obtaining aid from special funds donated for this purpose. Address all inquiries to the Scholarship Committee, Seattle Pacific College.

Ministerial Discount

Provision is made to assist ministerial students and certain other students through what is known as the Ministerial Discount. Candidates who are eligible to such discount are as follows:

- (a) Students who have declared their intention of preparing themselves for the ministry or other forms of full-time Christian service, provided they possess a local preacher's license or its equivalent in current standing, 25 per cent of tuition.
- (b) Unmarried dependent children of ministers in active service, superannuated, or deceased, 25 per cent of tuition.
- (c) Ordained ministers, or unordained ministers holding pastorates, 25 per cent of tuition.
- (d) Missionaries on furlough or the children of missionaries in active service or on furlough with salary, 50 per cent of tuition for the first year of school after return from the field, and 25 per cent of tuition for subsequent years.

The above regulations shall apply without distinction to ministers and missionaries of all evangelical denominations. The term "tuition" shall be interpreted in this connection to mean all amounts charged in instructional purposes in any field except private instructions in music, speech, or art.

Mileage

Since Seattle Pacific College is looked upon with favor by so many young people living at a distance from Seattle throughout America and the foreign countries, an experiment is being carried out in an effort to help meet some of the traveling expenses of such students. This assistance is limited to upper division students, for Seattle Pacific does not enter into competition with the junior colleges with which it is affiliated. It is available also only to boarding students and is allowed but once.

For the purposes of this experiment the allowance is never retroactive and is made only on the basis of written request by the student and approval by the Bursar.

It amounts to two cents per mile for the distance in excess of five hundred miles by most direct route from the student's home to Seattle. The maximum allowance is \$60.00. Mileage is applied on the student's account one-third each quarter during the school year.

Text Books and School Supplies

Students provide their own books and stationery. A College Book Store is maintained on the campus under the supervision of the school. Books are provided at publisher's regular rates. The cost of the books varies from \$15.00 to \$40.00 per year.

Work Opportunities On the Campus

In order to keep the net student charges as low as possible, Seattle Pacific College allows each boarding student to work at least seven hours per week. This makes the average net cash cost for board and room only \$90.00 per quarter. Such an arrangement cares for a large portion of the detailed maintenance work in and about the school. If the need is serious, the school, however, will give further opportunity for work so as to provide additional help. The regular rate of pay for student labor is 65 cents per hour.

In general it is not necessary for a student to make application in advance for specific work. Those who wish work assignments of a special nature should plan to be at school a day or so before the official registration day. This will make it possible to have a conference with the Director of Student Labor in regard to the total amount and type of work which may be assigned.

For the interest of those who are not familiar with the types of work which are available, the following list will be of value.

(a) Kitchen workers. Several workers are required as assistants in the kitchen in the form of pastry and other assistant cooks, those preparing vegetables, pass pantry workers, and dish washers and driers.

(b) Dining room workers include both young men and young women as waiters and waitresses and various other lines of activity connected with setting and clearing the tables.

(c) Some students aid in doing the laundry work for the college dining room, kitchen, physical education classes and clinic. A new Bendix automatic washer and a mangle are used.

(d) All the janitorial work of the school is done by students under the supervision of the Superintendent of Buildings and Grounds.

(e) Campus and repair work gives several young men with special training opportunity for landscaping, carpentering, painting, and other lines of construction and repair work.

(f) Secretarial and office work constitutes a further line of activity for those with special training. As a rule the school cannot give such work to everyone who has had secretarial training. At the same time, there is always opportunity in this line of work for those with extensive training along this line who have had practical experience.

(g) The library makes use of eight to twelve student helpers.

(h) Student laboratory assistants are chosen by the respective departments. Usually it is necessary for a student to have attended a year or more before receiving such an appointment.

(i) The music department in its field of activity, particularly with the leading quartets and as accompanists, provides opportunity for students with specialized training to receive desirable employment.

If it is necessary to earn a substantial portion of one's expenses the student will not be allowed to carry a full academic load. A reduced academic load is required of those who must work more than 14 hours per week unless special arrangements are made with the Dean.

Seattle Pacific desires to be known as a school where working students take their work obligations seriously. This means that students who are careless with respect to their promptness and regularity or who lack initiative and effectiveness should not apply for work. Work in exchange for school expenses or for board and room should be done with the same exactness and conscientious care as work done for cash.

Work Opportunities Off the Campus

Seattle offers abundant opportunities for students who must earn a portion of their expenses while in attendance at Seattle Pacific College. Due to its favorable position as one of the nation's leading ports on the Pacific and to the abundance of its cheap hydro-electric power, Seattle is destined in the post-war world to undergo even greater growth than in the past. This promises a great industrial expansion with work opportunities for years to come.

A large variety of occupations is open to college students who wish part-time work. The prevailing wages off the campus range from 65c to \$1.00 per hour for this part-time work.

By making satisfactory arrangements with the Dean of Men or the Dean of Women, students living in the dormitories have the privilege of working off campus in these various activities.

REGISTRATION AND CURRICULUM INFORMATION

Seattle Pacific College is a four-year College of Arts and Sciences providing instruction leading to the degree Bachelor of Arts or Bachelor of Science, according to the curriculum completed. Professional training at the undergraduate level is offered through the schools of Education, Music, Nursing, and Religion. Provision is also made for the pre-professional training of students planning to enter technical or professional schools—such as, law, dentistry, engineering, medicine, nursing, or pharmacy.

Intensive training in the language, literature, history, and culture of far eastern and Latin-American peoples may be secured through enrollment in the International School of Missions, a division of Seattle Pacific College.

Accreditation

Seattle Pacific College is fully accredited by the Northwest Association of Secondary and Higher Schools. By virtue of membership in the Northwest Association the College is on the approved list of the American Council on Education and its credits are recognized in leading graduate schools throughout the country and by the other regional associations of America. It is a member of the Association of American Colleges. It is also fully accredited by the Washington State Board of Education to give the four-year course for the education of elementary teachers. The school is on the approved list of the Board of Regents of the State of New York. Its School of Religion is approved by the National Headquarters of Selective Service as a Theological School. Seattle Pacific College is approved for the education of veterans under Public Laws 16 and 346.

Application Procedure

Students desiring admission to Seattle Pacific College must submit a formal application for admission, including statements regarding personal habits, biographical information, health, educational attainments, and at least two character references who are not related to the applicant. An official application blank may be obtained by writing to the Registrar, Seattle Pacific College, Seattle 99, Washington.

Upon receipt of the application blank, the Registrar will write for recommendations and the high school transcript. Applicants who have attended another college previously should ask the Registrar of that school to send a transcript and a statement of honorable dismissal.

Students residing within a reasonable distance of Seattle are expected to come to the campus for a personal interview with a member of the Admissions Committee. Upon receipt of the above mentioned credentials and in the light of the personal interview, the student will be advised whether or not he will be admitted. Normally, the candidate should place his application at least four weeks in advance of the registration date.

Requirements for Admission

General Statement. The Admissions Committee judges the fitness of applicants for admission on the basis of personal interviews, as far as possible, high school grades, and written recommendations from school authori-

ties and others acquainted with the candidate. Character, scholarship, ideals, health, financial standing, and general promise of future success are given consideration.

Scholarship. Entering students who present high school credentials showing that they have completed their subjects with grade equivalent of "C," or better, will be given full standing and will be permitted to carry a full load of academic work. Those students who do not present a high school record of the required standards will be given limited matriculation, if admitted, and will not be permitted to carry a full load of studies. Students admitted on this basis will be permitted to carry a full academic load as soon as their scholarship gives evidence of their ability to do so.

Character. Building of Christian character is the first aim and responsibility of Seattle Pacific College. The building of character, however, is a co-operative task. For this reason only those students will be admitted to Seattle Pacific College whose past record indicates that they have an interest in the work of character building. Even though the student may have a splendid scholarship record, should that student's interest reflect no connection with enterprises whose purpose embody high moral and religious principles, it is doubtful if such student would be admitted. Prospective students are urged to associate themselves with some worthy character-building enterprise such as the church, with its many agencies, the Y.M.C.A., the Y.W.C.A., the Boy Scouts, the Campfire Girls, and similar organizations.

Methods of Admission

1. *Admission by High School Credentials.* For entrance to Seattle Pacific College the student must present a certificate of graduation from an accredited high school, showing at least fifteen units of approved preparatory work, with distribution as follows:

Three years of English.....	3 units
Two years of Mathematics:	
Algebra	1 unit
*Plane Geometry	1 unit
**Two years of one Foreign Language.....	2 units
One year of American History and/or Government.....	1 unit
One year of Laboratory Science.....	1 unit
(Graduates of unaccredited high schools may be required to pass certain examinations before being permitted to enroll.)	

No advanced standing will be allowed on the basis of units of high school work done in excess of the required fifteen except as such work is validated by examinations given at Seattle Pacific by the departments of instruction concerned. Such examinations must be taken not later than the first quarter in attendance.

2. *Admission by College Entrance Board Examinations.* Students who are not high school graduates may be admitted on the basis of the College Entrance Board Examinations which are administered four times each year in various centers throughout the country. For complete informa-

*Exceptions to this requirement are made only by special action of the Admissions Committee.

**The foreign language requirement may be satisfied by taking 15 credits of a language in college.

tion, write the College Entrance Examinations Board, 425 West 117th Street, New York 27, N. Y.

3. *Admission as a Special Student.* Provision is made in certain instances for the admission of mature individuals as "Special Students" even though they have not graduated from high school. Such individuals must be over twenty-one years of age and show sufficient training to warrant their entrance to college classes. No "Special Student" may be considered as a candidate for any diploma or degree. In case he desires to qualify, he must meet the entrance requirements previously listed. In that case such work as he has already pursued may be credited toward a diploma only upon the recommendation of the heads of the departments involved.

4. *Admission with Provisional Standing.* High School graduates or students transferring from other institutions, who are unable to meet all the requirements for admittance, may in certain instances be granted provisional standing pending such developments as may require time to be carried out. A student will not be allowed to remain in this classification longer than three quarters.

5. *Admission of World War II Veterans who are not High School Graduates.* By faculty action veterans of World War II who are not high school graduates may be admitted on the basis of the General Educational Development Examination (High School Level) of the U. S. Armed Forces Institute. Such students will be classified as "Special Students" until 45 credits shall have been earned. See pages 23-24 for further information of particular interest to veterans.

6. *Admission as Transient Students.* Students of other colleges who wish to register at Seattle Pacific with the intention of transferring credit earned here back to their own colleges, may be classified as *transient students*. Such students must be in good standing in their own college and must submit a written statement from their college Registrar to that effect.

Freshman Examinations

In addition to the requirements listed in the preceding paragraphs, all Freshmen are required to take a series of examinations during registration week in order to determine their fitness to pursue college work. In some cases where notable deficiencies are found, such as visual, speech or auditory defects, the student may be required to change his registration.

All entering Freshmen are required to meet in the McKinley Auditorium at 10:00 o'clock on the morning of Friday, September 26, for instructions and the first of this series of tests.

Provision will be made for giving similar examinations to Freshmen entering Winter or Spring Quarters.

Students on Transfer

Students desiring to transfer to Seattle Pacific College from any other institution of college rank must follow the same procedure regarding application for admission as is required of entering freshmen. Advanced standing will be determined upon the basis of the credentials submitted from the institution previously attended, subject to the following conditions:

1. In no case will a transfer student be admitted until he presents evi-

- dence of honorable dismissal from the institution last attended.
2. No student will be permitted to enroll, except provisionally, and then only in rare instances, until his official transcript has been received.
 3. Full credit will be allowed for work taken in accredited higher schools provided the subjects are such as apply toward the student's course at Seattle Pacific.
 4. Graduates of approved junior colleges and normal schools who have not met the lower division requirements of Seattle Pacific College may be allowed to satisfy the deficiencies by the substitution of other courses only by action of the Committee on Academic Standards.
 5. The average grade for all advanced standing allowed must be "C" or better. This means that for every grade of "D" or its equivalent shown on the transcript there must be another grade of at least "B" or its equivalent for an equal number of credits.
 6. Credentials presented by students who may be admitted from non-accredited institutions doing collegiate work will be given preliminary study by the Admissions Committee. Upon the basis of their action, tentative advanced standing will be made. When 45 credits have been earned at Seattle Pacific College, definite action will be taken as to the amount of advanced standing to be allowed toward graduation.
 7. Not more than 24 credits earned by extension or correspondence may be applied toward a degree at Seattle Pacific.

Foreign Students

Foreign students who apply for admission are expected to meet the same requirements as American students. Graduates of foreign high schools whose school system provides for less than twelve years of instruction before college entrance are required to graduate from an American high school before they are eligible for admission to the College.

How to Register

Date. Registration days for each quarter will be found listed in the official calendar in the front part of the catalog. As far as possible students should report on the first registration day in the fall. This will then allow time for getting adjusted and also make it possible to participate more actively in the various school functions of the opening week. An important meeting of all entering Freshmen will be held in the chapel at 10:00 o'clock on the morning of Friday of registration week. Registration for the second and third quarters by students already enrolled is conducted three or four weeks before the close of the previous quarter. This is the official registration period for all such students for the respective quarters.

Procedure. All former students and all new students whose matriculation has been completed will be assigned to an adviser to assist them in their registration. Students planning majors will do well to consult the heads of the appropriate departments before registration day in order that they may arrange the necessary details in advance of the regular registration period. Students are not allowed to become members of classes for which they have not registered through the proper channels.

Changes in Registration

When a student has completed his registration, his choice of courses is expected to be permanent. Any changes in a student's registration after that time should be referred to the Registrar. Such changes as involve the entrance of the student in new courses will not be permitted after the student's registration is once completed unless the written consent of the Registrar and instructors involved is obtained. Blanks for this purpose may be obtained at the Registrar's office. If such change is permitted after the first Saturday of a quarter the student may be asked to reduce his load. A fee of fifty cents is charged for each change of registration, except in such cases as are made necessary by action of the faculty. *In no case will students be permitted to change their registration to new courses after the first full week of the quarter.*

Late Registration

All students are urged to be present and register on the days provided in the calendar for registration purposes. A late registration fee (one dollar per day up to a maximum of three dollars) is charged each student who registers after the regular registration period. No registrations for regular class work are accepted after the first Saturday in a quarter except by the consent of the Registrar or the Admissions Committee. *In no case are students permitted to register for credit in any courses after the first full week of the quarter.*

Withdrawal from Courses

A student who desires to withdraw from any course must first secure the written permission of the Registrar and the instructor concerned; otherwise he will be credited with a failure in the course. Blanks for this purpose are available at the Registrar's office. Students who withdraw from courses during the first four weeks of the quarter and secure permission to do so as outlined above will be credited with a "W" in the course from which they are withdrawing. After four weeks such grade can be obtained when dropping a subject only when the student, at that time, is doing passing work and secures permission as described above, or unless the dean of men or the dean of women recommends otherwise because of illness. In all other cases the grade when a subject is dropped is "E."

Classification of Students

Regular Students. All students who have met the full requirements for admission. (See class grouping below.)

Provisional Students. All students who are high school graduates but have entrance deficiencies that have not been removed. Students can not remain in this status longer than three quarters.

Special Students. Mature students over twenty-one years of age who are unable to meet the college entrance requirements but because of some special interest have been permitted to enter classes. Such students will not be considered as candidates for the degree or the Elementary Teacher's Diploma, until they meet the usual entrance requirements.

Probational Students. Those students who are given special status because of having fallen below 1.75 in their grade score for a given quarter.

Unclassified Students. Those students, as a rule transferring from other institutions, whose advanced standing is still in doubt. For social purposes, the Registrar may assign such students to regular classes.

Postgraduate Students. Seattle Pacific College makes no attempt, as yet, to do graduate work. At the same time graduates of this and other institutions frequently find it of value to pursue work here for special reasons even after receiving the baccalaureate degree. Such students from other institutions working here for a diploma will be classified as seniors. All others will be classified as postgraduate students. For social purposes, however, these will also be assigned to the senior class.

Transient Students. Students of other colleges who wish to register at Seattle Pacific with the intention of transferring credit earned here back to their own colleges, may be classified as *transient students*. See page 34 for admission procedure.

Class Grouping of Students

For convenience in organization, students are classified at the beginning of each quarter according to the following arrangement:

Freshmen—Students having less than 45 credits. (Physical Education included.)

Sophomores—Students having not less than 45 credits and 90 grade points. (Physical Education included.)

Juniors—Students having not less than 90 credits and 180 grade points. (Physical Education included.)

Seniors—Students having at least 135 credits and 270 grade points. (Physical Education included.)

(Being ranked with a class in this grouping does not insure graduation with that class.)

Scholastic Requirements

Credits. The term *credit* as used in this catalog is the unit of measure for class work. One credit signifies the value toward graduation, if satisfactorily completed, of a class meeting fifty minutes each week for a quarter of twelve weeks. Two (and sometimes three) fifty-minute periods of laboratory work are required to be equivalent to one such period of regular class work. This is known as a "quarter" credit and is equal to two-thirds of a "semester" credit. (For instance, 45 "quarter credits" are equivalent to 30 "semester" credits.)

Academic Load. The term academic load refers to the schedule of studies for which the student is registered.

Twelve to sixteen credits exclusive of Physical Education Activity are said to be the regular academic load.

Students who carry less than the regular academic load are ineligible to participate in intercollegiate or intramural contests, nor are they eligible to be rated for scholarship honors. By special permission from the Dean, students who maintain a high scholarship standard may be permitted to carry as high as nineteen credits. *Under no condition will a student be al-*

lowed to carry more than twenty credits including Physical Education and all fractional credits. Work taken in non-credit courses or in order to meet departmental or entrance requirements shall count as part of the academic load.

Reduction of Load. A student's academic load is subject to reduction by the Dean for either low scholarship or excess work outside of school hours. Rules governing the reduction of the academic load because of low scholarship will be found in the section entitled "General Scholarship Regulations." The following regulations have been adopted by the faculty as governing the relationship between the student's academic load and his outside work:

<i>Outside Work Allowable</i>	<i>Academic Load</i>
Fourteen hours or less per week.....	15 to 17 credits
Above fourteen hours but not more than twenty.....	12 to 14 credits
Above twenty hours but not more than thirty.....	10 to 12 credits
Above thirty hours.....	6 to 10 credits

Grading System

The work of the student is graded on the following basis:

<i>Grade</i>	<i>Explanation</i>	<i>Grade Points</i>
A	Superior	4
B	Above Average	3
C	Average	2
D	Passing	1
E	Failure	0
W	Withdrawal	0
I	Incomplete	0
S	Satisfactory	0

The grade "E" means a final failure in the course and can be removed only by re-registration for and satisfactory completion of the course concerned.

The grade "S" is used for the satisfactory completion of courses in Physical Education Activity, Oratorio Society, State Manual, and Freshman Guidance.

Students who have received grades of "D" or "E" may repeat the course in which these grades were obtained or may, with the approval of the Dean of the college, substitute another course in its place. In such cases the grade received the second time, either in the repeated or substituted course, shall be the one counted in computing the average grade score required for graduation. For the purpose of determining college honors only the grade received the first time shall be counted.

Final examinations are required in all courses except those in directed teaching. No student whose work is incomplete is allowed to take the final examination. (This means no student may be given the grade "I" in any course in which he has taken the final examination.) Teachers are not allowed to give the final examination to students in any course prior to the time of the scheduled final examination for the entire class in any such course.

The grade "I" indicates that the student did not complete the work assigned for the course because of absence from school during the quarter due to illness or any other accepted emergency. If the period of absence is longer than two weeks this grade can be given only by joint action of the Dean and the teachers involved. When such a grade is given the work must be made up and the final examination taken by the end of the first eight weeks of the next quarter in which the student is enrolled. Otherwise the grade automatically becomes an "E." A fee of fifty cents is required for each such examination, and also for the removal of each "I." Blanks authorizing special examinations and removal of incompletes are to be obtained in the Registrar's office.

The "grade score" of a student is determined by dividing the total number of grade points earned by the student during a certain period by the total number of credits in which the student was enrolled during the same period.

Except in cases of clerical error no instructor may change a grade which he has turned into the Registrar's office.

General Scholarship Regulations

1. Rules concerning warning, guidance, probation, and elimination:

(a) *Warning and Guidance.*

Any student reported to the Dean as doing poor work or whose quarter grade score is below 2.00 is warned and his name is placed on the list of those students needing special guidance.

(b) *Probation.*

Any student whose quarter grade score falls below 1.75 shall be placed on probation for one quarter. This probationary status is automatically removed at the end of the next quarter in residence provided the student earns a quarter-grade score of 1.75 or better.

(c) *Elimination.*

Any student on probation who fails to make a grade score at the close of the quarter sufficient to remove his probationary status shall not be permitted to register for further work until permission to do so has been obtained from the Committee on Academic Standards upon petition.

(d) *Graduation.*

No student shall be granted a diploma or degree whose grade score during his last quarter would place him on probation.

2. Status of Students on Probation:

(a) *Registration.*

Any student on guidance or probation is restricted in his registration, the amount to be left to the discretion of the Dean and the student's registration adviser.

(b) *Candidacy for Diploma or Degree.*

No student on guidance or probation will be recommended for either a diploma or degree (except provisionally).

(c) *Assignments in Directed Teaching.*

No student with cumulative and current grade score of less than 2.00 will be entitled to receive teaching assignments in cadet teaching.

3. Eligibility:

In order to represent Seattle Pacific College in intercollegiate activities, students must have made a grade score of at least 2.00 the preceding quarter in which they were in attendance at Seattle Pacific College. There is no eligibility requirement for participation in intramural activities but in order to be eligible for intramural awards the student must have made a grade score of at least 1.75 during the quarter or quarters for which the award is to be given.

Honors

Individual Honors. Students carrying a regular academic load (12 credits or more) and making a grade score of 3.50 to 4.00 with no grade below "C" will earn "high honors" for the given quarter or year. Students making a grade score of 3.00 to 3.50 will earn "honors" for the given quarter or year.

Graduation Honors. The baccalaureate degree will be conferred "*cum laude*" upon students whose grade score for the entire course is 3.00 but less than 3.50. Those whose grade score is 3.50 but less than 3.80 will receive their degree "*magna cum laude*." In like manner those whose grade score is 3.80 or above will receive their degree "*summa cum laude*." To be eligible for any of these honors a student must have done his upper division work in this College, and his last year's work must be up to the minimum grade score necessary for the honor he is to receive. In determining eligibility for graduation honors only grades earned at Seattle Pacific College will be considered.

Organization of the Curriculum

Seattle Pacific College believes that one of the requisites of a liberal education in the arts and sciences or of a broad foundation for those expecting to teach is an opportunity to enter the main fields of learning and there to catch something of the inspiration and values in each particular field. More nearly to guarantee that each student will have a chance to come into contact with the best that is thought and known in these various fields, provision has been made at Seattle Pacific College for certain definite requirements which demand that a student maintain a wide range in his selection of courses during the first two years of his college course.

For this purpose the various departments have been grouped into divisions such that each division includes departments which are somewhat related. In the listing below, departments in which students may secure a major are followed by "M." For information on divisional majors see pages 46 and 60.

The Divisions

- | | | |
|-----|-------------------------|--------------------------------|
| I. | Language and Literature | |
| | English, M | Japanese |
| | French, M | Latin |
| | German | Spanish |
| | Greek, M | Speech, M |
| II. | Fine Arts | |
| | Applied Music, M | Music Theory and Literature, M |
| | Art | |

- | | | |
|-------|--|--------------------|
| III. | Social Studies | |
| | Economics and Business, M | Political Science |
| | Geography | Sociology, M |
| | History, M | |
| IV. | Religion and Philosophy | |
| | Christian Education, M | Philosophy, M |
| | Missions, M | Religion, M |
| V. | Education and Psychology | |
| | Elementary and Junior High School Education, M | |
| | Secondary Education | Psychology, M |
| VI. | Natural Science and Mathematics | |
| | Aeronautics | Mathematics, M |
| | Bacteriology and Public Health, M | Physics, M |
| | Botany | Pre-Medicine, M |
| | Chemistry, M | Zoology, M |
| VII. | Health and Physical Education | |
| | Nursing Education, M | Physical Education |
| VIII. | Home and Industrial Arts | |
| | Engineering | Industrial Arts |
| | Home Economics, M | |

Graduation Requirements

The following requirements apply to all regular students with the exception of Nursing students, who must follow one of the special curricula to be found on a later page in this catalog.

A. Lower Division Requirements

<i>Bachelor of Arts Degree</i>		<i>Bachelor of Science Degree</i>	
Credits		Credits	
1.	Language and Literature.....20	1.	Language and Literature.....20
	a. English 1, 2		a. English 1, 2
	b. Electives (10 cr.). Students with no high school language must take 15 cr. foreign language.		b. Electives (10 cr.). Students with no high school language must take 10 cr. foreign language.
2.	Fine Arts 5	2.	Fine Arts 2
3.	Biblical Literature 6	3.	Biblical Literature 6
4.	Psychology or Philosophy..... 5	4.	Psychology or Philosophy..... 5
5.	Economics or Sociology..... 5	5.	Economics or Sociology..... 5
6.	History or Political Science..... 5	6.	History or Political Science..... 5
7.	*Health and Physical Education... 9	7.	*Health and Physical Education... 9
	a. Zoology 61		a. Zoology 61
	b. Physical Education 1, 2, 3, 4, 5, 6		b. Physical Education 1, 2, 3, 4, 5, 6
8.	Natural Sciences and Mathematics.15	8.	Natural Sciences and Mathematics.15
	a. Must include with the high school sciences both the physical and biological fields.		a. Two and one-half units of high school mathematics or Math. 1
	b. Courses in Home Economics and Public Health are not accepted as meeting this requirement.		b. Must include with the high school sciences both the physical and biological fields.

*Physical Education is required of all students below the age of 26 unless excused by the college physician.

NOTE: At least three credits of Religion must be taken each year the student is in residence unless the requirement has already been fulfilled.

B. Upper Division Requirements.

The work of the Junior-Senior years may be chosen from the entire range of courses offered in the college, subject to the following limitations:

1. At least 60 credits must be earned in courses numbered 100 or above.
2. Additional credits must be earned in some one department to complete a major. Students must choose a major from Divisions VI or VII in order to qualify for a Bachelor of Science degree.
3. Additional courses in Religion to complete a total of 12 credits, at least 9 of which must be in Biblical Literature.
4. The entire work of the Junior-Senior years, when added to the student's previous record, must total at least 180 credits and 360 grade points exclusive of Physical Education.

C. Be in residence one year. While the College will accept work done in other standard institutions, students presenting such credits must be in residence for at least three full quarters and earn at least 45 credits, eight or more of which must be upper division work in the major department. If but one year only is done at this institution it must be the senior year. In every case, regardless of the extent of previous residence work, the last 15 credits must be completed in actual residence. Credits earned by examination do not satisfy residence requirements.

D. Satisfy the requirements for the Bachelor of Arts degree, or the Bachelor of Science degree, as listed above.

E. Present a total of at least 180 credits with a total of at least 360 grade points, in addition to the required credits in Physical Education for the Bachelor of Arts degree or the Bachelor of Science degree.

F. Candidate must make written application for degree. Each senior, before registering for the first quarter of his senior year, shall file with the Registrar a written application for his degree. Applicants who are late in filing their applications can not be assured of graduation in June.

Majors and Minors

A *major* is defined as at least 36 credits and, as a rule, not more than 60 credits in some one department. At least 18 credits of the specific departmental work must come from courses numbered 100 or above. A student must satisfy the major requirements of his chosen department as to number of credits and prescribed courses. Work of a "D" grade, while counting toward graduation, may not count toward a major.

A *minor* is defined as 24 credits but less than 36 credits in some one department.

SPECIAL SCHOOLS AND CURRICULA

SCHOOL OF EDUCATION

PAUL W. WRIGHT, A.M., *Dean of Education*

In its capacity as a school of education, Seattle Pacific takes its place with such other leading institutions in advocating a broad and liberal background of general education for all prospective teachers. The scores of fine Christian young people from this College who are now successfully teaching throughout America and in several foreign countries constitute a splendid tribute to its ability to give an education which is of a very high order. School administrators in increasing numbers are coming to realize that those who receive their education here have not only the necessary teaching ability and classroom technique but also possess to an unusual degree the high ideals and personality qualities which make for superior teaching.

The School of Education offers opportunity for a wide range of professional study. Definite provision is made to meet the undergraduate needs of distinct groups: (a) Elementary and Junior High School teachers; (b) Senior High School teachers; (c) Supervisors and administrators; (d) Bible teachers. Curricula for those expecting to teach in the elementary and high schools of Washington are given below. Curricula for those desiring to teach in public schools of other states will be outlined, as much as is possible, to meet the requirements of those states. No definite course can be outlined to cover all cases in the third group, though requirements for a Washington Elementary Principal's Credential are listed on page 48. The curriculum required for those looking toward Bible Teaching is given under "School of Religion."

Accreditation. Seattle Pacific College has full recognition as a four-year School of Education by the Washington State Board of Education. It is also fully accredited by the Northwest Association of Colleges, and therefore is recognized by many state Departments of Education.

Appointment Bureau. An Appointment Bureau is maintained under the supervision of the Dean of Education for the purpose of assisting our graduates in securing positions. No charge is made for initial registration with the Bureau. After the first appointment has been obtained, however, assistance for further appointments may be obtained only by re-registration and the payment of an annual fee of \$2.50. This provides for sending out not more than eight credentials during the course of the year. Additional copies when desired will be sent out by the payment of fifty cents each.

Professional Activities Promoted. For the purpose of instilling professionalism among prospective teachers, as well as that of combining professional outlook with a well-balanced social life, the Eta Pi Alpha Chapter of the Future Teachers of America (a national professional honorary organization) is established on the campus. Membership is open to Students of the School of Education.

Curriculum of Elementary Teachers

General Plan. There is a definite demand for teachers throughout the nation. Each state, however, sets up standards of certification which are

highly selective. During the years past, Seattle Pacific College has trained a large number of both elementary and high school teachers for many states of the Union. The requirements for Washington teachers are listed in detail on the pages that immediately follow. Those who are looking forward to teaching in states other than Washington will be expected to meet the requirements for certification in the state concerned. Such students should consult with the Dean of Education upon beginning their work at Seattle Pacific College.

According to action taken some time ago by the Washington State Board of Education, those who expect to teach in the elementary field in the State of Washington must complete a four-year curriculum. The preliminary certificate received is known as the *Three-Year Elementary Certificate*, and is good for a period of three years. It must then be exchanged for the *Six-Year Standard Elementary Certificate*, renewable every six years upon meeting certain specific requirements. Those now holding the preliminary certificate upon the basis of a three-year curriculum must complete the four-year curriculum as outlined on the pages following before receiving this second certificate.

Washington War Emergency Elementary Certificate. Because of conditions arising out of the present emergency, provision is made for those who complete a three-year curriculum (consisting of all the general requirements, and all the professional requirements, or a total of 138 plus 6 quarter credits) to be recommended for an emergency certificate valid for one year in the state of Washington. This War Emergency Certificate is renewable each year during the emergency.

Course of Study. Seattle Pacific College believes that if a teacher is to be strong and virile he must have the background of a broad and liberal training. This is in harmony with recent changes in the colleges of education of this state which are making the first two years of the standard four-year course almost entirely academic and placing most of the professional work in the third and fourth years. It is with this conception of the significance of subject matter to teachers and the entire feasibility of using it as a background for the common branches that our curriculum for the education of elementary teachers is planned. This curriculum makes it possible for students to obtain a standard baccalaureate degree with an academic major and at the same time complete the professional courses necessary for teacher certification.

Directed Teaching. A very important part of the education of teachers is opportunity for actual participation in the teaching function. During the third or fourth year each student is required to teach a full daily schedule for an entire quarter, a 16-credit load. All directed teaching is done in certain selected public schools of King County. The cadet works under the room critic teacher and the principal of the school. A large part of this professional guidance is performed by a supervisor with a limited number of cadets under her supervision. This supervisor is a regular staff member of Seattle Pacific College who frequently visits the cadet in her teaching situation. Periodic group conferences are also held with all cadets. Under this plan the cadet participates in faculty meetings, community and school activities, etc., thus learning in a very realistic way how to cope with the problems which a teacher must face. Seattle Pacific College believes that this program of training is second to none for the effectual pre-service preparation of teachers.

Preliminary and Final Acceptance in Teaching Curricula. At the time of their initial registration in the College, students desiring to teach must signify their desire to pursue a course looking toward teacher certification. This is done by filling out a blank which may be obtained in the Office of Education. At this time such registration will be accepted only as tentative. The status of a regular candidate for the teacher's certificate is obtained during the sixth quarter in attendance if the following conditions are met:

- a. Satisfactory completion of the first five quarters of work, or its equivalent.
- b. Approval by the Guidance Committee as one possessing ideals and personality qualities which make for success in teaching.
- c. A cumulative grade score of at least 2.00.
- d. A degree of health equal to that required by the State for certification.

The Four-Year Education Diploma. Students completing Washington certification requirements as outlined on p. 47, as well as requirements for the A.B. or B.S. degree as outlined on pp. 41 and 42, will receive the *Four-Year Education Diploma* granted by Seattle Pacific College. Provision is made whereby students may deviate slightly from the Washington certification requirements in order to meet the regular certification requirements of another state. Such deviation must be approved by the Dean of Education. When out-of-state certification is desired, such teaching certificate must be registered at Seattle Pacific College before the Four-Year Education Diploma will be granted. Though this diploma is bestowed only when state certification has been received, the diploma in itself does not certify one to teach. Such certification is obtained only from the Department of Education of the State concerned.

School of Education Graduation Requirements

A candidate for graduation from the standard four-year education curriculum, which carries with it the Bachelor's degree, must meet the following requirements:

1. *Meet the regular graduation requirements of the College* as listed elsewhere in this catalog. These include:
 - a. *Be in residence one year.*
 - b. *Satisfy the requirements for the Bachelor's degree.*
 - c. *Present a total of at least 180 credits with a total of at least 360 grade points, in addition to 6 credits in Physical Education.*
 - d. *Make tentative application for degree and certificate before entering final year.* Normally this should be during the last quarter of the Junior year.
2. *Complete the four-year curriculum listed below for the education of elementary and junior high school teachers.*
3. *Candidate must have been approved by the Guidance Committee as a suitable person for the teaching profession.*
4. *Candidate must pass a satisfactory health examination within six months prior to graduation.*

Majors for Elementary Teachers

Elementary certification in Washington as well as in many other states includes the Bachelor's degree. Those preparing for elementary teaching should carefully select a major which will have future professional value. Two main types are offered, *departmental* and *divisional* majors, with a number of distinct possibilities in each type. For the most part, a divisional

major will have greater value for an elementary teacher than a departmental major. *There must be at least eighteen upper division credits in any major.*

Departmental Majors

- | | | |
|-----------------------------------|------------------------------|-----------------|
| 1. Bacteriology and Public Health | 5. English | 10. Physics |
| 2. Chemistry | 6. French | 11. *Psychology |
| 3. Economics and Business | 7. History | 12. Sociology |
| 4. *Education | 8. Mathematics | 13. Speech |
| | 9. Music (applied or theory) | 14. Zoology |

*Approved Cases Only:

- (a) Former students or transfers having already begun an education major and having accumulated a large number of credits in this field.
- (b) School administrators.
- (c) Experienced teachers specifically preparing for remedial work or guidance.

Divisional Majors

A total of 50 credits is required for a divisional major, which may be taken in six of the eight divisions. In each case 25 or 30 credits are to be concentrated in one department, the remaining credits to be spread among other departments comprising the division.

- I. *Language and Literature*
 1. 25 credits: **English** (exclusive of English 1 and 2)
25 credits: Speech and foreign language. (Maximum for language, 15 credits.)
 - or 2. 25 credits: **Speech**
25 credits: English (exclusive of English 1 and 2) and foreign language. (Maximum 15 credits.)
- II. *Fine Arts*
 1. 30 credits: **Music**
20 credits: **Art**
 - or 2. 30 credits: **Art**
20 credits: **Music**
- III. *Social Studies*
 1. 25 credits: **Economics and Business**
25 credits: Geography, History, Political Science, Sociology.
 - or 2. 25 credits: **History**
25 credits: Economics and Business, Geography, Political Science, Sociology.
 - or 3. 25 credits: **Sociology**
25 credits: Economics and Business, Geography, History, Political Science.
- VI. *Natural Science and Mathematics*
 1. 25 credits: **Bacteriology and Public Health**
25 credits: Chemistry, Mathematics, Physics, Zoology.
 - or 2. 30 credits: **Chemistry**
20 credits: Bacteriology and Public Health, Mathematics, Physics, Zoology.
 - or 3. 30 credits: **Mathematics**
20 credits: Bacteriology and Public Health, Chemistry, Physics, Zoology.
 - or 4. 30 credits: **Physics**
20 credits: Bacteriology and Public Health, Chemistry, Mathematics, Zoology.
 - or 5. 25 credits: **Zoology**
25 credits: Bacteriology and Public Health, Chemistry, Mathematics, Physics.
- VII. *Health and Physical Education*
 1. 30 credits: **Health** (including Anatomy, Bacteriology, Hygiene, Physiology, and Public Health).
20 credits: Physical Education.
- VIII. *Home and Industrial Arts*
 1. 25 credits: **Home Economics**
25 credits: General Art.
 - or 2. 25 credits: **Home Economics**
25 credits: Bacteriology and Public Health, Chemistry, Mathematics, Physics, Zoology.

Requirements for Teacher Certification

This outline is in harmony with requirements recently determined by the Washington State Board of Education. Those who desire certification in states other than Washington should confer with the Dean regarding requirements of those states. Students who plan to receive the Washington one-year war emergency certificate based upon nine quarters and 138 plus 6 credits should complete all the general and professional requirements. Completion of requirements below will grant the Washington "Three-Year Elementary Certificate."

GENERAL REQUIREMENTS:	CREDITS
Art	7
English (including Composition, General Literature, and Children's Literature)	16
Geography	5
Health and/or Physical Education (Exclusive of P. E. Activity)	7
History (including Washington State History and Government)	10
Industrial Art or Home Economics	3
Literature, Biblical	12
Mathematics, Educational	3
Music (exclusive of Applied Music)	7
P. E. Activity	6
Science (Physical and Biological)	14
Social Science (Economics and Business, Political Science, Sociology)	5
Speech	5
Total	100
PROFESSIONAL REQUIREMENTS:	
Observation, Technique, and Teaching	31
State Manual	0
Education and/or Psychology Electives	13
Total	44
FIELDS OF CONCENTRATION	24
(Two with a minimum in any one field of 12 credits)	
Art	Home Economics
Biological or Physical Sciences	Industrial Arts
English and/or Speech	Mathematics
Foreign Language	Music
Geography	Social Sciences
Health and Physical Education	
ELECTIVES	18
Grand Total	186

Four-Year Curriculum for Teachers

Graduates Receive the B.A. or B.S. Degree

This is the regular four-year course. Those completing both it and the degree requirements listed elsewhere receive the "Three-Year Elementary Certificate" issued by the Washington State Board of Education. The following schedule by years is recommended. Those deviating from this plan should do so only with the assistance of an adviser.

FIRST YEAR	CREDITS	SECOND YEAR	CREDITS
English Composition	10	Social Science	5
Science (Physical & Biological)	10	Geography	5
History	7	English Literature	3
Art	7	Music Fundamentals	2
Speech	5	Music Electives (Not Applied)	3
Bible Literature	3	Science	4
Physical Education Activity	3	Mathematics for Teachers	3
Electives	3	Health Education	3
		Home Economics or Industrial Arts	3
TOTAL	48	Physical Education	3
		Bible Literature	3
THIRD YEAR		Physical Education Activity	3
Directed Teaching	16	Electives	8
State Manual	0		
Washington History & Government	3	TOTAL	48
Teaching Technique (Methods, including Tests and Measurements)	15	FOURTH YEAR	
Bible Literature	3	Children's Literature	2
Fields of Concentration and Electives	8	Public School Music	2
		Bible Literature	3
TOTAL	45	Education and Psychology Electives	13
		Fields of Concentration and Electives	25
		TOTAL	45

Renewals. The "Three-Year Elementary Certificate," if issued prior to Sept. 1, 1942, is renewed by earning fifteen quarter credits subsequent to the date on which the certificate was issued. A lapsed certificate requires six or fifteen credits in addition to those normally required for renewal. Holders of certificates must take great care to renew them before the actual date of expiration, otherwise the penalty for a lapsed certificate is attached. Responsibility for this action rests upon the teacher.

Elementary Principal's Credential. Special certification, known as the "Elementary School Principal's Credential," is required of all Washington principals in schools of six or more teachers. Requirements for this credential include, (1) certification at the elementary level; (2) at least two years of successful teaching in the elementary or junior high school; (3) twelve quarter credits in addition to the above in courses relating to elementary organization, supervision, and administration; (4) these twelve credits to be taken subsequent to at least one year of teaching experience. Seattle Pacific College offers courses which apply toward this credential.

Curriculum for High School Teachers

The standards for teaching in the high schools of the State of Washington and of several other states require five years of work beyond high school graduation. This means one year, commonly called the "fifth year," beyond regular college graduation. No effort is made by Seattle Pacific College to provide this fifth year of work. Many states, however, require only a regular college course with a specified number of hours in secondary education. Since Seattle Pacific College is accredited by the Northwest Association, our graduates who meet prescribed state requirements are eligible to teach in the high schools of many other states, except that directed teaching (and usually state manual) must be taken elsewhere. Seattle Pacific College makes no attempt to give practice teaching on the high school level.

Those who wish to teach in the high schools of Washington must attend some school which offers the "fifth year," after graduation from the four-year course here. Only by very careful planning can students obtain both the teaching certificate and a Master's degree during the "fifth year." In order to be able to enter the fifth year an average grade point of 2.5 must be obtained in the first four years of work. "Fifth year" standing cannot be attained until after the completion of Education 2 or 3, 101, 130, and 152.

The requirement for admission to undergraduate professional courses beyond Education 2, or 3 is the completion of 90 academic credits of college work earned in Seattle Pacific College or in an accredited institution of equal rank, including the usual undergraduate requirements in physical education.

The specific requirements which can be met during the regular college courses are:

- (a) Earn twenty-three credits in required education courses as follows:
 - Education 2, or 3, Principles of Education . . . 3 Credits
 - Education 101, Secondary Education 3 Credits
 - Education 130, High School Methods 5 Credits
 - Education 152, Educational Psychology 5 Credits
 - Education 170, Tests and Measurements 5 Credits
 - Education 180, Special Methods 2 Credits
- (b) Earn at least fifteen credits in courses dealing with contemporary social problems (economics, political science, sociology). History 127 must be included in this group.
- (c) Complete a *teaching major* consisting of thirty-six to forty-five credits in a subject which is taught in the average high school.
- (d) Complete two *teaching minors* consisting of at least twenty-four credits in two other subjects which are taught in high school.

Teaching Majors and Minors

Teaching majors and minors must be carefully chosen so as to present a teaching combination frequently asked for by superintendents. The Education Office has valuable information along this line for the student's guidance, and for which he should ask.

The departments offering teaching majors and minors include the following:

Bacteriology	English	Mathematics	Sociology
Chemistry	French	Music	Speech
Economics	History	Physics	Zoology

SCHOOL OF MUSIC

LAWRENCE R. SCHOENHALS, *Director*

General Information

The School of Music at Seattle Pacific College endeavors to include in its curriculum those courses in applied and theoretical music which are necessary to a well-rounded musical education and at the same time to assist the general college student with undeveloped musical talents to achieve a musical culture in keeping with the liberal arts ideal.

Because of its favorable location in a large city, students at Seattle Pacific have frequent opportunity to see and hear the country's finest musicians. Concerts by Seattle's own Symphony Orchestra, an opera series by the San Francisco Opera Company, and numerous recitals provide attractive fare for the most discriminating listener.

Opportunities for public appearances by advanced music students are numerous. These include radio broadcasts both on and off campus and occasional network programs. For a number of months the Light and Life Hour has originated in McKinley Auditorium, with the music staff composed entirely of present and former S.P.C. students.

Instruction is offered in the following fields: Music theory and literature, public school music, applied music, and choral and instrumental ensembles.

Equipment

The facilities of the School of Music include three studios, office, classroom, phonographs, three-manual Kimball organ, two-manual Orgatron, practice pianos, and several band instruments. The Kimball organ was the generous gift of Mr. and Mrs. Wesley Crawford and the Orgatron was the memorial gift of Mrs. Grace Marston and Miss C. May Marston.

Libraries

An excellent, up-to-date collection of books on music is housed in the main college library. Vocal and instrumental scores and phonograph recordings are available in the Music Hall for individual and class use. Through an annual appropriation, these various collections are constantly being expanded and are supplemented by the music section of Seattle's excellent Public Library.

Organizations

A Cappella Choir. Outstanding among the musical organizations at Seattle Pacific is this select group of approximately fifty singers. Since its organization in 1936 and through its annual concert tours the choir has become favorably known throughout the Northwest for the spirit, precision, and artistry of its performances.

Band. For many years the band has played an important part in the musical life of the school. Its main function is to provide music for athletic and other campus events.

Music Club. The Euterpeans, named for Euterpe, the muse of music, are active in promoting the general musical interests of the college. Activities include the sponsorship of campus musical programs, ushering at all concerts, and arranging for group attendance at downtown concerts. Officers for the following school year are elected each May.

Oratorio Society. This organization, numbering from 100 to 200 voices, presents two concerts each year—at Christmas and at Commencement. The Messiah, Elijah, St. Paul, Hymn of Praise, and The Holy City are some of the major works presented in recent years.

Orchestra. Popular with both players and audience is the orchestra. It is heard periodically throughout the year during the Chapel Hour.

Quartets. Probably no other college quartets in the Northwest are as well known as the Victory and the Clarion male quartets from S.P.C. These are organized each fall after rigorous tryouts and represent the college at churches, conventions, civic meetings, and schools throughout a wide area.

Requirements for a Major in Music

All students majoring in this department must acquire a proficiency in piano at least equivalent to course 63A. Greater proficiency is strongly recommended. Freshmen will not be given advanced credits in music, but may be permitted to substitute other approved courses for those omitted. In any case the applied music totals for the degree may not be changed.

Two curricula are offered leading to the Bachelor of Arts degree with a Major in Music.

- I. *Major in Theory and Literature.*
 - a. Courses 4, 5, 6, 77, 94, and 95 are required.
 - b. A minimum of 48 credits in music of which at least 18 are upper division.
 - c. 9 credits in applied music of which at least 6 are in one branch.
 - d. Membership in one of the campus choral or instrumental organizations each quarter.
- II. *Major in Applied Music.*
 - a. Courses 4, 5, 6, 77, 94, and 95 are required.
 - b. A minimum of 48 credits in music of which at least 18 are upper division.
 - c. 18-24 credits in applied music, half of which must be upper division.
 - d. Membership in one of the campus choral or instrumental organizations each quarter.
 - e. Junior and senior recitals given to the satisfaction of the music faculty.

All students majoring in music are required to attend the concerts and recitals sponsored by the Department of Music. No student is permitted to engage in the teaching of music without the permission of the Director. Applied music students should not appear in public solo performances without the permission of their respective instructors.

Lessons missed through the fault of the student will not be made up except at the discretion of the teacher. Lessons missed because of all-school holidays will be made up at the convenience of the instructor.

Fees in Applied Music

For fees in applied music see page 26.

SCHOOL OF NURSING

EVA A. SHERWOOD, A.M., R.N., *Director of Nursing Education*

Purpose

As a Christian College, Seattle Pacific believes the profession of nursing constitutes a most appropriate field for Christian service. Following the example of Jesus, the Christian church throughout the centuries has recognized the close relationship between the physical and spiritual needs of the individual.

Prior to the war, Seattle Pacific College was giving much attention to the education and training of nurses. At that time the School of Nursing was offering two curricula, one leading to the Bachelor of Science degree and the nurse's diploma and the other leading only to the nurse's diploma. Both of these courses were modified to some degree during the period of the war, especially in the United States Cadet Nursing Program.

Contrary to expectation, the major attention given to nurse's training during the last few years has not resulted in an oversupply of trained nurses. Recent reports have shown many opportunities for the registered nurse in the fields of public health and institutional nursing. This growing demand for the professional nurse is the cause for a continuing shortage of nurses.

Plan of Instruction

There are approximately 1,400 schools of nursing in America. A large portion of these are owned and operated by hospitals. Increasingly, however, the demand for academic, as well as professional training, has brought about a real demand for hospitals to be connected with Universities or affiliated with colleges in order to provide a better course. This combination course has been very much in vogue in the State of Washington for more than 10 years. Since the close of the war it is coming more and more to be the dominant approved program. Seattle Pacific College, in keeping with the University of Washington and other leading colleges, is likewise modifying its offerings so as to be in step with the prevailing point of view. Although the college will continue to cooperate with various hospitals with which it is not affiliated, and whose courses do not lead to a college degree, its major emphasis is upon the regular degree program.

To carry out this program, Seattle Pacific College is affiliated with the School of Nursing of the University of Washington and, through the University, with its hospital divisions known as the Harborview Hospital Division and the Swedish Hospital Division.

Nursing students pursue a specified course covering the first eight quarters here at Seattle Pacific College. They then transfer to the University of Washington School of Nursing and continue their professional training in the Harborview or the Swedish Hospital Division. During this period they are officially enrolled with the University of Washington, but also carry nominal enrollment at Seattle Pacific College. At the conclusion of the course, graduates receive the Bachelor of Science degree in nursing from both the University of Washington and Seattle Pacific College. Such graduates, of course, upon passing the State examinations are also licensed as registered nurses and are entitled to use the letters R.N. after their names.

Facilities

Facilities at Seattle Pacific College for the academic studies in either type of program include the entire teaching personnel, laboratory equipment, and library resources of the college. Provision is made for specialized instruction in the fields of nutrition, the biological and physical sciences, bacteriology, and human anatomy.

Within certain limits, students have the privilege of a choice between Harborview and Swedish Hospitals. Both Hospitals, however, offer excellent opportunity for superior nursing instruction and practice under the direction of the University of Washington School of Nursing. The Harborview King County Hospital is a modern, 500-bed hospital and is one of the best of its kind in the country. The Seattle Swedish Hospital also is one of the most outstanding private hospitals in the West. Its recently enlarged facilities make it possible to accommodate 375 patients.

Curriculum for Nurses

Leading to Both the Nurse's Diploma and the B.S. Degree

Part I—At Seattle Pacific College

Two Calendar Years (Eight Quarters)

Entrance Requirements. The requirements for admittance to the Seattle Pacific College School of Nursing include the regular requirements for matriculation as found elsewhere in this catalog. These have to do with character, scholarship, ideals, health, financial ability, and general promise of the future. Specific requirements include graduation from an accredited three-year senior high school or its equivalent, scholarship throughout the high school years equal to a grade "C" or better, satisfactory health as shown by the regular entrance physical examination. It is required that candidates for admission present specific credits from high school as follows: English, 3 units; mathematics (algebra and geometry), 2 units; foreign language, 2 units of one; social science, 1 unit; laboratory science, 1 unit.

Costs. The charges per quarter at the College are essentially as follows: Tuition, \$80.00; incidental fee, \$20.00; student body fee, \$5.00; board and room \$140.00. This does not include books, items of a personal nature, or private instruction. Dormitory students are allowed to care for the above expenses by work at the school up to \$50.00 per quarter. The rate paid for student labor is 65c per hour.

A grade score of not less than 2.5 (for Washington residents) and 2.7 (for non-residents) must be maintained by nursing students on the campus.

Part II—At Harborview or Swedish Division

Two and One-half Calendar Years (Ten Quarters)

Entrance Requirements and procedure. During the first year at Seattle Pacific those enrolling at the School of Nursing will be given guidance in regard to actual procedure for admittance to the training classes in the Hospital Division. A definite schedule will be prepared for each student showing just when she will transfer to the hospital.

Before being approved for admittance to the Hospital Division each candidate must pass a rigid physical examination. Particular stress is also given to the scholarship maintained in the work done at the College. The necessary blanks for admission to the Hospital Division are provided through our own School of Nursing.

Costs. The student will be officially enrolled with the University of Washington School of Nursing during the two and one-half years at the Hospital, and her tuition paid by the Nursing Education fund of the School. Full maintenance is provided with single or double rooms.

There is a charge, however, for uniforms, textbooks, and incidentals. The total charge for these items for the two and one-half year period in the hospital is approximately \$100.00. The major outlay will be at the time of transfer. To meet this each student should be ready to spend about \$65.00 at the time of admittance to the Hospital Division. The remaining total cost while at the hospital for the two and one-half years, aside from items of personal nature, will therefore not exceed \$35.00.

During this period the student is also nominally enrolled at Seattle Pacific College as well as with the University School of Nursing. There is no charge, however, at Seattle Pacific until the time of graduation, when there is a diploma fee of \$10.00.

Curriculum. During the first two quarters at Harborview, students spend approximately fourteen hours per week in study and class work and about thirty hours per week in hospital practice. After the first two quarters students spend approximately eight hours per week in study and class work and about thirty-six hours per week in hospital practice. A self-defined curriculum of study is outlined covering such fields as surgery, medicine, obstetrics, pediatrics, operating room, out-patient and emergency, communicable diseases, diet therapy, physio-therapy, X-ray, and diagnostic laboratories. Psychiatry, tuberculosis, and visiting nursing are obtained in other teaching units of the University.

Courses to Be Taken at Seattle Pacific College

Two and Two-thirds Academic Years or Two Calendar Years (Can Be Taken in Eight Consecutive Quarters)

COURSE	CREDIT	COURSE	CREDIT
English 1 (Comp)	5	Biblical Literature	6
English 2 (Comp.)	5	Zoology 61 (Hygiene)	3
Chemistry 1 (Inorganic)	5	Zoology 100 (Anatomy)	3
Chemistry 2 (Inorganic)	5	(Lectures and Dem.)	3
Chemistry 163 (Organic)	5	Zoology 101 (Anatomy Lab.)	3
Psychology 1 (Gen.)	5	Zoology 29 (Physiology)	5
Sociology 1 (Gen.)	5	Zoology 30 (Physiology)	5
Bacteriology 52 (Gen.)	5	Physics 70 (Physics for Nurses)	5
Bacteriology 162 (San. and Clinical)	5	Physical Education	6
Home Economics 63 (Nutrition Lab.)	3	Nursing Education 120 (Nursing Arts)	5
Home Economics 82 (Nutrition Lectures)	3	Pharmacy 51 (Elem. Pharm.)	2
Home Economics 118 (Diet Therapy)	5	Electives	26
Nursing Education 1 (History of Nursing)	3	Total	128

SCHOOL OF RELIGION and the INTERNATIONAL SCHOOL OF MISSIONS

E. WALTER HELSEL, *Dean*

General Statement. To answer the unprecedented demand of the present day for a thoroughly trained and spiritual Christian leadership, Seattle Pacific College, through its School of Religion and its International School of Missions, has made unusual provision for the education of those looking toward full-time Christian service. The unique opportunity here available has brought about a remarkable growth in this department during the last few years. Men having regular pastorates in and near Seattle are increasingly making use of the opportunity presented here for the continuation of collegiate training.

Standing. Through its offerings Seattle Pacific College meets the requirements of the Commission on Education of the Free Methodist Church and many mission boards and independent missions for the training of ministers and missionaries and is also approved by the Educational Board of the Methodist Church for the Collegiate training of ministers.

School of Religion

Objectives. The outstanding objective of the School of Religion is to provide definite training for those expecting to become ministers, missionaries, or other full-time Christian workers. The School of Religion has in mind three specific groups.

1. Those who are unable to go beyond a college education for their theological training.
2. Those looking toward Bible teaching and full or part-time work in the field of Christian education.
3. Those expecting to be church secretaries or pastors' assistants.

Who May Enroll? These courses are open to any student who is a graduate of an accredited high school and can meet the regular college entrance requirements. However, since this work is unique in its nature, students may be refused admittance into these courses because of personality handicaps which might not disqualify them for admission to the regular arts or science courses.

Field Work. Great emphasis is placed upon practical experience in Christian work. Unlimited opportunities are available along this line in a great city like Seattle, which would be lacking if the College were located in a small town. A very important phase of this field work is the *mission work*.

The second phase of the field work is that provided by the special singing groups, notably the *gospel quartets*. Scores of calls are accepted each quarter for special singing in the various churches, schools, clubs, and public gatherings in Seattle and throughout the Northwest.

Supplying Sunday School Teachers is a third class of the field work. Nearly one hundred students are regularly engaged in work as officers and teachers in the various Sunday Schools in and near Seattle. This type of field work constitutes a real practice school for the work in Christian Education.

A fourth type of field work is *occasional preaching and speaking*. Numerous calls come in for student speakers for regular Sunday morning and evening services, for special young people's services, for week-night devotional services, prayer meetings, etc. This gives the advanced students in the school a fine opportunity for practice in actual situations.

Campus Religious Organizations. The missionary organization on the campus, known as *The Foreign Missions Fellowship*, includes both those who are actually planning to serve on foreign fields, as well as all those who are seeking God's will for them concerning missionary work. This large number of students is organized for the purpose of stimulating missionary interest on the campus and in the churches, by the means of regular meetings on alternate Fridays and other programs throughout each quarter.

The Watchmen is the organization of ministerial students on the campus. This large group of men meet regularly on alternate Fridays to listen to talks by leading ministers of the city, and to discuss the various aspects of the Christian ministry.

The Committee on Religious Activities, composed of the president of the student association, the student director of religious activities, the chairman of the *Foreign Missionary Fellowship*, the chairman of *The Watchmen*, the chairman of the prayer groups, and the Dean of the School of Religion, organizes and promotes the student religious activities of the school for the purpose of encouraging growth in grace and an aggressive spirit of evangelism among the students.

Two Majors Available. The School of Religion provides for two distinct fields of major study: a major in Religion and a major in Christian Education. Those contemplating regular ministerial work or planning to continue their study in a graduate Theological seminary should major in Religion, and prospective Sunday School and Bible teachers, church secretaries and pastors' assistants should choose the Christian Education major. All curricula lead to the Bachelor of Arts degree. The following indicate the courses for each major:

I. Major in Religion, for prospective Ministers.

1. Requirements in Religion: 48 credits, 20 of which must be upper division, divided as follows among the four fields of study:

Biblical Field	18 credits
Theological Field	10 credits
Historical Field	9 credits
(Including one course in Missions)	
Practical Field	11 credits
2. Supporting subjects recommended:

English and/or American Literature.....	8 credits
Philosophy (including Logic).....	8 credits
Psychology	10 credits
Speech	8 credits
3. *Pastoral Work*. A most important aspect of education and training for the ministry is participation in actual pastoral work. Dur-

ing the fourth year each student is required, whenever practicable, to spend his entire time for one quarter in an actual church situation for which 16 quarter credits will be granted. Each student is assigned to a selected pastor with whom he will work as an apprentice or understudy, the work to cover the various aspects of the ministry, including Sunday School work, pastoral calling, young people's work, preaching, conducting special services, church organization, business and finance, church advertisement, general evangelism, etc. Both the pastor and the student will report regularly concerning the work being done. Whenever possible the student should actually live in the community during the time he is working there.

NOTE: Students who contemplate attending a graduate Theological seminary may substitute courses in some one academic field for 4 credits in each of the four areas of study listed above under "1"; or they may choose to pursue a regular academic major, providing they elect basic courses in Religion and Philosophy, which should include Religion 22, 72, 141; 18 credits of Bible Study, including Religion 10, 11 and 17; and Philosophy 1 or 2, 30, and 150.

II. Major in Christian Education, for Church Workers.

Curriculum A: For Sunday School, Mission School, and Bible School teachers, Directors of Christian Education, Children's and Youth Workers, and general Church Workers.

1. Requirements in Religion: 49 credits, 20 of which must be upper division, including Introduction to Christian Education, Personal Evangelism, Child Growth and Development, Directed Teaching in the Church School, Church Activity Program, and Christian Education of Children or Christian Education of Youth, along with History of the Christian Church, Survey of Christian Doctrines, and 18 credits of Bible Study.
2. Recommended electives are: 10 credits in Psychology, 8 credits in Speech, 10 credits in Sociology, Education 125, and one course in Philosophy.

Curriculum B: For Church Secretaries, Pastors' Assistants, general Church Workers, Directors of Christian Education, etc.

1. Requirements in Religion: 36 credits, 15 of which must be upper division, including Introduction to Christian Education, Personal Evangelism, Child Growth and Development, Directed Teaching in the Church School, and Church Activity Program, along with 18 credits of Bible Study.
2. Requirements in either one or both Secretarial Science and Music:
 - a. Secretarial Science: Proficiency in both Shorthand and Typing, plus one course in Office Procedure.
 - b. Music: Music Fundamentals, Song Leadership, and Hymnology, plus applied music in at least one field, according to interest.
3. Recommended electives are: 10 credits in Psychology, 8 credits in Speech, 10 credits in Sociology, Education 125, and one course in Philosophy.

The International School of Missions

General Statement. Seattle Pacific College, originally founded for the purpose of training of missionaries, is providentially and strategically located in the city of Seattle, the gateway to the Orient. The International School of Missions of Seattle Pacific College is likewise providentially instituted to meet the need, the challenge, and the unlimited opportunities of World Missions, particularly in the Orient, South America, and the entire Pacific Rim.

Objectives. The basic objective of the International School of Missions is adequately to prepare followers of Christ to effectively carry out Christ's commission of world-wide evangelism. Related to this main objective is the purpose of The International School of Missions to stimulate interest in world missions and promote the cause throughout the country as well as in the Northwest, in the city of Seattle, and among the students of Seattle Pacific College.

Who May Enroll. Three general groups of students will be enrolled in The International School of Missions.

1. Regular college students who are pursuing the curriculum for a major in missions and the Bachelor of Arts degree.
2. Missionary candidates, whether college graduates or not, who desire intensive training in language and other fields, immediately prior to their going to the mission field.
3. Returned missionaries, whether college graduates or not, who desire to pursue their studies of the field in which they have been working.

Regular college students pursuing the missions major will not pursue the intensive program in any field and may enroll only in courses which carry academic credit. Students in either group 2 or group 3 may enroll both in courses with credit and courses without credit.

Types of Courses Offered:

1. Regular college courses in many fields, with specified academic credit.
2. Private tutoring (two to five in a group) in language study, either with or without academic credit.
3. Specially directed individual study in various fields related to missions, such as the history and culture of a specific country or people, either with or without academic credit.
4. Special non-credit courses in the same fields, and in various phases of the manual arts or home economics.

Major in Missions, for prospective missionaries pursuing the regular liberal arts course leading to a degree:

1. Requirements in Religion: 52 credits, 20 of which must be upper division, including History of Missions, Missionary Principles, Problems of the Church in Foreign Lands, Religions of the World, Along with History of the Christian Church, Survey of Doctrine, 18 credits of Bible Study and 13 credits in the Practical Field.
2. Recommended electives: Public Health, Hygiene and First Aid, 10 credits in Psychology, 8 credits in Speech, 10 credits in Sociology, one course in Philosophy, and for women, Home Nursing and Home Economics, and for men, Industrial Arts.

The Intensive Program. Students in groups 2 and 3 above may enroll in a 3, 6, 9, or 12-month program which may include 10 hours a week of

class instruction in a language and as much as 5 hours a week of private tutoring, along with from 2 to 5 hours of class instruction each week in the history and culture of a country or people; in some phase of the manual arts, home economics, or home nursing; or in any regular college course currently offered.

Special Study. Students not desiring to pursue either the regular liberal arts course or the intensive course may enroll as a part-time student and pursue specific studies according to the time available.

Tuition. The tuition and other fees for students in the International School of Missions is the same as that for all other regularly enrolled college students. The School of Missions, however, makes provision for a liberal discount to approved missionary candidates who are being supported by any established missionary society, board, or organization. In such cases the School of Missions allows a discount equal in magnitude to any such scholarship or tuition aid. For instance, if a missionary board pays half the tuition charge (\$37.50), the School will discount the other half of the tuition charge, thus relieving the candidate of any tuition expense. For those who wish to carry part time work, adjustment will be made in the tuition charge.

FLIGHT SCHOOL

Seattle Pacific College maintains its own school for the training of aviators. Two courses leading to a Private Pilot's Certificate are offered.

Six-quarter Elective Credit Course. Regular college students wishing to carry flight training as an elective credit course may do so by spreading the work over six quarters (two academic years). In such cases 2 credits in ground instruction and 1 credit in flying are taken each of the first two quarters and 1 credit in flying each of the remaining four quarters. This gives a total of 4 credits in ground instruction and 6 credits in flight instruction. Veterans regularly enrolled as college students may include this course as an elective with the cost covered in the G.I. benefits.

One-quarter Intensive Course. Provision is also made to cover both the flight training and the ground instruction in the above elective course in an intensive way during a single quarter. Students doing this need not be regularly enrolled college students. Veterans choosing this course (when approved by the Veterans Administration) will have the cost covered by the G.I. benefits.

COURSES FOR PRE-MEDICAL AND PRE-DENTAL STUDENTS

Some medical schools accept three-year medical students but they strongly recommend a four-year preliminary for candidates. Students expecting to enter a medical school should keep informed regarding the requirements of the school which they expect to attend after the completion of the pre-medical course here. By properly selecting his subjects a student can earn the Bachelor of Science degree and at the same time qualify for entrance to a medical or dental school. Under the direction of the American Association of Medical Colleges, Seattle Pacific has arranged to give the Medical Aptitude Test each year to those seeking admission to a medical school.

Pre-Medic Major

In order to allow pre-medical students the widest possible background in basic sciences, while at the same time completing all the other requirements, a major in this department may be earned by the completion of not less than 30 hours in one field and 20 hours in each of two fields. These fields may include any three of the following: Bacteriology, Chemistry, Physics, Zoology. Mathematics through Trigonometry is required.

Combined Curricula

In some cases it is possible to enter a professional school (Dentistry, Law, Medicine) at the close of the Junior year. Such students may be granted a Bachelor's Degree from Seattle Pacific College, providing the following conditions are met:

1. Completion of three years of college work (minimum of 135 credits), at least the last year of which must have been taken at Seattle Pacific.
2. Completion of all college degree requirements, including a major, with the exception of upper division elective credits.
3. The College Registrar must be notified of the student's plan to participate in the program not later than the beginning of the Junior year.
4. A transcript showing satisfactory completion of the first year's work (grade score 2.50 or better) at an accredited professional school, together with a \$10 diploma fee, must be filed with the College Registrar.

Suggestive Curriculum for a Pre-Medical or Pre-Dental Course

The following schedule by years is recommended for those preparing for the fields of medicine and dentistry. Those completing it and the degree requirements listed elsewhere will receive the B.S. degree with a major in Bacteriology and Public Health, Chemistry, or Zoology. Those deviating from this plan should do so only with the assistance of their major professor.

FIRST YEAR		SECOND YEAR	
	CREDITS		CREDITS
English Composition	10	Physics, 1, 2, 3	15
Zoology, 1, 2	10	Chemistry 1, 2, & 21	15
Bible Literature	6	Physical Education	3
Physical Education	3	History	5
Psychology, 1	5	Music or Art	2
Speech	2	Hygiene	3
Mathematics	10	Sociology	5
Electives	2		
	<hr/>	Total	<hr/>
Total	48		48
THIRD YEAR		FOURTH YEAR	
	CREDITS		CREDITS
Chemistry, 163, 164, 153	15	Electives in Major Field	15
Foreign Language	15	Bible Literature	3
Physiology	10	Math. & Science Electives	15
Bible Literature	3	Electives	12
Electives	2		
	<hr/>	Total	<hr/>
Total	45		45

Other Pre-Professional Curricula

In addition to the special curricula listed in this catalog there are other pre-professional curricula available by special arrangement. Careful planning with the chairman of the committee of Admissions is advisable in every such case.

Lower and Upper Division Courses

A sharp distinction is made between courses designed to meet the needs of students in the first and second years and those for more advanced classes. Courses numbered below 100 are for first and second year students. Courses numbered 100 or above are reserved for upper division students. Only in very exceptional cases will a lower division student be permitted to register for a course numbered above 100.

Description of Courses

Explanation. The following pages contain a list of all the courses offered by the College. In most departments the courses are arranged to cover a two-year cycle, some courses being offered every year, others in alternate years. This gives a wider range of electives over a period of years than could otherwise be offered.

Courses bearing numbers from 1 to 99 are lower division courses, and normally offered to freshmen and sophomores. Upper classmen can register in these, but they will receive lower division credit. Courses bearing numbers of 100 or above are open only to juniors and seniors and constitute upper division courses.

Two numbers connected by a hyphen (thus 11-12) indicate a course which usually carries credit only when both parts have been completed. The instructor's permission must be obtained in order to receive credit for only a single quarter of such a course. Two numbers connected by a comma (thus 11, 12) indicate two courses with a definite sequence, the first of which may be taken with credit without being required to complete the second.

The College reserves the right to cancel any course in which the enrollment is less than six. No fee will be charged for changes in registration owing to such cancellation.

Summer Courses. Courses offered during the 1947 Summer Session will be listed in the 1947 Summer Bulletin. As a matter of record, courses offered during the 1946 Summer Session are listed with the regular courses that follow (under the NOT OFFERED section), although the quarter is not stated.

ART

Assistant Professor, VIOLET HARRIS

The aim of all the Art Courses is creative effort based on fundamental art principles. The courses are offered to fulfill a three-fold need: (1) to meet the Art requirements for teaching certification; (2) to give a basic art foundation; (3) to open a new field for individual expression and enjoyment.

1. DESIGN.
Three credits. Autumn quarter.
A study of the principles of art structure, their development through original problems; an appreciation of the fine arts.
2. DESIGN TECHNIQUES.
Three credits. Winter quarter.
Application of design principles in practical problems. Techniques in use of pencil, ink, crayon, paint, paper, etc.
- 9, 10, 11. DRAWING.
Three credits. Autumn, Winter, Spring quarters.
Charcoal, pencil and chalk sketching from life and still life. Problems in illustration.
13. LETTERING.
Three credits. Spring quarter.
A course in lettering based upon the principles of design. Brush and pen techniques.
28. ELEMENTARY CRAFT.
Two credits. Spring quarter.
For teachers and mission workers. Elementary problems in different materials; bookbinding, cut paper, weaving, woodwork, etc.
77. ART APPRECIATION.
Two credits. Autumn quarter.
This course is planned for those interested in the part that art plays in interior design, costume design, and in everyday life.
101. ADVANCED DESIGN.
Three credits. Autumn quarter.
Problems in textile designing; blockprinting, screen painting.
- 109, 110, 111. PAINTING.
Three credits. Autumn, Winter, Spring. Prerequisites, 9, 10, 11.
116. ART AIDS TO TEACHING.
Two credits. Winter quarter.
The use of puppets, cartoons, and feltograms as an aid to teachers or for individual expression. The course is designed to fit individual needs.
117. CERAMIC SCULPTURE.
Two credits. Autumn quarter.
Figure modelling in clay, using basic forms; casting.
- 118, 119. HISTORY OF ART.
Two credits. Winter and Spring quarters.
The historical development of art from primitive man to the Renaissance; from the Renaissance to the present day, with emphasis on religious paintings.

NOT OFFERED IN 1947-1948

- 102, 103. ADVANCED DESIGN.
Two credits.
Designing and constructing in leather and plastics.
114. POSTER DESIGN.
Two credits. Prerequisite, 1 or 13.
115. CERAMICS.
Two credits.
Designing and constructing simple vase forms; coil method and casting.
128. ARTS AND CRAFTS.
Two credits.
Design and construction in paper, tin, leather, plastics, etc. A course for teachers or hobbyists.

AVIATION

11. **BASIC GROUND TRAINING.**
Two credits. Offered each quarter. No prerequisite.
A minimum of 30 hours of basic ground training covering Civil Air Regulations, Aerial Navigation, and Aircraft.
12. **BASIC GROUND TRAINING.**
Two credits. Offered each quarter. Must be taken with or preceded by Course 11.
Minimum of 30 hours of basic ground training covering Meteorology, Radio, and Engines.
21. **FLIGHT TRAINING.**
One credit. Offered each quarter. Must be taken with or preceded by Course 11.
Nine lessons in flight instruction, including at least 5 hours of dual flying.
22. **FLIGHT TRAINING.**
One credit. Offered each quarter. Prerequisite, Course 21. Must be taken with or preceded by Course 12.
Eleven lessons in flight instruction, including at least 4 hours of dual and 2 hours of solo flying.
23. **FLIGHT TRAINING.**
One credit. Offered each quarter. Prerequisite, Course 22.
Six lessons in flight instruction, including at least 3 hours of dual and 3 hours of solo flying.
24. **FLIGHT TRAINING.**
One Credit. Offered each quarter. Prerequisite, Course 23.
Eight lessons in flight instruction, including at least 2 hours of dual and 4 hours of solo flying.
25. **FLIGHT TRAINING.**
One credit. Offered each quarter. Prerequisite, Course 24.
Four lessons in flight instruction, including at least 2 hours of dual and 4 hours of solo flying.
26. **FLIGHT TRAINING.**
One credit. Offered each quarter. Prerequisite, Course 25.
Six lessons in flight instruction, including at least 2 hours of dual and 4 hours of solo flying.
27. **FLIGHT TRAINING.**
One credit. Offered as required. Prerequisite, Course 26 or its equivalent.
From 2 to 5 dual and 2 to 5 solo hours of flight instruction as needed to qualify for C.A.A. examination.

Bacteriology and Public Health

Associate Professor, CHARLES F. SHOCKEY

Requirements for Major. A total of 36 hours in the department; 10 hours of Botany or Zoology, and 20 hours of Chemistry.

- 100, 101. **FUNDAMENTALS OF BACTERIOLOGY.**
Five credits per quarter. Autumn and Winter quarters. Prerequisite, at least five hours in Botany or Zoology, and ten hours of Chemistry. Technique in the cultivation, isolation, and identification of bacteria; morphology, physiology and disinfection; bacteria in relation to disease, and other phases of everyday life.
103. **SANITARY AND CLINICAL BACTERIOLOGY.**
Five credits. Spring quarter. Prerequisite, Course 100.
The principles of sanitary science as applied to milk and other foods, water, sewage problems. Certain clinical methods are also included.
115. **PUBLIC HEALTH PROBLEMS.**
Five credits. Autumn quarter.
A study of the fundamental problems of the public health organizations. A non-laboratory course.
- 116, 117. **PUBLIC HEALTH ORGANIZATION & ADMINISTRATION.**
Three credits per quarter. Winter and Spring quarters. Prerequisite, Course 115.
A study of the procedures and problems involved in organizing and administering a public health program. A non-laboratory course.

140. **IMMUNOLOGY.**
Five credits. Autumn quarter. Prerequisite, Course 100.
Theories of immunity. A non-laboratory course.
145. **COMMUNICABLE DISEASE.**
Three credits Winter quarter. Prerequisite, Course 100 or permission of instructor.
A study of communicable diseases, their transmission and control. A non-laboratory course.
155. **PARASITOLOGY.**
Five credits. Offered according to demand.
(For description of course, see Zoology 155.)
163. **FOOD BACTERIOLOGY.**
Five credits. Spring quarter. Prerequisite, Course 100.
The relationship of bacteria to foods.
164. **FOOD PROCESSING.**
Three credits. Winter quarter. Prerequisite, permission of staff.
Methods of preserving various foods and the microbiological relationships involved. A non-laboratory course.
- 181, 182. **APPLIED BACTERIOLOGY.**
Five credits each quarter. By arrangement. Prerequisite, Course 100 and permission of the staff.
Practical experience in media room, public health, hospital, or industrial laboratories.
195. **READING AND CONFERENCE.**
One-Five Credits. Prerequisite, permission of the staff.

Bible

For courses in this field see Department of Religion.

Botany

Assistant Professor, EVA A. SHERWOOD

1. **GENERAL BOTANY.**
Five credits. Spring quarter.
A study of typical structures, functions, and life histories of representative plant groups.

Business Administration

For courses in this field see Department of Economics and Business.

Department of Chemistry

Associate Professor, BURTON D. DIETZMAN

The scope of Chemistry has continually expanded for the past century. Life as we know it today is largely the product of applied Chemistry. The chemical industry has grown until it includes an ever widening variety of personnel. In addition to the research and control chemist, most chemical companies also employ salesmen, engineers, stenographers and patent attorneys. Continued progress in medical sciences will be based to a large extent on a thorough knowledge of Chemistry.

A liberal arts college is well equipped to serve students needing Chemistry as a basis for continued training leading to the professions of medicine, engineering or other fields, the student wishing to secure a basis for continued study in the sciences and for the student desiring a broad background in the liberal arts.

Requirements for Major: A major in Chemistry requires a total of forty-five quarter hours, including courses 1, 2, 21, 153, 154, 163, 164, 171, and 172 or their equivalent. In addition majors are expected to complete their language requirement in French or German, Mathematics through plain analytical Geometry and Physics 1, 2, and 3. Students expecting to continue graduate study in Chemistry should complete mathematics through the calculus.

1, 2. GENERAL INORGANIC CHEMISTRY.

Five credits per quarter. Course 1, Autumn quarter; Course 2, Winter quarter. Three lectures and two laboratory periods per week. (High school mathematics is desirable.)

Chem. 1 is a consideration of the basic concepts of the structure of matter including theories and laws that have general application to the field of Chemistry.

Chem. 2 shows the application of chemical discoveries to practical uses. The properties of the more common elements and compounds are also considered.

21. QUALITATIVE ANALYSIS.

Five credits. Spring quarter. Prerequisite, Course 2.

Elementary qualitative analysis of the cation and anions. A systematic study of the properties and identification of the cations. Several of the more common anions will also be included. Two lecture periods, two laboratory periods and one conference hour per week.

121. ADVANCED QUALITATIVE ANALYSIS.

Five credits. Autumn quarter. Prerequisite, Course 21.

Three lectures and two laboratory periods per week. A review of the identification of the cations, but a detailed study of the anions and of the laws and theory involved in the qualitative procedures.

131. INORGANIC PREPARATIONS.

Two of five credits. Offered as required. Prerequisite, Course 121.

The formation and purification of inorganic compounds. Laboratory and conferences. The amount of credit will be determined at the opening of the quarter in conference with the instructor.

153. QUANTITATIVE ANALYSIS.

Five credits. Autumn Quarter. Prerequisite, Course 21.

This course is included in the recommended pre-medical course. Theory and analytical methods are stressed in this course. Laboratory work will include the use of analytical balances and volumetric methods. Two lectures and eight hours of laboratory work, including one conference period, per week.

154. ADVANCED QUANTITATIVE ANALYSIS.

Five credits. Winter quarter, as required. Prerequisite, Course 153 (may be taken prior to course 153 by special permission).

A course featuring gravimetric methods along with electrolytic deposition and electric methods in present day use. Lecture work covers theory and chemical calculations. Two lectures and eight hours of laboratory work, including one conference period, per week.

163. ORGANIC CHEMISTRY.

Five credits. Winter quarter. Prerequisite, Course 2.

Three lectures and two laboratory periods per week. A study of the principles and theory of Organic Chemistry, especially of the Aliphatic Compounds. In the laboratory the student will prepare a number of compounds representative of the various Aliphatic groups.

164. ORGANIC CHEMISTRY.

Five credits. Spring quarter. Prerequisite, Course 163.

Lectures and laboratory as in Course 163. In this course attention will be given to the Aromatic Compounds, both in lectures and laboratory.

165. ORGANIC PREPARATIONS.

Two credits by arrangement. Offered as required. Prerequisite, Course 164.

171, 172. PHYSICAL CHEMISTRY.

Five credits per quarter. Winter and Spring quarters. Prerequisites, Chem. 153, Physics 3 and Math. 5.

Lectures and laboratory experiments illustrative of the theories and laws of chemical phenomena, and their application to definite problems. Three lectures and two laboratory periods per week.

Economics and Business

Associate Professor, CLIFFORD E. ROLOFF

Instructor, TALMAGE F. ELWELL

Requirements for Major: A major in Economics and Business consists of a minimum of forty credits, twenty of which must be in upper division subjects. The major must include courses in the principles and problems of economics, accounting, statistical methods, business organization and management, and business law.

1. PRINCIPLES OF ECONOMICS.

Five credits. Autumn quarter.

A basic course recommended for all who pursue the upper division courses in the department. A general study of the fundamental concepts of our economic life, including wealth, value, price, rent, interest, wages, and profits.

2. ECONOMIC PROBLEMS.

Five credits. Winter quarter.

A survey of the economic problems of our day, including money, banking, business organization and control, labor problems and legislation, the distribution of wealth, insurance, foreign trade, taxation, etc.

15. MATHEMATICS OF BUSINESS.

Five credits. Winter quarter.

(For description see Mathematics 15.)

61, 62. PRINCIPLES OF ACCOUNTING.

Five credits each quarter. Winter and Spring quarters.

A study of the fundamentals of accounting, including the analysis of the objectives of financial and operating statements. This is followed by a study of some of the more specialized problems in general theory and practice. This course is invaluable to any who contemplate work in the accounting field or the keeping of financial records.

74. BEGINNING TYPEWRITING.

Two credits. Autumn quarter.

A preliminary course in the principles and practices of touch typewriting for students who have had no formal typewriting course heretofore. Students are required to practice at least three periods per week.

75. ADVANCED TYPEWRITING.

Two credits. Winter quarter.

For those who have had a beginning course in typewriting here or elsewhere. Emphasis on neat and accurate letter writing and tabulation. Students are required to practice at least three periods per week.

76. ADVANCED TYPEWRITING.

Two credits. Spring quarter.

A continuation of Course 75. Emphasis on building speed and accuracy in typing.

77. BEGINNING SHORTHAND.

Three credits. Autumn quarter.

An introductory course for students looking toward a secretarial career and others wishing to become proficient in the art of rapid note-taking.

78. INTERMEDIATE SHORTHAND.

Three credits. Winter quarter.

A continuation of course 77.

79. ADVANCED SHORTHAND.

Two credits. Spring quarter.

For students desiring to develop rapidity in taking shorthand notes and transcribing on the typewriter.

87. BUSINESS ENGLISH AND CORRESPONDENCE.

Three credits. Spring quarter.

A practical course in fundamentals of grammar, punctuation, spelling, and effective expression, particularly as applied to business letter writing.

91. OFFICE PROCEDURE.

Three credits. Autumn quarter.

To acquaint the student with the procedure, practices, and equipment of the business office.

103. STATISTICAL METHODS.
Five credits. Autumn quarter.
(For description see Psychology 103.)
112. BUSINESS ORGANIZATION AND MANAGEMENT.
Three credits. Winter quarter.
A study of the types of business organizations, the functions of the various departments and principles of management essential to any enterprise.
122. ECONOMIC HISTORY OF EUROPE.
Five credits. Autumn quarter.
The economic basis of the social and political history of Europe to provide a better understanding of world problems.
142. WORLD ECONOMIC SYSTEMS.
Five credits. Spring quarter.
A study of the economic and commercial systems of nations, including the background, development, and operation of communism, fascism, and the economic trends in the democracies.
153. MONEY AND BANKING.
Three credits. Autumn quarter.
Monetary theories and banking principles with special reference to contemporary developments in the field of money and banking in the United States.
185. ADVANCED ECONOMIC THEORY.
Five credits. Spring quarter. Prerequisite, Courses 1 and 2.
A critical study of the neo-classical theories of value and distribution as applied to present day conditions. Also an analysis of the price system under competition and monopoly.

NOT OFFERED IN 1947-1948

11. ECONOMICS OF THE PRESENT SOCIAL ORDER.
Five credits.
An introductory course in the field of economics with particular emphasis upon present day problems and trends.
25. (125) REAL ESTATE.
Three credits.
A practical course surveying the various kinds of deeds and conveyances, mortgages, liens, leases, rentals, appraisals, and other transactions in the field of real estate.
55. (155) BUSINESS LAW.
Five credits.
The fundamentals of law bearing upon commercial transactions of business and everyday life.
85. PRINCIPLES OF INSURANCE.
Three credits.
A practical course in the various kinds of insurance coverages and their uses. Designed particularly for those who plan to enter the insurance profession as underwriters and salesmen.
123. ECONOMIC HISTORY OF THE UNITED STATES.
Five credits.
The economic factors influencing the social development and the political history of the United States and its phenomenal industrial growth.

Education

Professor, PAUL W. WRIGHT
Professor, PHILIP F. ASHTON
Assistant Professor, VIVIAN LARSON

For certification requirements and other information regarding the School of Education, see pages 43-49.

The offerings in this department are designed primarily to meet the need for professional courses in the various curricula for the education of teachers. As indicated on page 46, special approval must be granted before taking an Education Major. In such approved cases, 45 credits, with 30 of these upper division, are required, together with completion of the four-year education curriculum (or an approved equivalent leading to regular certification in some state other than Washington).

3. HISTORY AND PRINCIPLES OF EDUCATION.
Three credits. Winter quarter.
A discussion of the history and principles of education in the early organization of the school, the great social and cultural movements that have come down to the present, the men who have given definite impulse to educational movements, and the historic development of the curriculum.
30. STATE MANUAL.
No credits. Autumn, Winter, Spring quarters.
Required of all applicants for Washington Teaching Certificates.
33. MATHEMATICS FOR TEACHERS.
Three credits. Winter quarter.
(For description, see Mathematics 33.)
- 35 (135). OPERATION OF AUDIO-VISUAL DEVICES.
One credit. Autumn and Spring quarters.
A laboratory course in the use of audio-visual equipment.
103. ESSENTIALS OF MENTAL MEASUREMENT (Statistics).
Five credits. Autumn quarter.
(For description, see Psychology 103.)
125. TEACHING TECHNIQUE FOR THE ELEMENTARY AND JUNIOR HIGH SCHOOL.
Five credits. Spring quarter.
A discussion of the principles of teaching emphasizing the laws of learning, conditions and procedures necessary for effective teaching. Open to last quarter sophomores.
152. EDUCATIONAL PSYCHOLOGY (Psychology of Learning).
Five credits. Winter quarter.
(For description, see Psychology 152.)
164. METHODS OF INSTRUCTION IN THE ELEMENTARY AND JUNIOR HIGH SCHOOL CURRICULUM.
Five credits. Autumn quarter.
Emphasis upon the objectives, methods, and activities of the various fields in the elementary curriculum. Includes directed observation in the Seattle Public Schools.
170. TESTS AND MEASUREMENTS.
Five credits. Winter quarter.
Critical study of tests of intelligence and achievement, and methods of measuring personality and character traits. Training in the organization of test data will be given.
176. TEACHING AND ITS TECHNIQUE.
Sixteen credits. Autumn, Winter and Spring quarters. Prerequisite, Courses 125, 164 and 170.
A course in which the student does the actual teaching in selected public schools of King County under trained supervisors. Problems of method, management, and testing of achievement are discussed in connection with the work in teaching. This teaching must be done in its entirety during a single quarter. This means the student will be expected to set aside the entire day throughout the quarter for teaching. This course should normally be taken during the second or third quarters of the junior year or the first quarter of the senior year. *Assignment of quarter will be made by the School of Education. Register for Education 30 also.*
186. TEACHING AND ITS TECHNIQUE (Advanced Course).
Five credits. Autumn, Winter and Spring quarters. Prerequisite, Courses 125, 164, 170, and teaching experience.
The work will cover the major field selected by the student.

NOT OFFERED IN 1947-1948

2. SURVEY OF AMERICAN EDUCATION.
Three credits.
A survey of the American educational system.
101. INTRODUCTION TO SECONDARY EDUCATION.
Three credits.
A discussion of the present-day high school, including such topics as its history and background, curriculum making, elimination, individual differences, characteristics and objectives, recent tendencies, etc.

104. MENTAL MEASUREMENTS.

Two and one-half credits.

Designed to give the student training in the evaluation and application of intelligence tests. Special attention given to the Revised Stanford-Binet individual test. Especially valuable to teachers who are interested in individual and group testing. Each student expected to furnish and test with the Stanford-Binet at least five subjects of various ages.

120. CORRECTIVE SPEECH FOR ELEMENTARY TEACHERS.

Two and one-half credits.

Designed to help detect and correct functional speech defects.

130. METHODS AND MANAGEMENT OF INSTRUCTION IN THE SECONDARY FIELD.

Five credits. Prerequisite, Course 101.

A practical course in the methods and management of secondary instruction. The various types of teaching are presented in lectures, discussions, class demonstrations, and observation of work in high schools.

131M. THE EDUCATIONAL MOTION PICTURE.

Two and one-half credits.

Actual laboratory work with projection equipment, including projecting, viewing a large number of and pedagogical techniques involved in educational sound films. Sources, scheduling, costs, organization and administration of the program. For teachers and administrators.

136. THE LANGUAGE ARTS.

Two and one-half credits.

A thorough survey of the language arts area in the light of current trends, including philosophy, curriculum, and method.

161. CHILD GROWTH AND DEVELOPMENT (CHILD PSYCHOLOGY).

Five credits.

(For description, see Psychology 161.)

180. SPECIAL METHODS.

Two credits. Prerequisites, Courses 101 and 130.

Techniques in the teaching of specific high school subjects.

Engineering, General

Instructor, WILLARD F. TREPUS

General Engineering or pre-engineering is a prerequisite course of study for any major subject in the Engineering field. To meet the need in this field a course in General Engineering is offered, meeting the requirements for the first year pre-engineering. Students must have had high school physics and advanced algebra before taking Engineering Problems. As supporting subjects it is recommended that Math. 3, 4, and 5, General Physics, General Chemistry, English 1, 2, and 87 be taken.

1. ENGINEERING DRAWING (OROGRAPHIC).

Three credits. Autumn quarter. Six lab. periods a week.

Training in the use of drawing instruments, selection and care; freehand lettering and sketching. Orothographic, isometric, and auxiliary planes of projection.

2. ENGINEERING DRAWING (MECHANICAL).

Three credits. Winter quarter. Six lab. periods a week.

A course in machine drawing, sections and conventions. Forms of fasteners and screw threads and specifications. Practical application of drawing principles to working drawing. Assembly and detail drawings. Tracing and inking.

3. ENGINEERING DRAWING (DESCRIPTIVE GEOMETRY).

Three credits. Spring quarter. Six lab. periods a week.

Drawing board solution for problems of geometrical nature. A designated system for solving geometrical problems of the dimensions by means of a drawing based on the principles of orothographic projection.

4. ENGINEERING PROBLEMS (DYNAMICS)

Three credits. Autumn quarter. Orientation course. Six lab. periods a week.

Training in methods of work habits. Solution of engineering problems by analysis technique. A study of elementary problems dealing with the principles of dynamics. Prerequisite, high school physics and advanced algebra.

5. ENGINEERING PROBLEMS (STATICS).

Three credits. Winter quarter. Six lab. periods a week. Pre. Engr. 4.

Elementary problems in the principles of mechanics dealing with the properties and relations of forces in equilibrium.

6. ELEMENTARY SURVEYING.

Three credits. Spring quarter. Prerequisite, Mathematics 4.

Use and care of instruments. Practice in field methods of surveying and leveling. Systematic keeping and plating of field notes. Land surveys and land descriptions. Six lab. periods per week.

English

Professor, C. MAY MARSTON

Associate Professor, MAMIE MATSON

Requirements for Major: Students desiring to complete a major in English must take credits to total forty-five exclusive of English composition, one-half of which must be from upper division offerings. These must include English 101. Credits not to exceed five from the Speech department may be applied toward a major in English.

1, 2. ENGLISH COMPOSITION.

Five credits per quarter. Course 1, Autumn, Winter and Spring quarters; Course 2, Winter and Spring Quarters.

A varied and vital study of the principles of composition including an exhaustive study of the paragraph, the sentence, and the word. Special attention and time given to exposition, culminating in the scholarly research paper in the second quarter. Conferences open to all. Required of all Freshmen but does not count toward a major in English.

9, 10, 11. LITERARY BACKGROUNDS.

Three credits per quarter. Autumn, Winter and Spring quarters.

English literature from Beowulf to the nineteenth century—the aim of which is to cultivate an appreciation for the best in literature. Special attention paid to types and forms.

15, 16. SURVEY OF AMERICAN LITERATURE.

Three credits per quarter. Winter and Spring quarters.

A study of the representative works from Colonial times to the present. Special attention given to the influence of historical development on writings of successive periods.

101. HISTORY OF THE ENGLISH LANGUAGE.

Three credits. Spring quarter. Required of all English majors.

The relation of English to the Indo-European family, its special characteristics and significant borrowings. Open to Sophomores intending to major in English.

110. SHAKESPEARE: COMEDIES AND HISTORIES.

Five credits. Autumn quarter.

The early days to 1600, together with their historical and classical backgrounds.

118. SEVENTEENTH CENTURY LITERATURE.

Two credits. Autumn quarter.

A comprehensive study of the political, social and literary trends of the century studied with special emphasis on Milton's "Paradise Lost."

119. EIGHTEENTH CENTURY LITERATURE.

Five credits. Winter quarter.

The writers of the age of form. The course includes the late seventeenth century classicists beginning with Dryden.

120, 121. NINETEENTH CENTURY POETRY.

Three credits per quarter. Winter and Spring quarters.

A study made of the great poets from Wordsworth to Kipling.

171. LITERATURE FOR TEACHERS.

Two credits. Spring quarter.

A professionalized course designed to assist teachers in selecting and teaching literature appropriate for the various grades.

NOT OFFERED IN 1947-1948

- 4a. ENGLISH COMPOSITION FOR NURSES.
Six credits.
A study of the principles of composition. Required of all taking the nurse's course. Special attention given to organization and presentation of material in scientific fields.
17. SURVEY OF THE ROMANTIC PERIOD OF THE NINETEENTH CENTURY.
Three credits.
A study of the historical novel, literary criticism, and romantic poetry of the so-called "second creative" period of literature.
18. SURVEY OF THE VICTORIAN PERIOD OF THE NINETEENTH CENTURY.
Three credits.
A study of the poets, novelists, and essayists of the Victorian age.
25. THE SHORT STORY.
Two and one-half credits.
Reading and appreciation of many of the best stories, including those of the present.
30. SURVEY OF MODERN LITERATURE.
Three credits.
A course organized to acquaint the student with contemporary writers of the different nationalities in the various fields of literature.
105. PRE-SHAKESPEAREAN DRAMA.
Three credits.
A study of the development of the drama beginning with the liturgical plays, followed by reading from Miracle and Morality plays. Senecan influence in later drama also considered, leading to the works of Shakespearean contemporaries.
111. SHAKESPEARE: TRAGEDIES.
Five credits.
The later plays, with attention given to the Elizabethan conception of the structure and purpose of tragedy.
130. THE ENGLISH NOVEL.
Five credits.
The history and development of the English novel. The best works of outstanding fiction writers from Scott to Galsworthy.
135. CONTEMPORARY ENGLISH AND AMERICAN POETRY.
Three credits.
Special attention given to the analysis of representative poems from leading contemporary poets of England and America.
136. CONTEMPORARY DRAMA.
Two and one-half credits.
Thought given to the analysis of selected plays from the modern dramatists of Europe and America.
150. RECENT ENGLISH LITERATURE.
Five credits.
Attention given to readings from contemporary European writers in novel and other current literature.

French

Professor, GOLDA B. KENDRICK

Students entering with high school credits in French may enter any course for which they have the prerequisites. For reasons of interruption in a language, some adjustment may be made. Those presenting no credit in French from the high school begin with French 1.

Requirements for Major: Thirty credits of upper division French.

- 1-2, 3. ELEMENTARY FRENCH.
Five credits per quarter. Autumn, Winter and Spring quarters. No credit will be given for French 1 until 2 is completed.
Grammar, composition, essay, reading and pronunciation.

- 4, 5, 6. READING OF MODERN TEXTS.
Three credits per quarter. Autumn, Winter and Spring quarters. Prerequisite to French 4 is 3, or equivalent.
French 4, 5, and 6 may be combined with 7, 8, and 9 to form five-hour courses or may be taken separately.
- 7, 8, 9. GRAMMAR AND COMPOSITION.
Two credits per quarter. Autumn, Winter and Spring quarters. Prerequisite of French 7 is 3, or equivalent.
- 23 (123). PHONETICS.
Two credits per quarter. Fall quarter. Prerequisite, course 3 or equivalent. May be taken by upper or lower division students.
- 101, 102, 103. CONVERSATIONAL AND WRITTEN FRENCH.
Three credits per quarter. Autumn, Winter and Spring quarters. Prerequisite, Course 9 (or equivalent) or three or more years of high school French. Emphasis on fluency in speaking and writing French.
121. FRENCH DRAMA.
Two credits. Winter quarter. Prerequisite, Course 6 or 9 or equivalent.
122. LYRIC POETRY.
Two credits. Spring quarter. Prerequisite, Course 6 or 9 or equivalent.
- 134, 135, 136. STUDIES IN FRENCH CULTURE.
One to three credits. Autumn, Winter and Spring quarters. Offered according to demand.
Individual research projects under the supervision of the department.

Geography

NOT OFFERED IN 1947-1948

7. REGIONAL GEOGRAPHY.
Five credits.
A study of environmental factors which influence human life and activity, and the distribution of population. Some attention will be given to the development of industries. Climate, natural resources, availability of power, and agricultural development in their influence on the distribution of population.
106. GEOGRAPHY FOR TEACHERS.
Five credits.
The basis of this course is laid in a study of physiography, especially the sectional physiography of the United States. The course is designed to be as helpful as possible to those who are teaching geography in the elementary schools. Lectures and laboratory, and if practicable field trips.

German

Professor, C. MAY MARSTON

- 1-2. ELEMENTARY GERMAN.
Five credits per quarter. Autumn and Winter quarters.
From the very beginning the student is encouraged to understand the language from the German, thus not stressing the translation method. Time given also to grammar and conversation.
If desirable, German 1 is given also in the Spring quarter.
3. ELEMENTARY GERMAN.
Five credits. Spring quarter. Prerequisite German 1 and 2.
Continuation of German 2 with easy collateral.
- 4, 5, 6. INTERMEDIATE GERMAN.
Three credits per quarter. Autumn, Winter and Spring quarters. Prerequisite German 3 or two years of High School.
7. SCIENTIFIC GERMAN.
Two credits. Offered according to demand in Autumn or Winter quarters.
A course designed to satisfy the requirements in pre-medics.

Greek

Professor, WINIFRED E. WETER

Requirements for Major: Forty-five credits. A student who has not had at least two years of Latin in high school must take Latin 1-2, 3 in college. History 32 is recommended.

- 1-2, 3. **ELEMENTARY GREEK.**
Five credits per quarter. Autumn, Winter and Spring quarters. No credit will be given for Greek 1 until Greek 2 is completed.
 Grammar and composition, with reading from Xenophon, *Anabasis*, in the spring quarter.
104. **COMPOSITION AND SYNTAX.**
Three credits. Autumn quarter. Prerequisite, Greek 3.
 Thorough review of grammar and practice in writing Greek prose.
- 105, 106. **READINGS IN CLASSICAL AUTHORS.**
Three credits per quarter. Winter and Spring quarters. Prerequisite, Greek 3.
 Homer, *Iliad*; and Plato, *The Apology*.
- 107, 108, 109. **NEW TESTAMENT GREEK.**
Two credits per quarter. Autumn, Winter and Spring quarters. Prerequisite, Greek 3.
 One gospel, Acts. Introduction to textual problems and exegesis.

NOT OFFERED IN 1947-1948

- 120, 121, 122. **ADVANCED NEW TESTAMENT GREEK.**
Two credits per quarter. Prerequisite, Greek 109 or the equivalent.
 Reading and exegesis of material selected to meet the interests of the student.
- 125, 126. **GREEK ORATORY.**
Three credits per quarter.
 Demosthenes, *On the Crown*, and selections from other Attic Orators.
127. **LYRIC POETRY.**
Two credits.
 Selections from the *Anthologica Lyrica Graeca*.
- 134, 135, 136. **GREEK DRAMA.**
Three credits per quarter.
 Reading of one play each of Aeschylus, Sophocles and Euripides, with lectures and supplementary reading on the development and presentation of Greek Drama.

Health Education

Professor, WINIFRED E. WETER

Associate Professor, CHARLES F. SHOCKEY

Assistant Professor, EVA A. SHERWOOD

Part-time Instructor, HUGH C. MINER

- 1, 2, 3. **PHYSICAL EDUCATION ACTIVITIES FOR FRESHMEN.**
One credit per quarter. Autumn, Winter and Spring quarters. Required of all freshmen.
 (For description, see Physical Education 1, 2, 3.)
- 4, 5, 6. **PHYSICAL EDUCATION ACTIVITIES FOR SOPHOMORES.**
One credit per quarter. Autumn, Winter and Spring quarters. Required of all sophomores.
 (For description, see Physical Education 4, 5, 6.)
61. **HYGIENE.**
Three credits Autumn and Spring quarters.
 (For description see Zoology 61.)
- 62, 63. **NUTRITION.**
Three credits each. Autumn and Spring quarters.
 (For description, see Home Economics 62 and 63.)
115. **PUBLIC HEALTH PROBLEMS.**
Five credits. Autumn quarter.
 (For description, see Bacteriology 115.)

History

Professor, MABEL R. SHIPLEY

Associate Professor, CLIFFORD E. ROLOFF

Requirements for Major: Students planning to major in history are required to complete Courses 1 and 2. In addition a candidate must elect thirty-five credits, twenty-four of which must be in upper division courses distributed so as to include credits in American history and credits in European history. A maximum of three hours' credit in Far Eastern History may be applied to the major. The history department also desires that the student complete certain courses in collateral fields. Sociology 1, Economics 1, Political Science 10, and Philosophy 1 are recommended. Students who are planning to do graduate work in history should acquire a mastery of French or German, or both.

1. **MEDIEVAL EUROPE.**
Five credits. Autumn quarter.
 The political and cultural development of Western Europe from the decline of Rome to the close of the fifteenth century.
2. **MODERN EUROPE.**
Five credits. Winter quarter.
 A continuation of Course 1 from the Protestant Reformation to the present.
12. **HISTORY OF ENGLAND.**
Five credits. Autumn quarter.
 A study of the development of medieval and modern England from Roman times to the present.
21. **UNITED STATES.**
Five credits. Spring quarter.
 A continuation of Course 20 beginning with the Reconstruction Period and centering attention on the economic revolution, national expansion, and the United States during and since the First World War.
122. **ECONOMIC HISTORY OF EUROPE.**
Five credits. Autumn quarter.
 (For description, see Economics and Business 122.)
125. **RECENT UNITED STATES HISTORY.**
Three credits. Spring quarter.
 A study of the political and economic history of the United States together with social and cultural developments from the first World War to the present.
127. **HISTORY OF THE PACIFIC NORTHWEST.**
Three credits. Winter quarter.
 Study of the Pacific Northwest with emphasis upon political and economic growth of the State of Washington.
165. **EUROPE 1870-1914.**
Five credits. Winter quarter. Prerequisite, Course 2.
 A study of the important period between the Franco-Prussian War and the First World War including an analysis of fundamental causes of the latter.
168. **EUROPE IN THE TWENTIETH CENTURY.**
Five credits. Spring quarter. Prerequisite, Course 2.
 A study of Europe since the First World War with emphasis upon the treaty of Versailles, the League, the rise of dictatorships and subsequent threats to world peace, culminating in the Second World War.
- NOT OFFERED IN 1947-1948
20. **UNITED STATES.**
Five credits.
 A survey of the social, economic, political, and cultural development of the United States from Colonial times until 1865.
32. **ANCIENT HISTORY.**
Five credits.
 A survey of the ancient world including a study of the Greek city state, the empire of Alexander the Great, and the Roman empire to its decline in the fifth century.
123. **ECONOMIC HISTORY OF THE UNITED STATES.**
Three credits.
 (For description, see Economics and Business 123.)

124. UNITED STATES 1900-1920.
Three credits.
A study of one of the most interesting periods of U. S. history covering the years from the turn of the century to the close of World War I.
- 155b. HISTORY OF THE FAR EAST.
Two and one-half credits.
A survey of Japan, China, and Russia with emphasis upon the twentieth century and contemporary trends.
162. RENAISSANCE AND REFORMATION.
Five credits.
Study of the Italian Renaissance and its influence upon Europe; the birth and subsequent development of the Protestant movement throughout Europe.
163. FRENCH REVOLUTION.
Five credits. Prerequisite, Course 2.
A study of France beginning with 1763 and following through the revolutionary period to the close of the Napoleonic Wars in 1815.
175. DEVELOPMENT OF BRITISH EMPIRE.
Five credits.
A study of the growth of the British Empire from the loss of the American Colonies to the present.

Home Economics

Instructor, DOROTHY BOYD KREIDER

Instructor, LORRAINE JOHNSON

Courses in the department of Home Economics are designed for three types of students: (1) Those who desire general courses in home economics as a part of a liberal education; (2) those who desire to major in foods and nutrition; (3) those who wish a major in the field of clothing.

The minimum requirements for the first two years are those established in the college of Arts and Science. In addition a candidate desiring a degree must earn forty-five credits from the department, twenty-five of which are numbered above 100.

For a Bachelor of Science degree the following courses must be taken: 18, 62, 63, 116, 132, 136, 138, and 162. The following courses also must be completed: Art 1, Physics 15, Sociology 104, with ten credits earned in Inorganic Chemistry and at least five credits earned in Organic Chemistry.

For a Bachelor of Arts degree in Clothing, these courses must be completed: 12, 18, 114, 115, 122, 136, 138, and 152. In addition twenty credits of art are required. These should be divided thus: Six credits each of design, drawing and craft and two credits of art appreciation or history.

1. PRINCIPLES OF DESIGN.
Three credits. Autumn quarter.
A lecture course general enough to be of value if just one course is taken, but basically organized as a foundation for work in costume design, home furnishing and clothing selection.
3. INTRODUCTION TO HOME ECONOMICS.
Two credits. Autumn quarter.
Function, history, present status in technological and relational aspects, place in curriculum, professional opportunities.
8. COSTUME DESIGN AND CONSTRUCTION.
Five credits. Autumn quarter.
Introductory course to clothing construction course to follow yet a general enough presentation for those wishing only the one course.
12. TEXTILES.
Three Credits Autumn quarter.
The product and their uses, economic and esthetic values. Relation of raw materials, construction and finish to quality and cost of fabrics.
- 16, 17. FOOD PREPARATION.
Five credits per quarter. Autumn and Winter quarters.
A study combining theory and fact with practical problems. Selection and preservation of food are presented as phases of food preparation.

18. ADVANCED FOOD PREPARATION.
Five credits. Spring quarter. Prerequisite H. Ec. 16 and 17.
Application of fundamental principles and new methods and practices in food preparation through meal service. Preparing and serving combinations.
21. CLOTHING SELECTION.
Two credits. Autumn quarter.
Choice of clothing, emphasizing appropriateness to personality and occasion as well as judgment of quality and cost.
62. NUTRITION.
Three credits. Autumn and Spring quarters. Prerequisite H. Ec. 16 and 17 for Home Economics majors.
A lecture course. Fundamental principles of human nutrition. Arranged primarily for student nurses, those interested in physical education, pre-medical students and teachers. Required of student nurses.
63. NUTRITION.
Three credits. Autumn and Spring quarters.
A laboratory course in food preparation to accompany Course 62. Required of student nurses.
- 114, 115. COSTUME DESIGN AND CONSTRUCTION.
Five credits. Autumn and Winter quarters. Prerequisite H. Ec. 8.
Pattern designing for wool dresses. Problem in handling silk materials.
116. EXPERIMENTAL COOKERY.
Five credits. Spring quarter. Prerequisite H. Ec. 18, Chem.
Study of fundamental principles of the field of cookery through reading and laboratory experimentation.
118. DIET THERAPY.
Five credits. Winter quarter. Prerequisite H. Ec. 62, 63.
An advanced course in dietetics dealing with utilization of nutritional data. Required of student nurses.
122. COSTUME DESIGN AND CONSTRUCTION.
Five credits. Spring quarter. Prerequisite H. Ec. 114, 115.
Basic principles of suit and coat construction. Study of comparative costs of ready-to-wear clothing.
124. NEEDLECRAFT.
Two credits. Winter quarter. Prerequisite Art 1.
Interpretation of the needle arts of various nationalities. Application of authentic and original designs. Study of historic laces and embroideries.
132. THE HOUSE, EQUIPMENT, MANAGEMENT.
Three credits. Spring quarter. Prerequisite Physics 15.
Housing needs and standards. Construction. Fixtures. Saving of time and energy.
136. HOME FURNISHINGS.
Five credits. Winter quarter. Prerequisite Art 1.
The study of the economic and esthetic values of furniture, pictures, rugs, tapestry, china, glass and silver.
138. INCOME MANAGEMENT.
Three credits. Spring quarter.
Personal and family expenditures. Study of real income, saving and investment programs.
148. CONSUMER PROBLEMS.
Three credits. Winter quarter.
The study of supply and demand, labeling, retail stores, installment buying, consumer credit, marketing policies, costs and trends.
152. HISTORY OF COSTUME.
Three credits. Spring quarter. Prerequisite H. Ec. 114.
A study of historic costumes. A basic course for those interested in dress designing.
162. CHILD NUTRITION AND CARE.
Five credits. Winter quarter. Prerequisite H. Ec. 62, 63.
The factors which aid in promoting the growth and development of the child. Daily schedule, food and clothing requirements, desirable habit formation, and mental, emotional and social development.

Industrial Arts

Instructor, WILLARD F. TREPUS

It is evidenced in the past several years the trend toward practical training in Industrial and Vocational subjects. It is the purpose of the department to offer courses to meet the need of two definite fields; one in the field of education for the purpose of teaching Industrial Art subjects, and the other in the field of missions for the acquiring of skills in the use of hand tools and equipment of a mechanical nature.

Students pursuing a course in Industrial Arts are expected to take Drawing 1 and 2 (see General Engineering 1 and 2). Drawing 1 is a prerequisite to Ind. Arts 2. Drawing 10 is recommended as a supporting subject in the field. It is recommended that students pursuing a course in the field of missions take Drawing 1 and 10, the graphic language of construction or the builder.

1. FUNDAMENTALS OF HAND TOOL OPERATION.

Two credits. Autumn quarter

Use and care of hand tools; woodworking on assigned projects with reference to tool technique. Individual projects upon approval of the instructor. Designed chiefly for those who have had little or no experience with hand tools.

2. ELEMENTARY CABINET MAKING.

Two credits. Winter quarter. Prerequisite, Industrial Arts 1 and Drawing 1. Practice in machine woodworking; care and maintenance of power equipment; construction of small pieces of furniture involving the use of common assembling and fastening methods.

3. ART METAL WORK.

Two credits. Spring quarter.

The correlation of metal work and design in the construction of useful articles from copper, brass, silver, aluminum, and pewter; etching, saw piercing, annealing and hammering; moulding, soldering and antique finishes.

7. FUNDAMENTALS OF ARCHITECTURE.

Two credits. Autumn quarter.

History of shelter and developing of the American home; home sites; house plans and planning; materials of construction; types of construction; fixtures; interior finishing and decorating.

8. CARPENTRY.

Two credits. Winter quarter.

The fundamentals of house carpentry; use of steel square; practical problems in foundations, framing, interior and exterior finish, and estimating.

9. ADVANCED CABINET MAKING.

Two credits. Spring quarter. Prerequisite, Industrial Arts 2.

Continuation of Industrial Arts 2 with emphasis upon furniture design and construction; finishing methods. Individual projects according to the needs and ability of the student.

10. ARCHITECTURAL DRAWING.

Three credits. Autumn Quarter. Prerequisite, Engineering Drawing 1.

Freehand and pictorial drawing. Elements of Architecture and structural drawing dealing with residential and church design. Practice in tracing and blueprinting. Six lab. periods a week.

Japanese

Instructor, BOKKO TSUCHIYAMA

1-2, 3. ELEMENTARY JAPANESE.

Five credits per quarter.

This course includes a study of pronunciation, the essentials of grammar, the reading and writing of simple prose in Japanese characters. The emphasis is placed upon the mastering of forms, fundamentals of syntax, and basic vocabulary in preparation for further study of this language.

4, 5, 6. READING OF MODERN TEXTS.

Three credits per quarter. Prerequisite Japanese 3.

This course will include extensive readings from modern literatures and additional study of grammatical construction. Particular attention is given to the acquiring of a practical working vocabulary, knowledge of common idioms, and pronunciation.

21 (121), 22 (122), 23 (123). CONVERSATION AND COMPOSITION.

Two, Three or Five credits per quarter.

This course will be individual instruction in Japanese language with special attention to composition and conversation by oral practice. This course will include dictation, original themes, and lectures on Japanese life and customs with conversation based on the material given in the lectures. It is concluded by practice of preaching, story telling, prayer and Bible reading in Japanese language. (This course is open only to the students of the School of Missions and a class is limited to not more than six students.)

Latin

Professor, WINIFRED E. WETER

1-2, 3. ELEMENTARY LATIN.

Five credits per quarter. Autumn, Winter and Spring quarters. No credit for Course 1 until Course 2 is completed.

Grammar, composition and selections from Caesar, Gallic War. With emphasis on the relationship between Latin and English.

NOT OFFERED IN 1947-1948

4, 5, 6. CICERO AND VERGIL.

Three credits per quarter. Prerequisite, Course 3 or two years of High School Latin.

Selections from Cicero, Vergil, Aeneid, Books I-VI.

101, 102, 103. SURVEY OF LATIN LITERATURE.

Three credits per quarter. Prerequisite, Course 6 or the equivalent. Offered according to demand.

Reading of selections from Latin prose and poetry with discussion of the history of Latin Literature.

Marathi

NOT OFFERED IN 1947-1948

1. MARATHI.

Five credits.

Mathematics

Professor, B. L. BEEGLE

Requirements for a Major in Mathematics: Students majoring in Mathematics must earn at least forty-two quarter credits, twenty-three of which must be in courses numbered above 100. All students majoring in Mathematics will be required to complete Courses 3, 4, 5, 121, 122, and 123. Courses 1, 15, and 33 may not be applied toward the major.

As supporting subjects, it is recommended that General Physics and General Chemistry be taken by all students who choose Mathematics as their major subject.

Requirements for a Minor in Mathematics: Thirty quarter credits in Mathematics are required for a minor; at least 15 of these must be in courses numbered above 100.

1. ADVANCED ALGEBRA.

Five credits. Autumn quarter. Prerequisite, one year of algebra.

This course reviews some of the essentials of first year Algebra and following this, special emphasis is given to the discussion of topics which are basic to all further work in mathematics such as linear and quadratic equations, algebraic functions and their graphical representations, fractions, exponents, radicals, logarithms, imaginaries, and the binomial theorem.

3. COLLEGE ALGEBRA.

Five credits. Autumn quarter. Prerequisite, Course 1 or its equivalent.

College Algebra begins with a review of fundamentals of Advanced Algebra and following this, the students are given instruction and practical drill in the solutions of many problems in the study of linear and quadratic equations, functions and their graphs, exponents and radicals, ratio, proportion, and variation, progressions, arithmetic and geometric, the binomial theorem, theory of equations, permutations, combinations, probability, complex numbers, and determinants.

4. PLANE TRIGONOMETRY.

Five credits. Winter quarter. Prerequisite, one and one-half years of Algebra.
A study of the six trigonometric functions with applications to the solution of problems related to both right and oblique triangles, and investigating the methods of solution, together with proper methods of checking results. Many practical formulas are learned and their applications studied. Drill is given in the use of logarithms and logarithmic tables, and students are taught to construct trigonometric curves and to solve trigonometric equations. This course is absolutely basic to all further work in mathematics.

5. PLANE ANALYTIC GEOMETRY.

Five credits. Spring quarter. Prerequisite, Course 4.
Plane Analytic Geometry is a study of both the geometric and analytic or algebraic representation of plane curves. The equations of curves are found from the data which expresses the law of motion of a given moving point. Both cartesian and polar coordinates are studied. The topics discussed are often referred to as conics or conic sections and include the straight line, the circle, the parabola, the ellipse, and the hyperbola, plane loci, parametric equations, and practical applications.

15. MATHEMATICS OF BUSINESS.

Five credits. Winter quarter. Prerequisite, one year of high school algebra.
This course is open to students in Liberal Arts, Home Economics, Business Administration, and Education. It will be very helpful to students who desire some acquaintance with, and proficiency in the methods and skills of elementary college mathematics. Emphasis will be placed upon the practical applications of algebraic principles and logarithmic computations as they arise in the study of problems in percentage, simple interest and discount, compound interest and compound discount, annuities, sinking funds and amortizations, progressions, and the binomial theorem.

33. MATHEMATICS FOR TEACHERS.

Three credits. Winter quarter. Prerequisite, one year of Algebra.
An elementary course which gives to the prospective teacher a description and interpretation of the modern theories and technique of teaching arithmetic and algebra in the elementary and junior high schools. What to teach, and how to teach it, will be the subjects of study and discussion. This course or its equivalent is required of all students who receive an Elementary Certificate. Course 33 may not be applied toward the major.

121. DIFFERENTIAL CALCULUS.

Five credits. Autumn quarter. Prerequisite, Courses 3 and 5.
A study of the theory of limits, continuity, average and instantaneous rates of change of variables, the derivative with applications to the differentiation of algebraic, logarithmic, exponential and inverse trigonometric forms, maxima and minima with practical applications, and differentials.

122. DIFFERENTIAL AND INTEGRAL CALCULUS.

Five credits. Winter quarter. Prerequisite, Course 121.
This is a continuation of Course 121. The topics studied are curvature, radius and circle of curvature, the theorem of mean value and its applications, rules for integrating the standard elementary forms, the indefinite integral, the definite integral, and formal integration by various devices.

123. DIFFERENTIAL AND INTEGRAL CALCULUS.

Five credits. Spring quarter. Prerequisite, Course 122.
This is a continuation of Course 122, studying series, convergent and divergent, with emphasis upon methods of testing each, expansion of functions into series, partial differentiation with applications, methods of finding centroids, fluid pressure, reduction formulas, and multiple integrals.

131. THEORY OF EQUATIONS.

Five credits. Autumn quarter. Prerequisite, Courses 3 and 121.
A study of the fundamental properties of algebraic equations of higher order than the second, the methods of finding the algebraic solution of the general cubic and quartic equations, the N th roots of unity, DeMoivre's theorem, the problem of trisecting an angle, the inscribability of regular polygons in a circle, methods of isolating and finding the real roots of an equation of the N th degree, applications of the theorems of Sturm and Budan, Newton's and Horner's methods of approximation, symmetric functions, determinants, resultants, and eliminants.

132. DIFFERENTIAL EQUATIONS.

Five credits. Spring quarter. Prerequisite, Course 123.
A study of the fundamental principles and devices which will enable the students to integrate most of the equations which they will meet in the further study of pure mathematics or mathematical physics. This course covers the topics of "first order and first degree differential equations, general first order equations, singular solutions, linear differential equations with constant coefficients, Cauchy's linear equations, simultaneous linear equations, and an introduction to partial differential equations."

163. ADVANCED CALCULUS.

Five credits. Prerequisite, Course 132. On demand.
A study of advanced methods in differential and integral calculus. The course will consider partial differentiation, the definite integral, Gamma and Beta functions; line, surface, and space integrals; and applications to geometry.

NOT OFFERED IN 1947-48

2. SOLID GEOMETRY.

Five credits. Prerequisite, one year of plane geometry.

A study of the magnitudes of three dimensional space.

36. COLLEGE ALGEBRA.

Two and one-half credits.

Review of the fundamentals of Advanced Algebra. Instruction and practical drill in the solutions of many problems in the study of linear and quadratic equations, functions and their graphs, exponents and radicals, ratio, proportion, and variation, progressions, arithmetic and geometric, the binomial theorem, theory of equations, permutations, combinations, probability, complex numbers, and determinants. Prerequisite, Mathematics 1. Second term only.

117. ADVANCED TRIGONOMETRY.

Three credits. Prerequisite, Courses 3 and 4.

A study of topics which could not be covered in the first course in Trigonometry. Emphasis will be placed upon complex numbers, DeMoivre's and Euler's theorems, trigonometric series, the computation of logarithmic tables, hyperbolic functions, and spherical trigonometry.

118. SOLID ANALYTIC GEOMETRY AND DETERMINANTS.

Five credits. Prerequisite, Courses 3 and 5.

A study of the properties of determinants and matrices and their applications to the solution of systems of linear equations, homogeneous and non-homogeneous; the investigation of theorems and practical applications dealing with lines, planes, surfaces of revolution, quadric surfaces, invariants, coordinate systems, equations of translation and rotation, poles and polars, and general properties of curves and surfaces in a space of three dimensions.

Music

LAWRENCE R. SCHOENHALS, *Professor of Music*

GEORGE VAUSE, *Assistant Professor of Music*

TALMADE F. ELWELL, *Part-time Instructor in Organ*

JOHN HOPPER, *Part-time Instructor in Piano*

MABEL JONES MOYER, *Instructor in Piano*

MILDRED R. SCHOENHALS, *Part-time Instructor in Piano*

GEORGE BREDIGER, *Band, Brass Instruments*

See pages 26, 50-51 for requirements for a major, special fees, curricula offered and other information regarding the School of Music.

Courses in Theory and Literature

2. MUSIC FUNDAMENTALS FOR NON-MAJORS.

Two credits. Winter quarter.

An orientation course in music. Such topics as the elements of notation, terminology, and song leadership will be discussed.

4. MUSIC FUNDAMENTALS.

Four credits. Autumn quarter. Prerequisite, Course 2 or equivalent and 12A.
Class meets five periods weekly. In this course a foundation is laid for the later harmony courses. Emphasis upon scales, intervals, problems in rhythm, dictation, and sight singing.

- 5, 6. HARMONY I, II.
Four credits per quarter. Winter and Spring quarters. Prerequisite, Course 4 and ability of 33A or better.
 Five recitations each week. Diatonic harmony embracing scales, triads, seventh and ninth chords and simple modulation presented both from the theoretical and creative aspects, and combined with dictation, sight singing, keyboard harmony, and analysis.
77. MUSIC APPRECIATION.
Two credits. Autumn and Spring quarters.
 This course offers opportunity for much pleasurable listening to music. Provides a general survey of music, composers, and musical instruments through listening to masterpieces of orchestral literature.
78. MUSIC APPRECIATION.
Two credits. Spring quarter. Prerequisite, Course 77.
 Continuation of Music 77.
- 94, 95. HARMONY III, IV.
Four credits per quarter. Autumn and Winter quarters. Prerequisite, Course 6.
 Five recitations each week. Secondary harmonies, modulations, and altered chords. Advanced problems in dictation, sight singing, analysis and keyboard harmony.
128. HYMNOLOGY.
Two credits. Spring quarter.
 The hymn studied from the standpoint of its history, classification, criticism, and effective use in the worship service.
153. COUNTERPOINT.
Five credits. Spring quarter. Prerequisite, Course 94.
 Counterpoint in the various species in two and three parts.
165. ORCHESTRATION.
Three credits. Winter quarter. Prerequisite, Course 94.
 This course is designed to familiarize the student with the history, technical limitations, and use of the orchestral instruments. Practical experience in scoring for various combinations of instruments.
- 177, 178. MUSIC HISTORY AND LITERATURE.
Three credits per quarter. Autumn and Winter quarters. Prerequisite, Courses 6 and 77.
 A broad, comprehensive course in the study of human thought as it has pertained to music development extending from the primitive periods through the classical, romantic, and modern periods.
190. READINGS IN MUSIC HISTORY.
Two credits. Autumn, Winter and Spring quarters. Prerequisite, senior standing and permission of the instructor.
- NOT OFFERED IN 1947-48
46. SONG LEADERSHIP.
Two credits. Prerequisite, knowledge of notation.
 A practical course in the fundamentals of beating time beginning with the use of simple hymn tunes.
143. MUSIC IN WORSHIP.
Two credits.
 A practical course for the choir director, minister, and general church musician. A few of the topics discussed are the following: (1) the function of music in worship, (2) relationship of the minister to the music program of the church, (3) organization and rehearsal of the volunteer choir, (4) children's choirs, (5) choir repertory, (6) the church organist or pianist.
145. CHORAL CONDUCTING.
Two credits. Prerequisite, Course 6 and at least one year's singing experience in a campus organization.
 A study of the technique of the baton with application to elementary choral forms.
147. HISTORY OF AMERICAN MUSIC.
Two credits.
 A survey of the development of American music by lecture and illustration.
150. ELEMENTARY COMPOSITION.
Three credits. Prerequisite, Course 95.
 Composition in the smaller homophonic forms.

151. FORM ANALYSIS.
Three credits. Prerequisite, Course 94.
 Analysis of intermediate and larger forms of the Classic and Romantic periods.
152. HARMONIC ANALYSIS.
Two credits. Prerequisite, Course 95.
 A careful study of the harmonic structures of compositions of several periods but particularly those of the nineteenth century.

Courses in Music Education

125. PUBLIC SCHOOL MUSIC.
Two credits. Autumn quarter. Prerequisite, Course 2.
 Methods of teaching vocal music in kindergarten and the elementary grades, including a study of the child voice, rote-singing, treatment of monotonies, lessons in listening.
59. ORCHESTRAL INSTRUMENTS.
Two credits. Spring quarter.
 Class lessons in strings, woodwinds or brasses.

Choral and Instrumental Ensembles

- 21 (121), 23 (123). ORATORIO SOCIETY.
One-half credit per quarter. Autumn and Spring quarters.
 Requirements for membership are a good voice and regularity in attendance. Upper division credit to students presenting three credits in Chorus.
24. CHORAL LITERATURE.
One-half credit. Winter quarter.
 Choral singing with emphasis upon development of sight reading skill.
- 25, 26, 27. COLLEGE BAND.
One credit per quarter. Autumn, Winter, and Spring quarters.
 Students, both men and women, who play band instruments are eligible for membership in the College Band. Meets twice each week for rehearsals.
- 40 (140), 41 (141), 42 (142). A CAPPELLA.
One credit per quarter. Autumn, Winter, and Spring quarters.
 An organization of forty-five to fifty mixed voices, auditions to be held during the first week of the autumn quarter. Frequent public concerts during the winter and spring quarters. Meets three periods weekly. Members must belong to the Oratorio Society and must participate in all public appearances through the year. Upper division credit for students presenting six credits in A Cappella.
- 47, 48, 49. ORCHESTRA.
One credit per quarter. Autumn, Winter, and Spring quarters.
 An organization open to students who can pass a qualifying test on the instrument played. Meets twice each week for rehearsal.
- 55, 56, 57. PIANO ENSEMBLE.
One credit per quarter. Prerequisite, permission of instructor.
 A study of ensemble literature and transcriptions of larger works for performance by two pianos. Required of all students who register for 81A, 82A, 83A. Additional fee.

Courses in Applied Music

The course numbers in this division represent successive grades of advancement. Any number may be used in any quarter. Students should consult their instructors for assignment of proper course numbers. One credit is given for one lesson and five hours of practice per week. The student may earn two credits by taking two lessons per week and by practicing ten hours per week. No credit is allowed if the student misses more than two lessons during a quarter.

The various branches of applied music are designated by capital letters immediately following the course number. A, Piano; B, Voice; C, Violin; D, Organ; E, Brass. No resident instruction in Violin during 1947-48.

Piano

- 11A, 12A, 13A. PREPARATORY PIANO.
One credit per quarter. Autumn, Winter and Spring quarters.
 All major scales to be played, hands separate, in quarter notes, two octaves, in 4/4 time, M.M. 100. All minor scales in harmonic form at M.M. 80. Tonic chords and arpeggios.

31A, 32A, 33A. PREPARATORY PIANO.

One credit per quarter. Autumn, Winter and Spring quarters.

All major scales, hands separate, 4/4 time, M.M. 80 as follows: One octave in quarter notes, two octaves in eighth notes, four octaves in sixteenth notes. All minor scales in quarter notes at M.M. 100. Continuation of chord and arpeggio work, including the dominant and diminished seventh. Studies: Duvernoy Op. 120, or Loeschhorn Op. 66, or Czerny-Germer, Volume 1, Book 2, Heller Op. 47, Bach for Beginners, Sonatinas by Clementi or Kahlau. Easier pieces by Mendelssohn, Schumann, and modern composers.

51A, 52A, 53A. PREPARATORY PIANO.

One credit per quarter. Autumn, Winter and Spring quarters.

Major scales, hands together, as in 33A. All minor scales, hands together, as major scales, 33A. Dominant and diminished arpeggios. Studies: Czerny Op. 299, Heller Op. 46, Bach, Eighteen Little Fugues or easier two-part inventions. Easy Sonatinas by Haydn, Mozart, or Beethoven, Chopin Preludes and Mazurkas. Pieces by Schubert, Grieg, and other romantic and modern composers.

61A, 62A, 63A. PIANO.

One or Two credits per quarter. Autumn, Winter and Spring quarters.

Major and minor scales, hands together, M.M. 88, in rhythm; one, two, three, and four notes to a count. Major and minor triads, diminished seventh and dominant chords with inversions; also to be played in arpeggio form. Standard works on technique as Hanon or Philipp. Selections from Czerny Op. 740, Cramer, or like studies. Bach, selections from Little Preludes and Fugues, Two and Three-Part Inventions, Suites, and the Well-Tempered Clavichord.

81A, 82A, 83A. PIANO.

One or Two credits per quarter. Autumn, Winter and Spring quarters.

Major and minor scales, diminished and dominant seventh arpeggios, major and minor scales in rhythm, M.M. 92. Technique continued. More difficult studies in Czerny Op. 740, Cramer, or any chosen by the teacher. Bach, added selections from Three-Part Inventions and the Well-Tempered Clavichord, French, or English Suite. Beethoven Sonatas, one or two of earlier ones. Must be accompanied by courses 55, 56, 57.

161A, 162A, 163A. PIANO.

One or Two credits per quarter. Autumn, Winter and Spring quarters.

Technique continued—Hanon, Huteson, or Philipp. Major and minor scales in thirds, sixths, and tenths; major and minor arpeggios. Diminished and dominant seventh arpeggios, all to be played in various rhythms. Continuation of Bach Preludes and Fugues, Clementi Gradus ad Parnassum, Chopin Etudes, Beethoven, later Sonata. Concerto by Mozart, Beethoven, or Mendelssohn. Selections from classic, romantic, and modern composers. Junior Recital. Student is required to do two hours of approved accompanying each week.

181A, 182A, 183A. PIANO.

Two credits per quarter. Autumn and Winter quarters; one or two credits Spring quarter.

Work of the previous year continued and intensified with preparation for the senior recital which should include: (1) a number or group by Bach; (2) a concerto; (3) compositions by romantic composers; (4) compositions by modern composers. Senior recital.

184A. SENIOR RECITAL.

Two credits. Prerequisite, permission of music faculty.

Voice

51B, 52B, 53B. PREPARATORY VOICE.

One credit per quarter. Autumn, Winter and Spring quarters. Prerequisite, Course 13A.

Elementary studies in tone production for those with insufficient training to enter the regular courses for voice majors.

61B, 62B, 63B. VOICE.

One or two credits per quarter. Autumn, Winter and Spring quarters. Prerequisite, Course 33A and one year of voice study.

Principles of Italian and English diction. Elementary English phonetics. Diaphragmatic breathing. Studies from Vaccai, Sieber, or Concone, Op. 9. Early English and Italian songs. "Functional-environment" exercises. Easy sacred solos. Preparation for church solo work.

81B, 82B, 83B. VOICE.

One or Two credits per quarter. Autumn, Winter and Spring quarters.

Advanced vocalises. Advanced sight reading. Advanced English phonetics. Solos from the minor cantatas and oratorios. German phonetics. Easy German Lieder. Concert department.

161B, 162B, 163B. VOICE.

One or Two credits per quarter. Autumn, Winter and Spring quarters.

Solos from the major cantatas and oratorios, with their traditions. Sacred solos with organ accompaniment. French phonetics. French vocal literature. Advanced German Lieder. Easy operatic repertoire. Elements of choir leadership. Junior recital.

181B, 182B, 183B. VOICE.

Two credits per quarter. Autumn and Winter quarters; one or two credits Spring quarter.

Songs with orchestral accompaniment. Work in church Latin (if desired). Spanish songs (Castilian or Spanish-American diction as appropriate). Advanced operatic repertoire in all operatic languages. Preparation for voice teaching (if desired). The psychology of the art of singing. Senior recital.

184B. SENIOR RECITAL.

Two credits. Prerequisite, permission of music faculty.

Violin

Students interested in violin should get in touch with the Director of the School of Music regarding available teachers in down-town studios.

Organ

61D, 62D, 63D. ORGAN.

One or two credits per quarter. Autumn, Winter and Spring quarters. Prerequisite, 63A.

Manual exercises; pedal exercises; hymn tunes; familiarity with tone colors. Bach easier preludes and fugues. Movements from Mendelssohn's Organ Sonatas and easier works of later composers.

81D, 82D, 83D. ORGAN.

One or two credits per quarter. Autumn, Winter and Spring quarters.

Continuation of Bach and Mendelssohn in their easier works; compositions by Guilmant, Brahms, Boellmann, Dickinson, Edmundson and other noted composers for the organ.

161D, 162D, 163D. ORGAN.

One or two credits per quarter. Autumn, Winter and Spring quarters.

More difficult compositions of Bach, including Preludes, Fugues, and Toccatas. Shorter compositions by Franck, Merkel, and others. Junior recital.

181D, 182D, 183D. ORGAN.

Two credits per quarter. Autumn and Winter quarters; one or two credits Spring quarter.

Bach advanced organ works. More difficult works by Franck, Dubois, Widor, Vierne, Karg-Elert, Rheinberger and Guilmant, and contemporary composers. Senior recital.

184D. SENIOR RECITAL.

Two credits. Prerequisite, permission of music faculty.

Brass

FRENCH HORN, TRUMPET, TROMBONE.

Course numbers for private lessons on any of the above instruments, parallel those for piano.

Nursing Education

Assistant Professor, EVA A. SHERWOOD

For information regarding curricula in nursing, see School of Nursing Education, pages 52-54.

1. HISTORY OF NURSING.

Three credits. Autumn and Winter quarters.

A survey of Nursing history and education from the earliest time to the present. An effort is made to inculcate the highest and best traditions of Nursing as a profession. Open only to women students. Required of all women Nursing students.

(The remaining courses in Nursing Practice are offered in the hospital division after completing the required campus work.)

10. PRACTICAL HOME NURSING.

Three credits. Winter quarter.

A course in simple nursing for missionaries, teachers, and homemakers. Lectures, discussions, and laboratory procedures correlated.

Philosophy

Associate Professor, ELVIS ELROY COCHRANE

Philosophy is the story of man's thinking. It aims to discover meanings as well as facts and methods. This department seeks further to assist the student in developing power and skill in clear, consistent thinking, to secure a long-range perspective of the history of thinking, and to aid him in building for himself a satisfying philosophy of life. Many of the courses correlate significantly with those of certain other departments, notably history, psychology, and religion, and are, therefore, recommended as supporting electives for majors in those departments.

Requirements for Major: A major in philosophy consists of the satisfactory completion of at least forty-two credits, including Courses 1 or 2, 30, 40, and a minimum of twenty-five upper division credits.

1. INTRODUCTION TO PROBLEMS IN PHILOSOPHY.

Three Credits Autumn quarter.

Beginning students in the field of philosophy are introduced to the problems which have since the earliest days occupied the mind of man. A survey is made of methods of philosophical study, and some of the problems are attacked in more detail. Emphasis is given in this course to the building of a wholesome personal philosophy of life.

2-3. INTRODUCTION TO THE HISTORY OF PHILOSOPHY.

Three credits per quarter. Winter and Spring quarters.

During the second quarter of Philosophy the student is introduced to the writings of the greatest thinkers of the western world from 600 B.C. to the Protestant Reformation. The third quarter takes up the continuation of the second quarter and carries it along to 1900.

41. PROBLEMS OF HUMAN VALUES.

Three credits. Spring quarter.

A study of the ways in which great thinkers, Plato, Aristotle, Epicurus, Locke, Darwin, Nietzsche, Emerson, and others, have defined human values and have affected human history and civilization.

150. THEISM.

Three credits. Winter quarter.

An exposition and vindication of the Christian view of God and the world, contrasted with modern speculations as to the origin, nature, development and destiny of all things.

166. PERSONALISM.

Three credits. Spring quarter.

"The most interesting thing in the world is people." Personalism is that movement in philosophy which emphasizes that personality is not only the most interesting, but the most important, and in a unique sense, the most real thing.

NOT OFFERED IN 1947-48

30. ELEMENTARY LOGIC.

Three credits.

Logic is the science of orderly and consistent thinking. In addition to observing classical methods the students in this course may use many exercises to develop skill in the scientific procedures of judgment, knowledge, and thought.

40. ETHICS.

Three credits.

Ethics, or moral philosophy, is concerned with the historical theories and manifestations of principles by which human conduct has been guided. In addition this course seeks to achieve tenable solutions to contemporary problems in personal, social, economic, and other areas of life.

151. PHILOSOPHY OF RELIGION.

Five credits.

Religion and philosophy have many relationships to each other. This study examines these relationships, especially the basic philosophic assumptions by which is established the validity of religious experience. Attention is also given to other religious concepts such as prayer, worship, church organization, and the historical reshaping which they have undergone.

152. CHRISTIAN PHILOSOPHY.

Two credits.

How are the many problems of contemporary life to be solved upon a distinctly Christian basis? This study seeks for these solutions, requiring them to be valid, adequate, and realizable.

Physical Education

Professor, WINIFRED E. WETER

Part-time Instructor, HUGH C. MINER

1m, 2m, 3m, 4m, 5m, 6m. PHYSICAL EDUCATION ACTIVITIES FOR FRESHMEN AND SOPHOMORES (MEN).

Game fundamentals of sports in season, activity games, coordinating exercises. Required of all freshmen and sophomore men (veterans excepted).

1w, 2w, 3w, 4w, 5w, 6w. PHYSICAL EDUCATION ACTIVITIES FOR FRESHMEN AND SOPHOMORES (WOMEN).

Gymnastics, marching drills and the study of the fundamentals of the various sports in their seasons. Required of all Freshmen and Sophomore women (veterans excepted).

16 (116). THEORY OF COACHING.

Two credits. Winter quarter.

Designed particularly for education majors and those planning to make physical education one of their fields in teaching. A study of the organization and administration of Physical Education programs and the technique of coaching various athletics on the elementary, secondary and collegiate levels.

50. CHURCH ACTIVITY PROGRAM.

Two credits. Autumn quarter.

This course is designed particularly for ministerial students and those interested in church directed social and recreational activities. A study is made of the various activities which may be employed in the setting up of a church recreation program for the various age levels.

65. COMMUNITY RECREATIONS.

Three credits. Spring quarter.

The planning and execution of varied programs suitable for schools, industrial centers, and clubs in large and small communities.

Physics

Professor, O. M. MILLER

Instructor, ELDON TURNIDGE

Instructor, WILLARD D. ALDRIDGE

Tremendous social, economic, and political changes have taken place throughout the world as a result of progress made in the field of physics during the last fifty years. Great as these changes have been, the very recent discovery of methods for releasing atomic energy promises still more startling changes in the near future. An acquaintance with this rapidly advancing field and its many applications is one of the aims of this department.

Requirements for Major: Students desiring a major in physics should signify their intention not later than the beginning of their junior year. By that time they should have at least fifteen credits in physics, ten credits in chemistry, and should have taken or be ready to take calculus.

A total of forty-one credits in the department are required of physics majors. In addition to this the candidate must complete ten credits in chemistry and mathematics through the calculus.

1, 2, 3. GENERAL PHYSICS.

Five credits per quarter. Autumn, Winter and Spring quarters.

A general introduction to the facts, theories, methods and applications of physics is provided by this course. The field of mechanics is studied the first quarter. Sound, heat and light are studied the second quarter, and electricity the third quarter. Special attention is paid to the interests and needs of the individual student. Two double laboratory periods are held each week.

15. PHYSICAL SCIENCE.

Five credits. Spring quarter.

An introduction to elementary physics and chemistry designed to aid the student better to understand the many applications of these sciences in his daily environment. Many demonstration experiments. Designed to be of maximum value to those not majoring in science.

70. PHYSICS FOR NURSES.

Five credits. Spring quarter.

Special emphasis is placed upon the applications of physics in the field of nursing and in the home.

105, 106. ELECTRICITY AND MAGNETISM.

Four credits per quarter. Autumn and Winter quarters. Prerequisite, Physics 3, Mathematics 121.

An elementary course in the general principles and theory of electricity and its applications.

140, 141, 142. EXPERIMENTAL PHYSICS.

Two to four credits per quarter. Autumn, Winter and Spring quarters. Prerequisite, twenty-five credits in Physics or consent of instructor.

The content of this course is adapted to the individual needs and interests of the student and consists of the performing of more advanced experiments and the solving of more advance problems than those met in the general courses.

150. OPTICS.

Five credits. Spring quarter. Prerequisite, Physics 3.

A study of the theories and phenomena of light, and of the instruments with which these phenomena are observed.

160. SOUND.

Four credits. Autumn quarter. Prerequisite, Physics 3.

A study of the production and characteristics of sound, with emphasis placed on practical applications. One laboratory period per week.

NOT OFFERED IN 1947-48

101, 102. INTRODUCTION TO MODERN PHYSICS.

Three credits per quarter. Prerequisite, Physics 3.

An introductory study of the modern physical theories of the structure of the atom, nature of light, radioactivity, and atomic energy. Required of all physics majors

110. HEAT AND MOLECULAR PHYSICS.

Five credits. Prerequisite, Course 3.

A critical study of the general field of heat. Fundamental heat regulations are developed and applications made to heat engines and refrigeration.

172. ELECTRONICS.

Five credits. Prerequisite, Physics 3, Mathematics 121.

A study of the theory of vacuum tubes and their applications in communication and other industries.

Physiology

For courses in Physiology see the Zoology department.

Psychology

Professor, PHILIP F. ASHTON

Professor, PAUL W. WRIGHT

The field of Psychology is rapidly becoming of added interest to a wide range of students. The objectives of the work in this department is built so as to give the student a practical knowledge of himself and of those with whom he comes in contact. Special emphasis will be given to the Christian viewpoint. Psychology 1 is prerequisite to all the courses in the department. Students majoring in Psychology must earn forty credits, half of which must be in courses numbered above one hundred, and including courses 1, 2, 21, 103, and 126. Students majoring in Psychology should have the equivalent of 2½ units of high school mathematics. Zoology 29 and 30 must be taken as preparation in science. The major should be buttressed with work in Philosophy and Sociology.

1. GENERAL PSYCHOLOGY.

Five credits. Autumn and Spring quarters.

A survey of the science as a whole. Man's original nature, the way in which nature is altered by use, and the common modes of individual and social behavior that result. This course is a prerequisite to all other courses in the department.

2. PSYCHOLOGY OF ADJUSTMENT.

Five credits. Winter quarter.

Nature of personality and ways in which personalities are formed in adjusting the world.

21. APPLIED PSYCHOLOGY

Five credits. Winter quarter.

The application of psychology to individual competence and occupational activities. Personal efficiency, vocational, industrial, and business psychology; psychology applied to law, medicine, and the ministry.

51. SOCIAL PSYCHOLOGY.

Five Credits. Spring quarter.

A study of the effect of social situations upon the individual with special reference to language, custom, public opinion, morals, war, the family, and religion.

103. ESSENTIALS OF MENTAL MEASUREMENT.

Five credits. Autumn quarter.

Training in simple graphic methods of presenting data, in the calculation and interpretation of important constants of a distribution, and in the more usual methods of correlation. A basic course in statistics for students in Psychology.

106. READINGS IN EXPERIMENTAL PSYCHOLOGY.

Five Credits. Spring quarter.

Training in the techniques of experimental methods in Psychology through the collection and evaluation of psychological data. Much work is designed to acquaint the student with the apparatus suited to different fields of psychological investigation.

130. NEURAL BASIS OF BEHAVIOR.

Five credits. Autumn quarter.

The anatomy and physiology of the nervous system, and their bearing upon the problems of learning.

152. PSYCHOLOGY OF LEARNING.

Five credits. Winter quarter.

A survey of the various concepts of learning; recent experimental literature on habit formation, transfer of training, retention, conditioning, motivation, learning curves, etc.

170. TESTS AND MEASUREMENTS.

Five credits. Winter quarter.

(For description see Education 170.)

NOT OFFERED IN 1947-48

112. HISTORY AND THEORY IN PSYCHOLOGY.

Five credits.

A criticism and comparison of the theories of living American and foreign psychologists in the light of recent experimental findings.

126. ABNORMAL PSYCHOLOGY.

Five credits.

A critical analysis of the field of mental abnormality and disease, with special reference to various modern methods of therapy.

161. CHILD GROWTH AND DEVELOPMENT.

Five credits.

A presentation of the facts concerning the original nature of the child, and the principles and methods for the modification of this original nature during infancy and childhood.

Public Health

For courses in Public Health see Bacteriology and Public Health.

Religion

For information regarding the various curricula in this field and the major requirements, see School of Religion, pages 55-59.

Professor, E. WALTER HELSEL

Professor, MABEL R. SHIPLEY

Professor, PAUL W. WRIGHT

Associate Professor, ELVIS ELROY COCHRANE

Assistant Professor, FLOYD F. PUFFER

Instructor, BOKKO TSUCHIYAMA

BIBLICAL FIELD

Bible Literature, Bible History

10. OLD TESTAMENT HISTORY.

Two credits. Autumn quarter

A survey course designed to give a bird's eye view of the Old Testament from the historical standpoint. This study covers Bible history from the beginning, to the fall of Jerusalem.

11. THE GOSPEL OF MARK.

Three credits. Autumn and Spring quarters.

The student will be led to such a mastery of this book as to enable him to think through it with ease and to discuss intelligently any problem or statement in the light of its immediate context and of the message of the book as a whole. Special attention given to method of Bible study in this course.

12. STUDIES IN THE GOSPEL OF LUKE.

Three credits. Winter quarter.

This book, written by the historian, Luke, will be studied for both form and content. The content will be considered under various studies of the Person of Christ, His life, His teachings, etc.

15. BOOK OF PSALMS.

Two credits. Winter quarter.

This course includes a brief survey of early Hebrew poetry; a general knowledge of the Book of Psalms, its structure, contents, and authorship; and a mastery of selected Psalms. Individual and original work encouraged.

16. NEW TESTAMENT TIMES.

Three credits. Autumn quarter.

A survey of the Bible history from the fall of Jerusalem in 586 B.C. to the fall of Jerusalem in 70 A.D., together with a study of the religion, culture and society of the New Testament world. This course presents background material for entire New Testament.

17. BOOK OF ACTS.

Three credits. Autumn and Spring quarters.

An intensive study following Mark designed to acquaint the student with the scope and importance of New Testament history. The structure and purpose of the book, its relation to Pauline writings, and its place as fundamental to the history of the Christian Church are all studied.

101. THE GOSPEL OF JOHN.

Three credits. Autumn quarter. Prerequisite, 6 credits of Bible Study.

A thorough study of the entire gospel. Mystical and spiritual message emphasized and evaluated. Attention also given to the critical problem of authorship. Collateral reading required.

103. LIFE OF CHRIST.

Three credits. Spring quarter.

A course designed to provide cultural and inspirational value by means of a careful study of the four Gospels.

106. PAULINE EPISTLES.

Five credits. Winter quarter. Prerequisite, 6 credits of Bible Study.

A survey course of Paul's letters, except Romans, ascertaining the chronological order, the historical background, and the vital message of each. The approach and procedure will be that of the book-study method.

114. OLD TESTAMENT BOOK STUDIES.

Five credits. Autumn quarter. Prerequisite, Course 10, or 6 credits of Bible Study.

A study of the chief historical books of the Old Testament as organized wholes. Especial emphasis is placed on the technique of the book study method. The aim, movement, chief characters, and outstanding characteristics of each book are investigated.

115. HEBREWS

Two credits. Spring quarter. Prerequisite, 6 credits of Bible Study.

A study of this book from the standpoint of discovering its relation to the Old Testament institutions and the person and place of Christ in the fulfillment of prophecy.

119. MINOR PROPHETS.

Three credits. Winter quarter. Prerequisite, Course 10, or 6 credits of Bible Study.

A study of the Prophets, their ministry, and their message in the light of their day with much attention given to their message for this day and age.

190. READINGS AND CONFERENCE IN THE OLD TESTAMENT.

Two credits. Autumn or Winter quarter.

A course, open only to advanced students in religion, consisting of personally directed individual study of some phase of the Old Testament along with selected readings in books pertinent to the subject.

191. READINGS AND CONFERENCE IN THE NEW TESTAMENT.

Two credits. Winter or Spring quarter.

Same as 190 except in the field of the New Testament.

NOT OFFERED IN 1947-48

13. THE GOSPEL OF MATTHEW.

Three credits.

A mastery of this Gospel and its several parts in relation to one another and to the narrative as a whole is required. Historical and interpretative readings.

18. SURVEY OF THE OLD TESTAMENT PROPHETS.

Five credits.

A survey of the sixteen prophets of the Old Testament, including a study of the men, what they were, the times in which they lived, and the messages they delivered to their day and to ours.

105. REVELATION.

Three credits. Prerequisite, 6 credits of Bible Study.

The book of Revelation carries a vital message for Christians today. This study will include a detailed examination of each chapter in the book, as it is related to the whole. Time will be given to various current interpretations.

111. JEREMIAH.

Three credits. Prerequisite, 6 credits of Bible Study.

A careful study of the book of Jeremiah together with a survey of Hebrew history as a whole in relation to the times of the Babylonian captivity. Jeremiah's personal experiences as a prophet, his teachings, his statesmanship, and his message for this day and age, faithfully portrayed and studied.

112. ISAIAH.

Three credits. Winter quarter. Prerequisite, 6 credits of Bible Study.

A study of Isaiah, the man, and the message of the book. Special attention is given to the Messianic theme of the book.

Theological Field

Systematic Theology, Biblical Theory

72. SURVEY OF DOCTRINE.

Five credits. Winter quarter.

An introductory course in theology designed to acquaint the student with the full range of Christian beliefs, including the basic elements of Christian apologetics.

102. ROMANS.

Three credits. Autumn quarter. Prerequisite, 6 credits of Bible Study.

An exhaustive first hand analysis of the argument in this epistle is required of each student, and critical and historical investigation is made. Topical and exegetical study directed.

165. THE DOCTRINE OF THE HOLY SPIRIT.

Three credits. Spring quarter.

The approach of this course will be that of a first-hand inductive study of Bible passages that present the Person, offices and work of the Holy Spirit. The leading books on the subject will also be consulted. This study will be both devotional and doctrinal.

NOT OFFERED IN 1947-48

162. **SYSTEMATIC THEOLOGY.**
Five credits.
An extensive study of the doctrines of the Bible, the institutions of Christianity, the existence of God, the deity of Christ, the personality and deity of The Holy Spirit, the Trinity, the fall of man, free moral agency, the atonement, repentance, faith, justification, regeneration, adoption, perseverance of the Saints, Christian perfection, the resurrection, the judgment, the future state, the evidence of Christianity, the moral of Christianity, the Sabbath, baptism, and the Lord's Supper.
164. **BIBLE DOCTRINE OF HOLINESS.**
Three credits.
A thorough investigation of the Bible doctrine, finding evidence, both scriptural and experimental, of the great human need, and the adequate provision for it through the Atonement; use of a basic text (Lowry's Possibilities of Grace) augmented by study of other holiness literature.

Historical Field*Church History and Missions*

44. **HISTORY OF MISSIONS.**
Three credits. Spring quarter.
A study of the modern missionary movement of the Church, missionary agencies, and progress of missions.
121. **MISSIONARY PRINCIPLES.**
Two credits. Winter quarter.
The basic principles which underlie the aim, motive, and scope of the missionary enterprise. Also, a consideration of such practical points as the field, preparation, outfit, relationship to the board, etc.
151. **RELIGIONS OF THE WORLD.**
Three credits. Autumn quarter.
A study of the major non-Christian religions, their origin, development, nature, doctrine, and literature.
154. **MODERN RELIGIOUS MOVEMENTS.**
Two credits. Winter quarter.
Attention is given to the origin, progress, and fallacies of such movements as Adventism, Christian Science, Mormonism, Spiritualism, Theosophy, etc.
- 156, 157. **PROBLEMS OF THE CHURCH IN FOREIGN LANDS.**
Three credits. Autumn and Winter quarters.
A study of the vital problems confronting the missionary enterprise today. Special attention given to the present missionary situation in China, Japan, and India. An examination and evaluation of proposed solutions.
159. **ECONOMIC BASIS OF THE CHURCH IN FOREIGN LANDS.**
Three credits. Spring quarter.
The purpose of this course is to acquaint the student with the economic situations on the various mission fields and their relation to the missionary program. The study will consist of assigned readings, reports and lectures.

NOT OFFERED IN 1947-1948

141. **HISTORY OF THE CHRISTIAN CHURCH.**
Five credits.
A comprehensive survey of the Christian Church from Apostolic days to the twentieth century. Special emphasis will be given to a study of the establishment of the church and a study of the Reformation.
142. **MODERN CHURCH HISTORY.**
Three credits.
A course designed to promote a better understanding among denominations, by a study of the origin and history of denominations. Each student will be required to make a detailed study of his own denomination.
143. **HISTORY OF METHODISM.**
Three credits.
The study of the origin, development, and progress of the movement known as Methodism. Special emphasis will be given to appreciation of the Methodist tradition and the history of the Free Methodist Church.

Practical Field*General Preparation, Christian Education, Pastoral Work*

20. **ART IN CHRISTIAN EDUCATION.**
One credit.
A discovery of the religious values of pictures and a study of methods of teaching religion with pictures. There will be an opportunity to become acquainted with masterpieces of Christian art, their painters, and their messages.
22. **PERSONAL EVANGELISM.**
Two credits. Spring quarter.
A class designed for all who desire special training in the work of personal evangelism. All engaged in active religious work while in college are required to take this course.
25. **FREE METHODIST POLITY AND DOCTRINE.**
Two credits. Spring quarter.
A general course covering the books listed in the preliminary course of study for Free Methodist ministers. Examinations will be given over four of the books. Required of all Free Methodist ministerial students.
50. **CHURCH ACTIVITY PROGRAM.**
Two credits. Autumn quarter.
(For description see P. E. 50.)
- 81 (181). **SERMON PREPARATION.**
Five credits. Autumn quarter.
Consideration is given to the principles of preaching. The inductive method is employed using a variety of noted sermons as laboratory material.
129. **INTERPRETIVE READING OF THE BIBLE.**
Three credits. Winter quarter.
(For description see Speech 129.)
- 134, 135, 136. **DIRECTED TEACHING IN THE CHURCH SCHOOL.**
Two credits each. Autumn, Winter and Spring quarters.
A course in which the student does actual teaching in a selected Church School under the supervision of trained teachers. Each student receives practical experience in the various phases of Church School work, including lesson selection, preparation, and planning, administration, visitation, program planning and direction.
139. **CHRISTIAN EDUCATION OF YOUTH.**
Three credits. Winter quarter.
A study into the moral nature and growth of youth. This covers what is known as the three periods—intermediate, senior, and young people.
152. **PSYCHOLOGY OF LEARNING.**
Five credits. Winter quarter.
(For description, see Psychology 152.)
194. **CHURCH AND PASTORAL ADMINISTRATION.**
Five credits. Spring quarter.
A course dealing with problems of pastoral work, church administration, Sunday School administration, and ministerial ethics.
199. **PASTORAL WORK.**
Fifteen credits. Autumn, Winter or Spring quarter.
A course for ministerial students in their senior year in which each one does actual pastoral work in a selected church in or near Seattle under the direction of a successful pastor. The student spends his entire time for one quarter right on the field, his work covering the various aspects of the ministry including Sunday School work, pastoral calling, young people's work, preaching, conducting special services, church organization, business and finance, church advertisement, general evangelism, etc.
30. **INTRODUCTION TO CHRISTIAN EDUCATION.**
Three credits.
Survey of the field of Christian Education with special emphasis given to its history, principles, methods and administration.
33. **CHRISTIAN EDUCATION OF CHILDREN.**
Three credits.
A study of the child through what are known as the beginners, primary, and junior periods, with emphasis upon the principles and methods for giving religious instruction and building Christian character.
38. **WORKSHOP IN CAMP LEADERSHIP.**
Two and one-half or three credits.
A practical course concerned with problems of administration, curriculum building, selection and planning of activities for Summer Camps; along with a general study of the child, his nature, needs, and care, and the methods of teaching him.

133. RELIGIOUS AUDIO-VISUAL AIDS.

Two and one-half or three credits.

A comprehensive course covering both projective and non-projective aids. Actual laboratory experience in learning how to operate the different types of projection equipment. Teaching techniques, sources of materials and administration of the program. Previewing and evaluating a large number of religious audio-visual aids. Discussion of the place of the audio-visual aids in the program of the church.

137. CHRISTIAN EDUCATION OF YOUNG ADULTS.

Three credits.

Consideration will be given to problems of older youth such as: courtship and marriage, the home, the church's opportunity and challenge in the home, etc. This course will be of specific value for those who will be working with young adult groups in their churches.

161. CHILD GROWTH AND DEVELOPMENT.

Five credits.

(For description see Psychology 161.)

163. CHARACTER EDUCATION.

Five credits.

(For description see Education 163.)

182. ADVANCED HOMILETICS.

Two credits.

A course for Juniors and Seniors who, having had Course 81, are now given an opportunity to deliver sermons which, in turn, will be examined and evaluated. Adapted to ministers who may be in service and who wish advanced training. Special study given to Expository Preaching.

Sociology

Assistant Professor, E. C. KNORR

1. SURVEY OF SOCIOLOGY.

Five credits. Fall and Spring quarter.

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.

3. CONTEMPORARY SOCIAL PROBLEMS.

Five credits. Winter quarter.

Covers the study of the problem of delinquency, suicide, crime, population, unemployment, public relief, poverty, public welfare, mental deficiency, mental diseases, family disorganization, etc. Prerequisite, Soc. 1.

51. SOCIAL PSYCHOLOGY.

Five credits. Spring quarter.

(See Psychology 51 for description.)

103. SOCIAL STATISTICS.

Five credits. Autumn quarter.

(See Psychology 103 for description.)

104. THE FAMILY.

Five credits. Winter quarter.

The changing home; study of the family and marriage customs; family interaction and organization; analysis and treatment of family disorganization. Prerequisite, Soc. 1.

114. THE RURAL COMMUNITY.

Five credits. Fall quarter.

The rural life movement with special reference to group organization and rural social organizations. Prerequisite, Soc. 1.

140. HUMAN ECOLOGY.

Five credits. Spring quarter.

Factors and forces which determine the distribution of people and institutions. Prerequisite, Soc. 1.

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110. THE URBAN COMMUNITY.

Five credits.

Organization and activity of urban groups, with special reference to social, economic and other institutional problems. Prerequisite, Soc. 1.

150. CRIMINOLOGY.

Five credits.

The nature of the social problem of crime, the criminal law and its administration, and the penal treatment of the criminal. Prerequisite, Soc. 1.

Spanish

Part-time Instructor, ELEANOR L. IORNS

Students entering with high school credits in Spanish may enter any course for which they have the prerequisites. For reasons of interruption in a language, some adjustment may be made. Those presenting no credit in Spanish from the high school may begin with Spanish 1.

1-2, 3. ELEMENTARY SPANISH.

Five credits per quarter. 3, Autumn quarter; 1, Winter quarter; 2, Spring quarter. No credit will be given for Spanish 1 until 2 is completed.

Practical work in basic Spanish in preparation for the mission or business field, or for advanced academic courses.

15, 16, 17. CONVERSATIONAL SPANISH.

Three credits each quarter. 15 and 17, Autumn quarter; 16, Winter quarter; 17, Spring quarter. Prerequisite, at least one year of Spanish in high school, or Elementary Spanish 1-2.

25 (125), 26 (126), 27 (127). INDIVIDUAL STUDY.

Five to ten credits per quarter. Autumn, Winter and Spring quarters. Prerequisite, permission of instructor.

Designed for students not enrolled in regular courses, who want intensive study, preparatory to missionary work.

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4, 5, 6. READING OF MODERN TEXTS.

Three credits per quarter. Prerequisite to Spanish 4 is 3, or equivalent.

Speech

Associate Professor, LILLIAN DANIELSON

The department offers knowledge of the principles and mastery of the means of oral communication. The work is designed to contribute both to practical needs of the individual and to the attainment of such objectives as development of personality, analytic thinking, and emotional control.

Requirements for Major: Students planning to major in speech must complete Courses 1, 2, 23, 25, 40, 123, 140, and sufficient additional courses to total forty credits, at least half of which must be upper division. Credits not to exceed ten from the English department, may be applied toward a major in Speech.

1, 2. FUNDAMENTALS OF SPEECH.

Two credits per quarter. Course 1, Autumn and Spring quarters; Course 2, Winter quarter.

The purpose of this course is to train students in the art of effective speaking from the standpoint of voice, bodily action, and organized thought. Practice in the preparation and presentation of original speeches will be required. During the latter part of the course attention is given to the problems of speech delivery. Emphasis is placed on the establishment of fundamental coordination of mind, voice and body in public address.

25. THE SPEAKING VOICE.

Three credits. Autumn quarter.

Practical training in breathing, relaxation of throat, and exercises for correction of vocal defects.

26. VOICE AND ARTICULATION.

Three credits. Spring quarter. Prerequisite, Course 25.

An advanced course for the correction and development of the voice.

30, 31. ARGUMENTATION AND DEBATE.

Two credits per quarter. Autumn and Winter quarters.

Analyzing a subject, drawing a brief, the presentation of evidence, persuasive composition, and argumentation. A practical course in the art of formal and informal debate.

33. FORENSIC SEMINAR.

Two credits. Spring quarter. Prerequisite, Course 30.

A course open to those who participate in intercollegiate debate.

40. **INDIVIDUAL INSTRUCTION IN SPEECH.**
One to three credits. Autumn, Winter and Spring quarters.
 The purpose of this course is to prepare the student for teaching and recital work in the speech field.
115. **ORAL READING OF LITERATURE.**
Two credits. Autumn quarter.
 Analysis and oral reading of different types of literature by students in order that they may be able to have more skill in interpreting literature.
- 116, 117. **ADVANCED ARGUMENTATION.**
Three credits per quarter. Autumn and Winter quarters. Prerequisite, Course 30.
 Advanced course in oral discussion and debate. It includes analysis of the question, types of argument, evidence, fallacies, problems in persuasion, and practice in parliamentary law.
123. **SPEECH PSYCHOLOGY.**
Three credits. Spring quarter.
 A study of the psychological principles involved in speech. Platform technique, group discussion, and conversation.
125. **VOICE AND DICTION.**
Two credits. Autumn quarter. Prerequisite, Courses 25 and 26.
 Special attention is given to the elimination of voice and language difficulties, including exercises for flexibility and enunciation, pronunciation and grammar.
126. **VOICE PLACEMENT.**
Two credits. Spring quarter.
 "The power of the spoken word to a large degree comes from a personality that has a well placed voice." Phonograph records are used in this course, thus giving the student a chance to hear his own voice frequently, in that way making rapid progress in better speech. Special attention is given to the elimination of voice and language difficulties. Also there is corrective work that may be used by the elementary teacher in working with children having speech difficulties. This course is arranged primarily for teachers, ministers, and platform workers.
- 128, 129. **INTERPRETATIVE READING OF THE BIBLE.**
Three credits per quarter. Autumn and Winter quarters.
 The purpose of the course is platform delivery of the Scripture.
140. **INDIVIDUAL INSTRUCTION IN SPEECH.**
One to three credits. Autumn, Winter and Spring quarters. Prerequisite, Course 40.
 The purpose of this course is to prepare the student for platform and pulpit work; cutting and arranging material for platform reading. Methods of conducting and planning public programs, sermons and radio talks.
- NOT OFFERED IN 1947-1948
127. **TECHNIQUE OF FORUM DISCUSSION.**
Two and one-half credits.
 A practical course in the art of formal and informal discussion, so widely used today. Emphasis placed on the establishment of fundamental coordination of voice, mind, and body in public address. Discussions in part based upon the rapidly shifting international scene.
130. **INTERPRETATIVE READING OF MODERN PLAYS.**
Two and one-half credits.

Zoology

Professor, H. C. McMILLIN

Assistant Professor, EVA A. SHERWOOD

Requirements for Major: Two majors are offered in the department, a major in Zoology and a major in Physiology. Courses 1 and 2 are required of Zoology majors and Courses 29 and 30 of major in Physiology. To complete a major, the student must earn 30 additional credits, at least 21 of which must be in upper division courses.

- 1, 2. **GENERAL ZOOLOGY.**
Five credits per quarter. Autumn and Winter quarters.
 Elementary facts concerning structure, functions, and distribution of animals. The two courses include a survey of all animal groups.

- 29, 30. **PHYSIOLOGY.**
Five credits per quarter. Autumn and Winter quarters.
 Structure and functions of the human body. The course is intended to cover the need in physiology for those planning to teach biology or physical education in high school, students in dietetics, and those preparing for medicine, pharmacy, and hospital work.
61. **HYGIENE.**
Three credits. Autumn and Spring quarters.
 A course in intelligent living; a study of personal hygiene and a general training in First Aid.
100. **HUMAN ANATOMY.**
Three credits. Winter quarter.
 A lecture course dealing with a study of the human body.
101. **HUMAN ANATOMY.**
One to six credits. Autumn, Winter and Spring quarters. Prerequisite, Course 2 or 30.
 A laboratory course in human dissection designed for students preparing especially for medicine, nursing, or physical education.
110. **ECOLOGY.**
Five credits. Offered according to demand. Prerequisite, Course 1 or equivalent.
 A study of factors influencing the distribution of plants and animals.
111. **BIOLOGICAL SCIENCE FOR THE ELEMENTARY SCHOOLS.**
Two credits. Offered according to demand.
 Emphasizes those biological facts and materials adapted to the needs and interests of grade school children.
121. **EMBRYOLOGY.**
Five credits. Prerequisite, Course 2. Offered according to demand.
 A study of the developmental history of animals with emphasis on the vertebrate forms.
122. **HUMAN EMBRYOLOGY.**
Five credits. Prerequisite, Course 2. Offered according to demand.
 Developmental anatomy as applied to humans.
132. **COMPARATIVE ANATOMY.**
Five credits. Autumn quarter. Prerequisite, Course 2.
 Comparative morphology of types of organization in the vertebrate animals. Dissection of four or more typical specimens.
155. **PARASITOLOGY.**
Five credits. Prerequisite, Course 2. Offered according to demand.
 A study of animal parasites and human diseases.
171. **GENETICS AND EUGENICS.**
Three credits. Prerequisite, Course 1 or 5 credits in Biology. Offered according to demand.
 A study of the principles of heredity as derived from cytological evidence and of their application to the improvement of society.
172. **PLANKTON.**
Five credits. Autumn quarter. Prerequisite, Course 2.
 A study of plankton organisms and their importance in marine biology.
173. **PHYSIOLOGY OF MARINE ORGANISMS.**
Five credits. Spring quarter. Prerequisite, Course 110.
 The influence of environmental factors on the life of marine organisms with special reference to economic forms.
181. **MICROTECHNIQUE.**
One to four credits. Autumn, Winter and Spring quarters. Prerequisite, Course 2 and Chemistry 2.
 Methods of embedding, sectioning, and staining animal tissues.
195. **READING AND CONFERENCE.**
One to five hours. Prerequisite, permission of instructor. Offered according to demand.

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15. **SURVEY OF BIOLOGICAL SCIENCES.**
Two and one-half credits.
 An introduction to the biological sciences including Zoology, Botany, Bacteriology, Physiology and Anatomy. Designed for non-majors.

ENROLLMENT SUMMARY 1945-1946

A. COLLEGIATE ENROLLMENT	MEN	WOMEN	TOTAL
1. Academic Year	167	230	397
2. Summer Session (1945)	43	123	166
GROSS TOTAL	210	353	563
LESS DUPLICATES	23	54	77
NET TOTAL	187	299	486
B. NON-COLLEGIATE ENROLLMENT			
1. School of Music	14	49	63
COLLEGIATE ENROLLMENT	187	299	486
C. GRAND TOTAL	201	348	549

Complete enrollment statistics for 1945-46 may be found in the 1946-47 Catalog.

ENROLLMENT SUMMARIES 1946-1947

SUMMER QUARTER, 1946			
Post Graduates	3	20	23
Seniors	13	32	45
Juniors	10	29	39
Sophomores	16	10	26
Freshmen	28	11	39
Special Students	4	0	4
Transient Students	0	10	10
COLLEGIATE TOTAL	74	112	186
Special Music	2	12	14
GRAND TOTAL, SUMMER QUARTER	76	124	200
AUTUMN QUARTER, 1946			
Post Graduates	3	2	5
Seniors	24	52	76
Juniors	46	45	91
Sophomores	64	49	113
Freshmen	155	99	254
Special Students	7	3	10
COLLEGIATE TOTAL	299	250	549
Special Music	6	20	26
GRAND TOTAL, AUTUMN QUARTER	305	270	575
WINTER QUARTER, 1947			
Post Graduates	5	5	10
Seniors	30	47	77
Juniors	47	41	88
Sophomores	67	42	109
Freshmen	169	101	270
Special Students	6	6	12
COLLEGIATE TOTAL	324	242	566
Special Music	4	18	22
Special Missions	1	0	1
GRAND TOTAL, WINTER QUARTER	329	260	589

Complete enrollment statistics for 1946-47 will be published in next year's Catalog.

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TO PROSPECTIVE STUDENTS

Those who desire to enter Seattle Pacific College should send for an application blank as soon as possible. This is in harmony with instructions as found on Page 32 of this bulletin.



TO OUR ALUMNI

The College is very anxious to keep informed as to the location and activities of all the graduates and former students. Please, therefore, write to the Executive Secretary of the Alumni Association from time to time regarding yourself, your family and your work. Especially is it desired to know any change in address or occupation. You may write him in care of Seattle Pacific College, Seattle 99, Washington.