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Whitworth College Bulletin 1983-1984

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Whitworth College

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*A venture
of Mind
and Spirit*

CONTENTS

Our Mission	3	<i>Policies and Procedures</i>	
Our Heritage	5	Policies and Regulations	98
Our Campus	6	Admissions Procedures	100
Our City	8	Financial Information	102
		Financial Aid	103
<i>Academic Programs</i>		Calendar	108
Majors and Areas of Concentration	12	Index	109
Philosophy and Goals	13	Campus Map	110
Description of Courses	16	Correspondence and Information	112
Graduate and Continuing Studies	77		
<i>Life on Campus</i>			
Student Life Programs	80		
Chaplains' Programs	81		
Athletics	82		
Off-Campus and Foreign Study	84		
<i>Faculty, Staff and Trustees</i>	88		

This institution provides equal opportunity in Education without regard to race, color, religion, national origin, sex, or handicap as defined by law, in accordance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Sections 799A and 845 of the Public Health Service Act, and Section 504 of the Rehabilitation Act of 1973.



"The purpose of this college is to give to men and women a thorough course of education, guarding well the moral and religious life of the students, ever directing them in the pursuit of that learning of heart and mind that makes the finished scholar."

Whitworth College Catalogue, 1890

OUR MISSION



The enduring vision for nearly a century at Whitworth has been the pursuit of both intellectual and spiritual development. Through decades of change, this simple and profound concept has remained, firmly centered in the person of Jesus Christ. He is the same yesterday, today and forever (Hebrews 13:8). From Him flow all the values which direct our efforts.

The centrality of Christ at Whitworth is based upon our understanding of the Bible. For us the Scriptures are the inspired and trustworthy record of God's self-disclosure. Scripture, the written Word

of God, is our rule of faith and practice. We rest under its authority and find it in our identity and sense of mission.

Because "God was in Christ reconciling the world to himself" (II Corinthians 5:19) ours is the perspective of a community of reconciliation. Education within this Christian framework raises deep and fundamental questions. It creates an intellectual ferment that awakens minds to their own independent quest for understanding. And it encourages the spirit toward a compassionate and informed response to the needs of the world and its people.

In our educational mission, we are directed by the reformed, Presbyterian tradition. We claim it as our heritage and seek to express it in its finest form, at the same time welcoming those of other traditions, whose presence on our campus deepens and enriches our community life.

In this atmosphere, a genuine integration of faith and learning is possible. For the motivated student it's a setting in which to flourish. Fortified by your own initiative, you'll find encouragement to explore both the well-charted and frontier realms of spirit and intellect. This catalogue is your guidebook as you begin your venture of mind and spirit.





Robert H. Mounce, *president,*
Whitworth College

"This is a great day for a genuinely Christian institution of higher education. We offer an unmatched combination—the centrality of Jesus Christ and the relevance and adaptability of a liberal arts education."

"I like just walking across campus."

"So much of one's experience depends on dorm life. Whitworth is home for now and I appreciate the warm receptive people here."



OUR HERITAGE

Young George Whitworth was a man of restless energy, little like the stern-looking man whose portrait resides in the college archives. Trained as a harness maker, a lawyer and a minister, he was an optimist who didn't allow disappointment to deter him.

In 1852 when he was a young minister in the Ohio Valley, he wrote in his journal of his dream—a colony of Presbyterians on Puget Sound with “a good parochial school” offering “a good English education and a thorough religious training.”

Fifty families signed up for his mission trek across the plains to the Northwest. Then they began to back out

and drop off. When he arrived in Portland in 1853, only his own family was with him. His dream deferred, he spent the next 30 years becoming a leading citizen of the Puget Sound region.

He farmed, practiced law, served in government and pioneered in education. He founded 15 churches and served two terms as president of the Territorial University, later re-named the University of Washington.

In 1883, in the village of Sumner, southeast of Tacoma, he revived the dream and founded Sumner Academy. Seven years later, on February 20, 1890, the school was incorporated as Whitworth College.

By 1899, the college had outgrown the rural community of Sumner and moved into town—Tacoma.

When support in Tacoma began to decline, the trustees cast about for an opportunity to move. Spokane real estate developer Jay P. Graves had long held a dream of a college on Spokane's north side. He offered 640 acres in his Country Homes Estates and in September, 1914, Whitworth opened its doors in Spokane, its new and permanent home.



“Whitworth has helped shape a naive but enthusiastic young Christian. I really do believe my experience has deepened and broadened all aspects of my life.”

"Small enough to see every face, yet a chance to meet another friend."

OUR CAMPUS

Whitworth's two hundred acres of fragrant pines and grassy meadows are an appealing setting for its 40 buildings of warm red brick. The buildings form an oval perimeter around the Loop, a favorite spot for reading under a tree, frisbee-

throwing and pickup volleyball. At one end, the Campanile chimes the hour.

Serene and restful, the campus is surrounded by stately residences providing a quiet buffer from the shopping centers near at hand. Only 14 minutes away is the center of the city, with more shopping and cultural diversions.

Twelve residence halls offer a spectrum of living environments. Among the other major buildings are Cowles Library, Johnston Science Center, Whitworth Music Building, Seeley Mudd Chapel, Cowles Auditorium, Whitworth Fieldhouse, Lindaman Seminar Center and Hardwick Union Building.

Of course, the most important feature of any campus is



its students. Whitworth's are mostly from the Western United States and from 11 foreign nations. In Fall, 1981, there were 1,921 students in undergraduate and graduate programs. Over 400 receive degrees each year, one fourth of which are at the master's level.

Our campus is a friendly place, and we encourage you to visit us and discover its delights for yourself. Simply call the Office of Admissions, (509) 466-3212 to arrange for a tour.

"With the diversity of the faculty, the variety of campus speakers and the different campus organizations, Whitworth encourages us to think about the many options for applying our Christian faith."





OUR CITY

Spokane, the All-American City. A vibrant downtown with exciting specialty shops, appealing restaurants, major department stores, theatres and financial and professional services. Ten blocks of them are connected by a sleek, efficient, fully-enclosed system of skywalks.

There's a plentiful cultural life, too. The elegant Opera House adjoins the Convention Center beside the Spokane River. Nationally-acclaimed artists and fine local talent appear on its stage in concerts, comedies, symphonies, lectures, operas and travelogues. And there's live theatre in town by repertory and dinner theatre companies and at the Spokane Civic Theatre.

Spokane at its heart is quiet, though. At its center is Riverfront Park, 100 acres of gentle hills, lush lawn and greenery, footpaths, bridges and natural amphitheatres. It surrounds the banks of the powerful Spokane River with its cascading falls. Here you pause to ride the turn-of-the-century carousel, hear an outdoor concert or snooze on a grassy meadow.

All this, skywalks, shops, the river and the park are a mere 14 minutes from campus. And there's more beyond.

Close at hand are 12 national parks, 76 lakes and 15 national forests. Thirty minutes out of town, you can hike, camp, fish or hunt. You can go canoeing within the city limits. Spokane's 10 public golf courses are rated among the best in the nation, and four major ski areas are within a two hour drive. (Equipment for all this is no problem, Whitworth's Wilderness Activities Office has all you'll need.)

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

"The things I remember are the things I can see and experience—the things I hear or read I seem to forget more quickly."



"My best friend told me about Whitworth and I came up my first year of college and have been here ever since."

ACCREDITATION

Whitworth College is fully accredited by the Northwest Association of Secondary and Higher Schools as a four-year liberal arts college with an unqualified membership in that association. It is also a member of the Association of American Colleges, the Presbyterian College Union, and the Christian College Coalition, and is on the approved list of the American Associa-

tion of University Women and the National Council on Church-Related Colleges. The college also is accredited by numerous specialized agencies, including professional accreditation in music and teacher education.

The college is affiliated with the Alaska-Northwest Synod of the United Presbyterian Church, U.S.A.



"There are people who care, who trust me—people I don't want to let down."

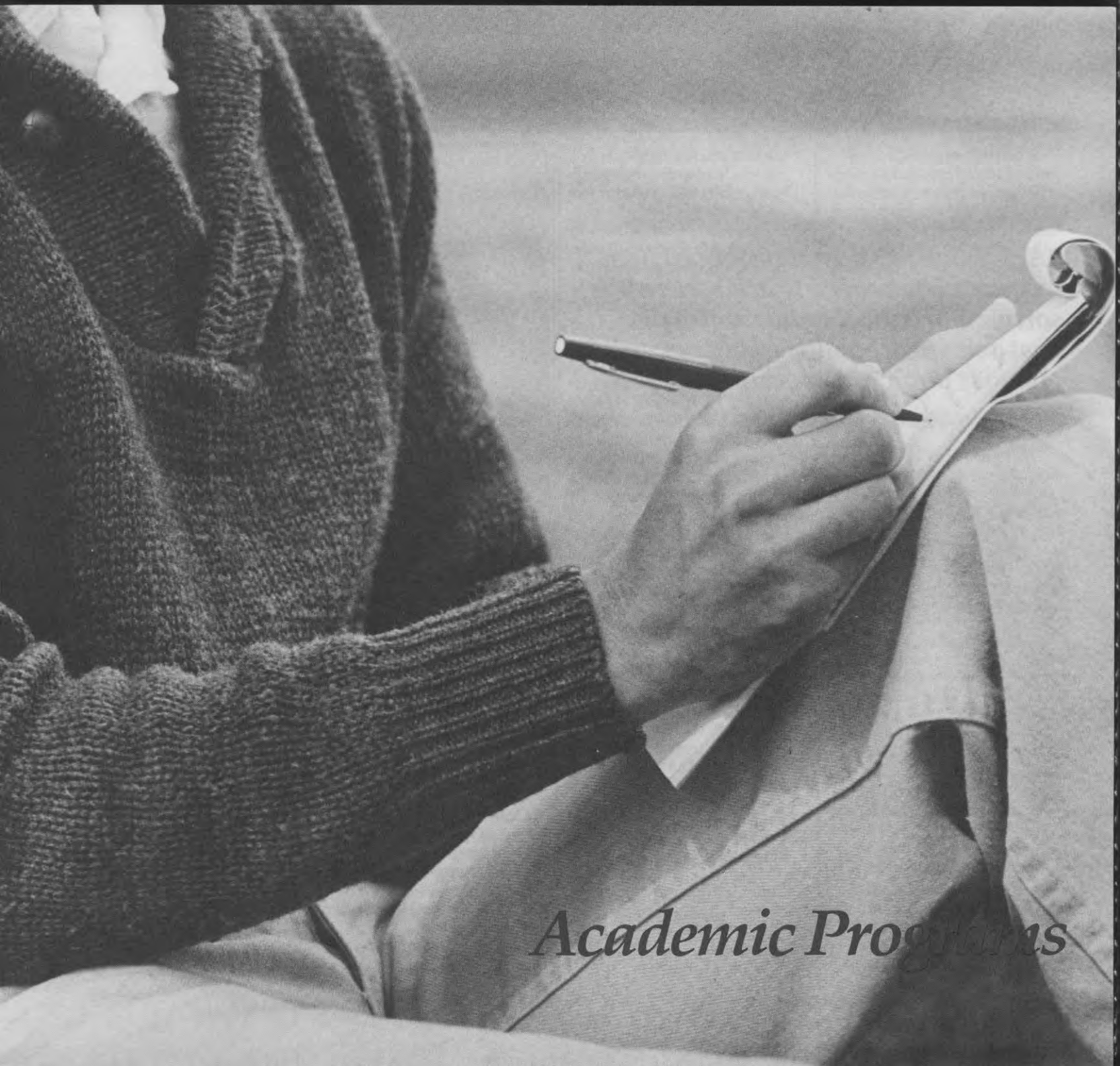
"What I have found most satisfying about Whitworth is that I feel challenged to learn not only in an academic sense, but beyond the classroom as well...about my values, lifestyle, relationships...myself."

"I feel uninhibited at Whitworth, there are people who like to be crazy just like me."

"This time of my life is filled with creativity and curiosity. With the people I've gotten close to—professors and students and friends—my ability to communicate ideas has sharpened."



"I thought I wanted to teach but I was undecided about my major (music, art, or drama?) Well I discovered that I could have a major to include all three to go with my elementary teaching! This has to be one of the neatest things about Whitworth. The teachers always make time for you if you're having a problem or need help in some specific area. This is why Whitworth has been so helpful to me as a college and why I'm still excited about learning."



Academic Programs

"Academics has been transformed from a passive intake of facts to an active sorting and critical evaluation of the vast amount of opinions and counter opinions thrown at us every day."

This section describes the educational programs at Whitworth College. These programs include majors in 17 departments, interdisciplinary areas of concentration, off-campus internships and foreign studies, graduate and lifelong learning opportunities, and career preparation programs.

You may choose a major or career emphasis from the following departments:

Biology
Business Management, Accounting, and Economic Studies
Chemistry/Nutrition Communication Studies (Journalism, Speech)
Earth Science
Education
English
Fine Arts (Art, Music, and Theatre Arts)
History/Political Studies
Mathematics/Computer Science
Modern Languages
Physics
Physical Education/Recreation
Psychology
Religion/Philosophy
Sociology

Or you may choose an Area of Concentration such as one of the following: (The department where requirements for graduation are listed for each of these interdisciplinary programs is shown in parentheses.)

The American Experience (History/Political Studies)
Arts Administration (Fine Arts)
Athletic Training (Physical Education)
Communication and Marketing (Communication)
Cross Cultural Studies (Modern Languages)
Education for Elementary Teachers (Education)
Environmental Studies (Biology)
Health Careers
Medical Records
Prenatal Hygiene
Premedical/Prenatal
Preoccupational Therapy
Prepharmacy
Prephysical Therapy
Industrial Management (Business)
International Business Communication (Modern Languages)
International Studies (History/Political Studies)
Music as Religious Expression (Fine Arts)
Pre-Law (History/Political Studies)
Pre-Ministry (Religion and Philosophy)

Public Affairs Communication (Communication)
Public Administration (History)
Public Relations (Communication)
Quantitative Economics (Business)

Or you may want to design your own area of concentration with the help of your faculty advisors.

You might also want to choose a program that is oriented toward a particular career such as teacher certification for elementary or secondary schools, the degree nursing program offered through the Intercollegiate Center for Nursing Education or involve yourself in the R.O.T.C. program. Independent Study, Research, Field Study and Internship opportunities are available in each department in addition to the courses listed on the following pages.

The programs and courses described in this section are those presently offered by the college. The college reserves the right to make curriculum changes.



PHILOSOPHY AND GOALS OF WHITWORTH'S EDUCATIONAL PROGRAM

Educational Philosophy

We believe that education must lead beyond content to competency and maturity. The components of Whitworth's educational philosophy are described here because they are the foundation of the kind of education one can expect to receive at Whitworth.

1. College is an experience designed to *prepare students for the future*. The college curriculum and program allow students to live and learn now the knowledge and perspectives which will provide competencies for leadership in the world of today and the future.

2. Undergraduate education today depends upon the *responsibility and initiative of the student*. Whitworth College is designed for students whose motivation includes significant intellectual growth and development. Our academic program and our community as a college depend upon the integrity and purpose of the individual student.

3. The academic program allows students to *start where they are*, in terms of their interest in the world of today, and leads them into academic disciplines. Matters of relevance and social concerns can be considered without a typical survey or introductory course as prerequisite. One element of the faculty responsibility is to provide continuing and comprehensive feedback to their students. A professor knows each student as an individual and communicates to each student an evaluation of his or her academic progress.

4. Academic excellence requires a healthy balance of *involvement in society* along with intellectual inquiry. Students are not sheltered from the exciting and perplexing world of the present or the future. Students are engaged in academic studies which go far beyond the campus.

5. Content knowledge is a basic means to the goal of liberal education, but not the goal itself; the goal is a *balanced development of the person*. We will not sacrifice personal, social, and spiritual growth in the process of intellectual growth, for each is indispensable to the other. Academic growth develops best on concert with personal responsibility, maturity, sensitivity, integrity, and commitment.

6. Christian higher education requires the *open and liberal pursuit of truth*. While maintaining a committed Christian faculty, our campus is genuinely open to representatives of other religions and other conflicting ideas so that our students will not be sheltered in their college education. Respect is shown students who have very different beliefs and values.

7. The *commitments and values of faculty members are not hidden*. Open expression of personal values by the faculty is insured so that students

can evaluate, agree, and disagree in a spirit of freedom and dialogue inherent to academic pursuit. The classroom remains an appropriate place for intellectual knowledge to be applied to practical and controversial issues.

Academic Goals

1. Knowledge of the important academic studies and issues dealing with the future of our society and the world.
2. Intellectual breadth gained from significant participation in the humanities, applied studies, fine arts, social sciences, behavioral sciences, life and physical sciences.
3. In-depth knowledge of at least one undergraduate academic discipline or area of intellectual knowledge.
4. Communication skills including writing, speaking, listening and reading.
5. Ability to locate and synthesize information.
6. Ability to apply knowledge, value judgments and critical thinking skills to the solution of problems.
7. Ability to understand and apply basic analytical-mathematical operations/scientific theory.

8. Awareness of one's own values, the relationship between values and behavior, and the process by which value commitments are made.

9. Awareness of the concentrating values of at least one other culture.

10. Understanding of the process of personal and social development and of the activities that contribute to continued individual growth.

11. Appreciation for the importance of personal health, and the development of a personal program of exercise and recreation that can be maintained throughout life.

12. Understanding of the development of civilization, including the historic role of Christianity.

13. Understanding of the Christian faith, its potential for changing lives, and its relevance to the world of today and the future.

14. Awareness of the problems and issues concerning human rights.



Course Requirements for Graduation

1. A major or area of concentration in one or more departments.
2. Communication: One of the following: EL 110 (Writing I), JR 125 (Reporting), SP 113 (Interpersonal Communication), SP 210 (Public Speaking), EL 210 (Writing II, by permission).
3. Core 150 and 250.
4. Foreign Language: two courses in the same language, two years of the same high school foreign language with a B average, or demonstrated proficiency.

5. Physical Education—PE 126, plus three (3) activity courses. Any activity courses above this requirement do not count toward graduation.

6. Fine Arts: One of the following: FA 101 (Introduction to the Fine Arts); one full course in art, music or theatre; four quarter courses in music performance.

7. Natural Science, Mathematics: One course each from two of the following areas: biology, chemistry, earth science, physics, mathematics. Math 101 does not fulfill this requirement.

8. Biblical Literature—one course.

9. Social Sciences—one course in economics, history, political studies, psychology or sociology.

10. Other Culture—one course taken in a foreign country, or an off-campus course dealing with a major American ethnic culture, or a designated cross-culture studies course taken on campus. Field studies or internships with significant attention to another culture may qualify with approval from the Director of Field Education. See also page 84.

11. Total Courses: 37 full courses plus physical education. Twelve upper division courses.

12. Residency: at least 8½ courses must be completed in residence at Whitworth College, including the last term senior year.

13. Writing Skills Requirement: Students who, by faculty evaluation, are shown to be deficient in writing skills, are required to enroll in certain appropriate courses or programs.

14. Grade Point Average—A student must accumulate a 2.00 average in (1) all Whitworth courses, (2) all college-level courses taken, including transfer work, (3) courses in the declared major or area of concentration.

Academic Credit and Evaluation

One course credit is equivalent to 5 qt. hours or 3½ semester hours. Some courses receive half or one quarter course credit.

Evaluation of course work is made in a variety of ways depending on the nature of the course. Early feedback is given to students so that there is opportunity to improve performance in courses. Final letter grades are given in most courses but some departments use writ-

ten evaluations in lieu of letter grades. Students may choose to take one pass/no credit course each year that they are in residence. Core courses, Education courses and courses included or required for majors cannot be taken pass/no credit.



BIOLOGY

FACULTY

Lee Ann Chaney, David L. Hicks, Howard M. Stien.
Chair: Dr. Hicks.

REQUIREMENTS FOR A BIOLOGY MAJOR

Bachelor of Arts (9 courses)

BI 151, 251, 261, five additional approved Biology courses, at least four upper division. Approved Chemistry course. BI 204, 220, 221 not applicable to this major.

Bachelor of Science (14 courses)

BI 151, 251, 261, 323 or 331, five additional approved Biology courses. Three approved Chemistry courses. Two approved Physics courses. BI 204, 220, 221 not applicable to this major.

REQUIREMENTS FOR BIOLOGY AS A SECOND TEACHING FIELD (5 courses)

BI 151, 251, 261, plus two approved upper division Biology courses.

REQUIREMENTS FOR AREAS OF CONCENTRATION:

Health Careers (Nursing, Pre dental, Pre dental Hygiene, Pre medical, Pre occupational Therapy, Pre pharmacy, Pre physical Therapy)

See Health Careers, page 72. Because requirements for professional schools vary, early contact with program advisor is strongly recommended.

COURSES

BIOLOGY

BI 103 HUMAN BIOLOGY

Full Course
The similarities and differences between humans and other animals as the foundation for discussions of the biological basis of humanness and culture, bioethical deliberations and concepts of the nature of persons.

BI 104 HUMAN ECOLOGY

Full Course
The relationships of persons to nature and the interfaces between ecology, ethics, economics, and society.



BI 105 PLANTS IN CULTURE

Full Course
Introduction to basic life processes of plants; contemporary and historical uses of plants.

BI 107 HUMAN ANATOMY AND PHYSIOLOGY

Full Course
The structure and function of major organ systems of interest to psychology and physical education students.

BI 151 BIOSCIENCE

Full Course
The molecular, cellular, and organismic diversity of living things and of the fundamental concepts which underlie and unify that diversity. Laboratory.

BI 204 MICROBIOLOGY

Full Course
The taxonomy, physiology and pathological reactions of microorganisms. Aseptic technique, culture and identification of bacteria. Laboratory. Prerequisite: CH 137.

BI 220 HUMAN ANATOMY

Full Course
A systematic study of the structure of the human body. Laboratory.

**BI 221
HUMAN PHYSIOLOGY**

Full Course

A study of the function of major organ systems of the body. Laboratory.

**BI 251
ANIMAL BIOLOGY**

Full Course

The structural, functional and behavioral adaptations of major animal phyla; laboratory.

**BI 261
PLANT BIOLOGY**

Full Course

The structural and functional adaptations of major plant phyla. Laboratory. Prerequisite: BI 151.

**BI 300
HISTOLOGY**

Half Course

Microscopic study of major tissues of vertebrates. Laboratory. Prerequisite: BI 251.

**BI 303
PLANT TAXONOMY**

Full Course

Rules of nomenclature; cytological, biochemical, and numerical methods of building classification systems; descriptive vocabulary and characteristics of common families of flowering plants; lab. Prerequisite: BI 151.

**BI 323
ANIMAL PHYSIOLOGY**

Full Course

Organism level homeostatic mechanisms in animals; lab. Prerequisite: BI 251, CH 261.



**BI 327
BIOLOGICAL
TECHNIQUES**

Half or Full Course

Techniques of value to professional biologists, including microtechniques, field study methods, photography, specimen collection and preservation, taxidermy, culture and maintenance of live organisms. Student interest and program demand will determine which technique will be offered; lab. Prerequisites: BI 251, BI 261.

**BI 331
PLANT PHYSIOLOGY**

Full Course

Absorption and transport, respiration, photosynthesis, nitrogen metabolism, growth regulation of green plants; lab. Prerequisites: BI 261, CH 261.

**BI 340
MARINE BIOLOGY**

Half Course

Field and marine laboratory study of intertidal organisms and habitats in Puget Sound. Scheduled every other spring vacation at Friday Harbor. Laboratories. Prerequisites: BI 251, BI 261.

**BI 341
BIOGEOGRAPHY**

Half Course

The distribution and diversity of plants and animals in major faunal and floral regions and the casual geologic, ecologic, genetic and evolutionary forces. Prerequisites: BI 251, BI 261.

**BI 343
SYMBIOTIC BIOLOGY**

Half Course

The structure, development and maintenance of inter-

specific symbiotic associations and their biological and evolutionary consequences. Prerequisites: BI 251, BI 261.

**BI 345
ENVIRONMENTAL
BIOLOGY**

Full Course

The structure and function of nature, population dynamics, nutrient cycles, energy flow, limiting factors and man's impact on environments; lab. Prerequisites: BI 251, BI 261.

**BI 347
ADVANCED
MICROBIOLOGY**

Full Course

Ultrastructure, metabolism and genetics of microorganisms, particularly bacteria and viruses; laboratory. Prerequisites: BI 151, CH 261.



**BI 350
COMPARATIVE
VERTEBRATE ANATOMY**
Full Course

Comparative and phylogenetic study of major structural adaptations of vertebrates; lab. Prerequisites: BI 251, BI 261.

**BI 351
ORNITHOLOGY**
Half Course

Evolution, migration and physiology of flight. Saturday field trips after Spring Vacation. Prerequisites: BI 251, BI 261.

**BI 353
MAMMALOGY**
Half Course

Evolution of major families, environmental adaptations; laboratory. Prerequisite: BI 251.

**BI 354
DEVELOPMENTAL
BIOLOGY**
Full Course

The development of form and function in organisms with attention to molecular, cellular and environmental factors regulating developmental sequences; lab. Prerequisite: BI 251, BI 261, CH 261.

**BI 363
GENETICS**
Full Course

Cellular and molecular genetic mechanisms modifying form and function and the relationship of hereditary variation and natural selection in

evolutionary processes. Prerequisites: BI 251, BI 261, CH 261.

**BI 367
ALGOLOGY**
Half Course

Distinguishing characteristics of major algal groups; laboratory. Prerequisite: BI 261.

**BI 369
MYCOLOGY**
Half Course

Distinguishing characteristics of major fungal groups; laboratory. Prerequisite: BI 261.

**BI 401
SEMINAR**
Half Course

Presentation and discussion of results of literature and laboratory investigations of biological phenomena. Prerequisites: BI 251, BI 261, plus three upper division biology courses.

**BI 412
BIOLOGY OF CELLS**
Full Course

Modern concepts of cell ultrastructure and molecular aspects of cell function. Prerequisites: BI 251, BI 261, BI 323 or 331, CH 261.

**BI 413
PLANT ANATOMY**
Full Course

Organ, tissue and cellular structure of vascular plants; origin and developments of major cell types; laboratory. Prerequisite: BI 261.

**BI 420
HISTORY OF BIOLOGY**
Half Course

Development and impact of major biological thought since 1500. Prerequisites: BI 251, BI 261 plus three upper division biology courses.

**BI 490
INTERNSHIP**
Full Course



BUSINESS MANAGEMENT, ACCOUNTING AND ECONOMIC STUDIES

FACULTY

Harry M. Dixon, William H. Payne, George E. Weber, William F. Yager.
Chair: Mr. Weber.

REQUIREMENTS FOR A BUSINESS MANAGE- MENT MAJOR (13 courses)

BU 138, 230, 231, 240, 332 or 334, 357, 374. EC 201, 202. Math 108, 175, 356.

REQUIREMENTS FOR AN ACCOUNTING MAJOR (17 courses)

BU 230, 231, 240, 332, 334, 335, 336, 357, 374, 434, 435, 466. EC 201, 202. Math 108, 175, 356.

REQUIREMENTS FOR A BUSINESS MANAGEMENT MINOR (6 courses)

BU 138, 230, 231, 374. EC 201 or 203. Math 108 (Intro to Matrices).

REQUIREMENTS FOR ECONOMICS AS A SECOND TEACHING FIELD (6 courses)

BU 230, 231. EC 201, 202, 301, 351.

REQUIREMENTS FOR AREAS OF CONCENTRATION:

Communication and Business, Communication and Marketing

See Communication Studies department.

Industrial Management (17 courses)

BU 230, 231, 332, 357, 374, 376. EC 201 or 203. Chemistry 151. Math 110, 111, 175 or 274.

Two approved courses in Physics. Four approved courses in Natural Science beyond the introductory level.

International Business Communication

See Modern Languages department.

Quantitative Economics (14 courses)

BU 230, 231. EC 201, 202, 301, 309, 465. Math 110, 111, 175, 210, 330, 356, 373.

COURSES

BUSINESS

BU 110 INTRODUCTION TO BUSINESS

Full Course

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

BU 138 MARKETING

Full Course

Socially responsible product development, promotion, distribution, advertising, pricing and assessment of external influences on the total marketing program. Spring.

BU 220/420 MANAGEMENT OF PERSONAL FINANCIAL AFFAIRS

Full Course

Practical information in the handling of personal business affairs. Career planning, insurance (life, health, property), home buying or renting, stocks, bonds and real



estate as investments, estate planning. No prerequisites. Jan Term.

**BU 230
BASIC ACCOUNTING I**
Full Course

A study of the fundamental processes of accounting applied to services and merchandising proprietorships. Analyzing, classifying and recording business transactions, preparation of financial statements. Fall.

**BU 231
BASIC ACCOUNTING II**
Full Course

Accounting processes as they apply to partnerships and corporations. Modern corporate organization, operation, financing. Accounting for manufacturing concerns, tax accounting, budgeting. Prerequisite BU 230. Spring.

**BU 240
BUSINESS LAW**
Full Course

A consideration of the laws affecting business transactions. Introduction to law, contract law, creation and operation of agencies, nature and law of sales. Prerequisite: sophomore standing. Spring.

**BU 325
ORGANIZATIONAL
BEHAVIOR**
Full Course

A study of human processes in the context of organization. Motivation, individual behavior in groups and within

an organization, leadership style, human needs, decision making, communication, conflict, stress, social responsibility. May term.

**BU 332
COST ACCOUNTING**
Full Course

Emphasis on accounting for planning and control. Cost behavior and volume-profit relationships, responsibility accounting, standard costs, flexible budgets, relevant costs for non-routine decisions. Prerequisite BU 230 and 231 or permission. Spring.

**BU 334, 335
INTERMEDIATE
ACCOUNTING I, II**
Full Courses

Modern accounting theory and practice. Analysis underlying the determination of income and asset evaluation. Interpretation of accounting data for managerial purposes. New A.I.C.P.A. guidelines. Prerequisite BU 230 and 231 or permission. Fall, spring.

**BU 336
INTRODUCTION TO
TAXATION**
Full Course

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

**BU 350
CONTEMPORARY
MANAGEMENT ISSUES**
Full Course

Contemporary social, political, environmental and ethical forces affecting today's business world. Seminar format. Dialogue with top local business, government and union leaders. Prerequisite: Junior standing.

**BU 357
FINANCIAL
MANAGEMENT**
Full Course

Analysis of role of chief financial officer. Mastery of the tools of financial analysis and decision making. Stocks, bonds and loans, management of internal funds. Prerequisite BU 230 and 231. Fall.

**BU 363
SMALL BUSINESS
MANAGEMENT**
Full Course

Market opportunities, managerial skills needed, financing alternatives, sales programs. Getting started. Prerequisite: BU 230 or permission.

**BU 373
HUMAN RESOURCES
MANAGEMENT**
Full Course

Areas of management related to obtaining and maintaining effective human resources. Discussion, speakers, and actual cases. Jan. Term.

**BU 374
PRINCIPLES OF
MANAGEMENT**
Full Course

Functions of the general manager. Planning, organizing, activating, controlling. Case analysis, classroom experiences, and field trips. Fall.

**BU 376
OPERATIONS
MANAGEMENT**
Full Course

Decision-making about operating capacity, process technology, composition size, management of work force. Exploration of some quantitative tools used in making these analyses and decisions. Prerequisite Math 101 or 108. Fall.

**BU 410
BUSINESS POLICY**
Full Course

Capstone course for business majors. Functions of marketing, operations, finance, from the strategic vantage point of the general manager. Case studies. Spring.

**BU 411
ACCOUNTING THEORY**
Full Course

History and development of concepts, measurement and structure of accounting theory beyond the quantitative approach. Standards review and updating and case studies in accounting ethics and social responsibilities. Prerequisite BU 334. January term.



**BU 434, 435
ADVANCED
ACCOUNTING**

Full Courses

Advanced topics such as consolidation, price-level changes, governmental accounting. Prerequisite four terms of accounting, Fall, spring.

**BU 466
PRINCIPLES OF
AUDITING**

Full Course

Standards, objectives and ethics for public auditors. Reporting standards, internal control, evidence, statistical sampling. E.D.P. audits. Prerequisite BU 334 or permission.

COURSES

ECONOMICS

**EC 201, 202
PRINCIPLES OF
ECONOMICS**

Full Courses

General nature of our economy, determination of national income levels, our money and banking system, monetary and fiscal policies, theory of the firm, distribution of income. Application of economic theory to current national problems. Fall, spring.

**EC 203
ECONOMICS TODAY**

Full Course

An orientation to our

economic system and its problems. Prerequisite: sophomore standing.

**EC 301
MONEY AND BANKING**

Full Course

Nature, functions and regulations of money and credit. Review of the financial institutions which control domestic and international monetary policy. Prerequisite: BU 230, EC 201, 202, junior standing. Spring.

**EC 309
INTERMEDIATE
ECONOMIC ANALYSIS**

Full Course

Microeconomics course providing a summary of contemporary economic theory at the intermediate level. Emphasis on value and distribution theory. Prerequisite EC 201, 202.

**EC 351
ECONOMIC HISTORY OF
THE UNITED STATES**

Full Course

A study of the growth of the American economy from its European roots and difficult beginnings on the eastern seaboard to its present status as the largest and most productive economy in world history.

**EC 465
HISTORY OF ECONOMIC
DOCTRINE**

Full Course

A study of the lives and ideas of the great economic thinkers, from the pre-Christian era to the present.



CHEMISTRY/NUTRITION

FACULTY

Robert D. Bocksch, Isla Rhodes, Robert S. Winniford, Rachel Wang.
Chair: Dr. Bocksch.

REQUIREMENTS FOR CHEMISTRY MAJOR

Bachelor of Arts (10½ courses)

CH 151, 153, 261, 323, 357 (¼ course), 482 (¼ course), plus three approved Chemistry electives including one Physical Chemistry course. Math 110 (Calculus I). Physics 151, 153.

Bachelor of Science (16 ¾ courses)

CH 151, 153, 261, 263, 272, 323, 357 and 358 (¼ courses), 482 (¼ course), plus three approved Chemistry electives including two Physical Chemistry courses. Math 110, 111. Physics 151, 153. Three electives from any science department. German recommended.

REQUIREMENTS FOR A NUTRITION AND FOODS MAJOR (17 courses)

Required core courses

NF 131, 301, 361, 362, 403, 490 (Internship). Biology 204, 220, 221. Econ 203 (Economics Today). Two of the following: Sociology 120, 251,

Psychology 201.

Recommended: Education 350, Math 356 (Statistics).

Track I—Basic Nutrition

NF 371. Chemistry 133, 137. Business 230 (Accounting), 373 (Human Resources Mgmt).

Track II—Community and World Nutrition

NF 371. Chemistry 137, 151. Political Studies 425. Sociology 385. Recommended: Bus 373, Pol St 151, Soc 251, 327.

Track III—Professional Nutrition

Chemistry 151, 153, 261, 263, Bus 373 (Human Resources Mgmt). Recommended: Math 175, Chemistry 408.

REQUIREMENTS FOR CHEMISTRY AS A SECOND TEACHING FIELD (5 courses)

Five courses approved by Chemistry Department chair.

PRE-ENGINEERING CURRICULUM

See Physics for particulars.

AREAS OF EMPHASIS IN CHEMISTRY (19¼ courses)

Required core courses

CH 151, 153, 261, 323, 482 (¼ course), plus three approved Chemistry electives including one Physical Chemistry

course. Math 110, 111. Physics 151, 153. Three free science electives.

Analytical Chemistry Emphasis

CH 440, 441. Physics 251, 373. Biology 204 (Microbiology).

Biochemistry Emphasis

CH 408, 440. Biology 204, 354 or 412, plus Physiology (Human, Animal, or Plant).

Organic Chemistry Emphasis

CH 408, 433, 440, 484. Biology 204 (Microbiology).

Physical Chemistry Emphasis

Additional Physical Chemistry course. Math 210, 212, 330. Physics 251.

REQUIREMENTS FOR AREAS OF CONCENTRATION

Health Careers

Premedical/dental, Preoccupational Therapy, Premedical Technology, Prephysical Therapy, Predental Hygiene, Prepharmacy, Nursing—see Health Careers section, page 72.

Industrial Management

See Department of Business Management, Accounting and Economics.

Chemical Physics, Geophysics, Environmental Protection

These and other Areas of Concentration can be designed with the advice of the Chemistry faculty.

COURSES

CHEMISTRY

CH 133 INTRODUCTORY GENERAL CHEMISTRY

Full Course
Relatively non-theoretical, designed for one-term exposure. Fundamental principles, concepts. Laboratory experience. Fall.

CH 137 INTRODUCTORY BIOCHEMISTRY

Full Course
Concepts, vocabulary of biochemistry. Basic organic principles, fundamental chemistry of lipids, carbohydrates, proteins, metabolism. Laboratory techniques. Prerequisite: CH 133 or 151 or equivalent. Spring.

CH 151 PRINCIPLES OF CHEMISTRY I

Full Course
General inorganic chemistry, foundation for further coursework. Laboratory experience stressing qualitative analysis. Prerequisite: high school chemistry and algebra courses. Fall.

CH 153 PRINCIPLES OF CHEMISTRY II

Full Course
Continuation of CH 151. Such concepts as equilibria, solubility, pH. Laboratory experi-



ence, predominantly quantitative. Spring.

**CH 261
ORGANIC
CHEMISTRY I**

Full Course

Fundamental concepts, molecular structure, reactions. Theoretical concepts as an aid to understanding of complex reactions. Laboratory experience, including basic instrumentation. Prerequisite: CH 151 and either 137 or 153. Fall.

**CH 263
ORGANIC
CHEMISTRY II**

Full Course

Organic compounds and reactions, emphasis on

aromatic chemistry, polyfunctionality, natural products. Complex synthetic processes. Laboratory experience in synthesis, structure determination. Prerequisite CH 261. Spring.

**CH 272
MODERN CHEMICAL
PROBLEMS**

Full Course

Principles, practices of modern chemistry applied to a problem of student's own choosing. Laboratory solution of problem, under faculty guidance. Prerequisite: CH 261 or permission. January.

**CH 323
ANALYTICAL
CHEMISTRY**

Full Course

Measurement of quantity of specific substances present in variety of common materials. Methodologies, inherent errors, anticipated accuracies. Volumetric, gravimetric techniques, some instrumentation. Prerequisite: CH 153.

**CH 331
CHEMISTRY OF
POLLUTION**

Full Course

Chemical processes, substances involved in the problems of maintaining a clean environment. Lectures, field trips, literature study. Prerequisite: CH 137 or 261. Alternate years, January.

**CH 343
PHYSICAL CHEMISTRY
OF COLLOIDS AND
SURFACES**

Full Course

Mathematical interrelationships of size and surface area applied to practical problems. Prerequisite CH 153 and Mathematics 110. On demand.

**CH 357, 358
PHYSICAL CHEMISTRY
LABORATORY I, II**

Quarter or Half Courses

Experiments related to kinetics, molecular structure, physical properties, thermodynamics, selected in conference with instructor. Reporting of laboratory

work. Prerequisite CH 153, one 200-300 level Chemistry course with laboratory.

**CH 371
BIOPHYSICAL
CHEMISTRY**

Full Course

Physical chemistry related to understanding of living systems. Chemical energy, reaction rates, equilibrium, solution and colloid phenomena. Prerequisite CH 153, 261, calculus, general physics. Lecture only. Spring.

**CH 373
ATOMIC AND
MOLECULAR
STRUCTURE**

Full Course

Basic quantum mechanical concepts, atomic and molecular orbitals, hybridization, crystal structure, complex ion theory and structure. Symmetry theory, spectroscopy. Lecture only. Prerequisite CH 153, Mathematics 110, Physics 153 or permission. Fall.

**CH 408
ADVANCED
BIOCHEMISTRY**

Full Course

Chemistry of metabolism, theories of modern biochemical analysis, use of modern organic mechanisms and structural concepts for prediction, understanding of biochemical reactions. Separation and identification of compounds, interrelationships of molecules in natural

systems. Prerequisite CH 263, Biology 151, or permission. Alternate years, Fall 1982.

**CH 411
SCIENTIFIC
GLASSBLOWING**

Quarter Course
Basic manipulative techniques in making, repairing scientific glassware. By permission.

**CH 413
PHYSIOLOGICAL
CHEMISTRY**

Full Course
Chemistry of physiological processes. Biochemical concepts used for understanding of function of living organisms. Prerequisite CH 263.

**CH 433
PHARMACOLOGICAL
CHEMISTRY**

Full Course
Chemistry of drugs, drug action in organism. Organic chemistry of drug design, synthesis, response. Prerequisite CH 263.

**CH 440
INSTRUMENTAL
ANALYSIS**

Full Course
Principal methods of obtaining chemical data through the use of modern instruments. Prerequisite CH 153, 261; 383 recommended.

**CH 441
CLINICAL CHEMISTRY**

Full Course
Methodologies of detection and measurement of clinically significant substances in the human organism. Applications to human health. Laboratory experience including colorimetry. Prerequisite CH 153, 261 or permission.

**CH 482
SEMINAR**

Quarter Course
Discussion of current chemical topics. Guest lectures, attendance at local scientific meetings. By permission.

**CH 484
ADVANCED ORGANIC
CHEMISTRY**

Full Course
Special topics in organic chemistry theory and laboratory. Prerequisite CH 263. Offered on demand.

**CH 494, 495, 496
RESEARCH IN
CHEMISTRY**

Half or Full Courses
Student pursuit of laboratory problem of fundamental interest, under direct guidance of faculty member. Work of a publishable nature is generally required. By permission.



"This time of my life is filled with creativity and curiosity. With the people I've gotten close to—professors and students and friends—my ability to communicate ideas has sharpened."

NUTRITION AND FOODS

NF 131 FOOD PREPARATION

Full Course

Art of cooking foods and having them at their best. Rationale for certain methods, and their variations and alternatives. Laboratory experience.

NF 301 QUANTITY FOODS, PRODUCTION AND MANAGEMENT

Full Course

Menu planning, sanitation, food preparation in a quantity food format. Service, costing, purchasing, recipe adjustment. Practical experience in college food service. Prerequisite NF 131.

NF 361 NUTRITION

Full Course

Thorough investigation of the nutrients and their functions in body. Separation of fact from fallacy in the myriad of ideas concerning human nutrition. Meets science graduation requirement.

NF 362 MEAL MANAGEMENT

Full Course

Time, money and equipment management in the preparation of family meals. Analysis of entire meals including nu-

tritional value. Laboratory experience. Prerequisite NF 131 and NF 361.

NF 371 NUTRITION FOR THE LIFE CYCLE

Half Course

Nutritional needs for individuals according to their age and special physiological conditions. Focuses on pregnant and lactating women, infant and young child, and the aged. Prerequisite NF 361.

NF 403 ADVANCED NUTRITION

Full Course

The nature of nutrients as they enter the body system and perform their biochemical function, and why these nutrients are vital to optimum health. Integration with concepts of cellular nutrition to study specific needs of specialized tissue systems of the body. Prerequisites Chemistry 137 and NF 361.



COMMUNICATION STUDIES

FACULTY

Karen Dalton, Thomas Kirkpatrick, William Stewart.
Chair: Dr. Kirkpatrick.

REQUIREMENTS FOR A COMMUNICATION MAJOR (11 courses)

JR 125, 215 or 347. SP 113, 210. Seven additional approved Communication courses, including a field study or internship.

REQUIREMENTS FOR A JOURNALISM MAJOR (11 courses)

JR 125, 236 or 242, 336 or 362, 347, 400, 480 or 490 (Field Study/Internship), plus two approved Journalism electives. SP 113 or 210, plus one approved Speech elective. Also a minimum of two terms as staff member of an official student publication or the campus radio station.

REQUIREMENTS FOR A SPEECH COMMUNICATION MAJOR (11 courses)

SP 113, 210, 223, 362, 394, 412, 480 or 490 (Field Study/Internship), plus two approved Speech electives. JR 215 or 347, plus one approved elective.

REQUIREMENTS FOR A SECOND TEACHING FIELD (5 courses)

(Journalism) JR 125, 215, 236 or 242, plus two approved electives.

(Speech Communication) SP 113, 210, 223, plus two approved electives.

REQUIREMENTS FOR AREAS OF CONCENTRATION

Communication and Marketing (16 courses)

JR 125, 236 or 242, 244, 336 or 362, 480 or 490. Art 120, 220 (Design I, II). Business 138, 230, 376. Economics 203. Five additional courses chosen from at least two of the following areas: Art, Business/Economics, Journalism, Speech Communication.

Public Affairs Communication (16 courses)

JR 125, 215, 244, 336 or 362, 480 or 490. SP 210. Political Studies 102, 242, 371, 445. Soc 265 (Urban Communities). Five additional courses in Journalism, Political Studies, Sociology, or Speech Communication.

Public Relations (16 courses)

JR 125, 236 or 242, 244, 336 or

362, 458, 480 or 490. Art 120 (Design). Business 138, 374. Economics 203. Five additional courses from at least two of the following areas: Art, Business/Economics, Journalism, Psychology, Speech Communication.

Religious Communication (16 courses)

JR 125, 215 or 347, 236 or 242. SP 113, 210, 223, 480 or 490. Religion 183, 231, 241, 245 or Philosophy 251. Five additional courses from at least two of the following areas: Journalism, Psychology, Religion, Speech Communication, Theatre Arts.

Communication and Business (16 courses)

JR 125, 236 or 242. One of the

following: JR 215 (taken for upper division credit), 347, 400. One upper division Journalism elective. SP 113, 210, two upper division Speech Communication electives. Business 138, 230, 231, 374. Econ 201 or 203. Math 175 or 356. Two of the following: Business 105, 240, 325, 350, 357, 363, 373.

International Business Communication

See Modern Languages.

Broadcast Communication, Business Communication, Organizational Communication

May be arranged in consultation with department.



COURSES

JOURNALISM

JR 125 NEWS WRITING AND REPORTING

Full Course

News values, creativity in writing, perception and observation, news research, interviewing, principles of readability. Print and broadcast journalism. Fall.

JR 215 MASS COMMUNICATION AND SOCIETY

Full Course

Role and influence of print, broadcast media, motion picture, public relations, advertising, book publishing, public discourse.

JR 236 BROADCAST PRODUCTION

Full Course

Technical aspects of broadcast journalism. program production, tape/film production and editing, video camera techniques, station management. Prerequisite: JR 125 or permission. Alternate years, Spring 1983.

JR 242 EDITING

Full Course

Evaluation, editing of various forms of print communication. Copyreading, revision, headlines, copyfitting, typog-

raphy, page layouts. Spring. Prerequisite: JR 125 or permission.

JR 244 PUBLICITY AND PUBLIC RELATIONS

Full Course

Role and effect of publicity, public relations in American life. Public relations process, public opinion polling. Development, evaluation of public relations programs. Alternate years, Fall 1982.

JR 245 APPLIED JOURNALISM: WHITWORTHIAN

Variable Credit

Staff work on college newspaper. Fall, Spring.

JR 246 APPLIED JOURNALISM: RADIO

Variable Credit

Staff work on college radio station. Fall, Spring. Fee in addition to tuition.

JR 247 APPLIED JOURNALISM: YEARBOOK

Variable credit

Staff work on college yearbook. Fall, Spring.

JR 336 BROADCAST PERFORMANCE

Full Course

On-air aspects of broadcast journalism. Announcing, interview and discussion skills, program planning and design, video camera experience, FCC regulations. Pre-



requisite: JR 236. Alternate years, Spring 1984. Fee in addition to tuition.

JR 347 HISTORY OF COMMUNICATIONS

Full Course

Evolution of various forms of communication: print and broadcast media, motion picture, public discourse. Alternate years, Fall 1982.

JR 362 ARTICLE AND FEATURE WRITING

Full Course

Editorial writing, interpretive and critical writing, magazine writing, writing for publication. Alternate years, Fall 1982. Prerequisite JR 125.

JR 400 COMMUNICATION LAW AND ETHICS

Full Course

Libel, right of privacy,

copyright, other legal areas. Ethical problems, role and influence of codes of ethics. Alternate years, Fall 1983.

JR 445 EDITORIAL PRACTICUM

Variable Credit

Editorial work on college newspaper or yearbook. Fall, Spring. Prerequisite: JR 245 and appointment to editorial position.

JR 446 BROADCAST MANAGEMENT PRACTICUM

Variable Credit

Management work on college radio station or cable television. Prerequisite: JR 246 and appointment to management position.

**JR 458
ADVANCED PUBLIC
RELATIONS**

Full Course

Case study approach to complex public relations problems. Prerequisite JR 244. Alternate years, Fall 1983.

**JR 485
ADVANCED
JOURNALISM**

Full Course

Advanced reporting and seminar projects dealing with such topics as literature of journalism, photojournalism, communication graphics, cable television. May be repeated for credit. Alternate years, Spring 1983. Prerequisite: JR 236 or 242.

SPEECH

**SP 113
INTERPERSONAL
COMMUNICATION**

Full Course

Language, nonverbal communication, perception, self-concept, feedback, listening, interpersonal barriers. In-class exercises, reading, discussion. Fall, Spring.

**SP 210
INTRODUCTION TO
PUBLIC SPEAKING**

Full Course

Verbal and nonverbal delivery, audience analysis, speech organization and research. Experience in delivering speeches.

**SP 223
SMALL GROUP
COMMUNICATION**

Full Course

Theoretical and practical look at group communications, process. Decision making, problem solving, conflict management.

**SP 311
NONVERBAL
COMMUNICATION**

Full Course

Research, theory of elements other than words that may impact communication. Appearance, proxemics, touch, para-language, environment, body rhythms, cultural comparisons.

**SP 322
ADVANCED PUBLIC
SPEAKING**

Full Course

Theory and practice of public speaking. Student development of series of presentations on current issue. Speaking practice. Prerequisite SP 210.

**SP 362
PERSUASION AND
DEBATE**

Full Course

Audience analysis and adaptation, motivation, attitude change, ethical considerations, practical applications. Fundamentals of debate, including extensive practice in debate.

**SP 394
SEMINAR IN
COMMUNICATION
ISSUES**

Full Course

Special topics in communication such as managing conflict, organizational and mass communication, group leadership, family communication.

**SP 412
COMMUNICATION AND
LANGUAGE**

Full Course

Study of language and its role in human communication. Theories of semantics. Language origination, acquisition, experiments. Language of war, related topics.

**SP 494
RESEARCH SEMINAR**

Full Course

Introduction to doing communication studies research using social scientific methods.



EARTH SCIENCE

FACULTY

Edwin A. Olson

Gary Paukert

Chair: Dr. Olson

REQUIREMENTS FOR AN EARTH SCIENCE MAJOR

Bachelor of Arts (12 courses)

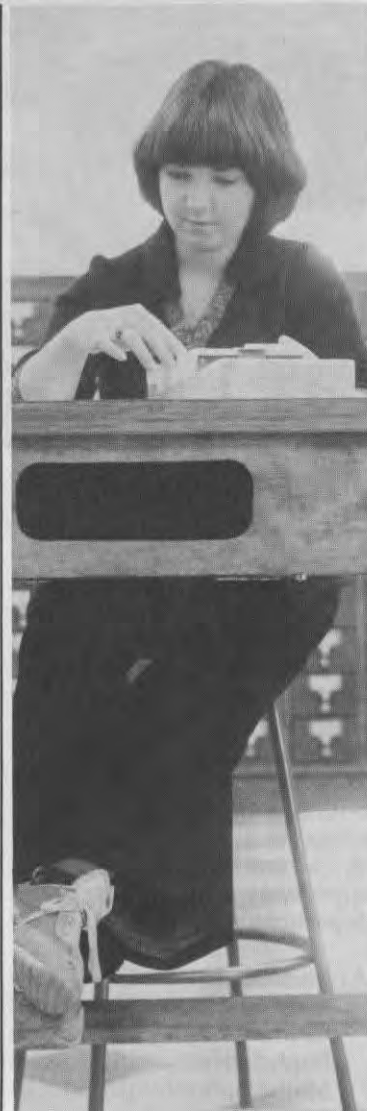
ES 131, 150, 222, 314, 333. Required summer field course, not offered at Whitworth, to be taken at another college.

Two approved courses in Physics, one course in Mathematics, one in Biology, one in Chemistry, plus one approved science elective.

Bachelor of Science (16 courses)

ES 131, 222, 314, 322, 325, 333, summer field course, plus one approved Earth Science elective.

Two approved courses in Physics, two in Chemistry, three in Mathematics, and one in Biology.



COURSES

EARTH SCIENCE

ES 131 PHYSICAL GEOLOGY

Full Course

Earth's crust as the scene of a battle between leveling forces (erosion, landslides) and forces causing irregularities (volcanoes, mountain-building). Lab work with minerals, rocks and maps. Fall.

ES 150 INTRODUCTION TO ASTRONOMY

Full Course

Nature and origin of solar system, star light and star life, components and structure of a galaxy, the expanding universe and cosmology.

ES 222 ROCKS AND MINERALS

Full Course

Chemistry and physics of minerals and their use in mineral identification. Nature, origin and utility of rocks. Prerequisite ES 131 or permission. Spring.

ES 314 STRUCTURAL GEOLOGY

Full Course

Large and small-scale rock structures and their modes of origin. Response of rocks to crustal forces. Mapping techniques. Solving problems of earth geometry. Prerequisite ES 131, Physics 151.

ES 322 IGNEOUS AND METAMORPHIC PETROLOGY

Full Course

Nature and origin of igneous and metamorphic rocks. Examination of outcrops, hand specimens, thin sections. Prerequisite ES 222 and a college-level Chemistry course.

ES 325 PHYSICS AND CHEMISTRY OF THE EARTH

Full Course

Seismology, geomagnetism, gravity, terrestrial heat balance, chemistry and physics of the oceans and atmosphere, meteorites and cosmochemistry. Prerequisite college-level courses in Physics, Chemistry, Calculus.

ES 333 STRATIGRAPHY AND EARTH HISTORY

Full Course

Methods and results of studying stratified rocks for their information about life and environments of the past. Introduction to paleontology. Prerequisite ES 131.

EDUCATION

FACULTY

David Albert, William Anderson, Martin Faber, Denise Fehler, Herbert Heger, Paul Jackson, Margo Long, Diane Murphy, Tammy Reid, Shirley Richner
Chair: Dr. Richner

The Education department is accredited by the National Council for Accreditation of Teacher Education and all certification programs are approved by the Washington State Office of the Superintendent of Public Instruction.

REQUIREMENTS FOR CERTIFICATION

A total of 13 courses in a content major (or an eight course major and approved five course second teaching field) in a subject(s) commonly taught in the public schools. Note: certification requirements are subject to change. Therefore all teaching fields *must* be approved by the Education department. Admission to both upper division coursework and student teaching must be approved by the Education department.

Additional requirements for Elementary Certification

ED 205, 212, 306, 387, 410, 420, 421, 426, 496.

Math 221 (Theory of Arithmetic).

One of the following methods courses: ED 424, Art 353, Music 340, PE 345.

Additional requirements for Secondary Certification

ED 205, 212, 308, 332, 401, 461, 484, 497 or 498.

A methods course in the major.

Students with majors or second teaching fields in History or Social Studies must take History 485.

Music majors take Music 440 or 442 instead of ED 332 and 461.



REQUIREMENTS FOR ELEMENTARY EDUCATION AREAS OF CONCENTRATION (14 courses)

Completion of elementary certification requirements as listed above.

Fourteen courses (at least five upper division) in one of the following focus areas. Note: certification requirements are subject to change. Therefore all teaching fields must be approved by the Education department.

A. Basic School Disciplines

Courses selected from English, History and Mathematics.

B. Social Science

Courses selected from Economics, History/Political Studies, Psychology, Sociology.

Ten full courses must be in one or two of these departments, with the balance being made up of no more than two courses in a single area.

C. General Science

Courses selected from Biology, Chemistry, Earth Science, Mathematics and Physics.

Ten full courses must be in one or two of these departments, with the balance made up of no more than two courses in a single area.

D. Liberal and Human Arts

Courses selected from Art, Communication Studies, English, Music and Theatre Arts.

Ten full courses must be in one or two of these departments, with the balance being made up of no more than two courses in a single area.

E. Physical and Liberal Education

Courses selected from Physical Education/ Recreation and other liberal arts fields.

Five full courses must be in Physical Education/ Recreation, five in another academic department, and the balance in consultation with the Education department.

F. Special Needs Learner and the Liberal Arts

Five full courses in special education, five in a single academic department, and the balance in consultation with the Education department.

COURSES**EDUCATION****ED 205
MODERN AMERICAN
EDUCATION**

Full Course

Firsthand experience in the public schools with classroom learning about goals, philosophies, special problems facing education today. Student self-evaluation of teaching potential. Prerequisite sophomore standing. Fall, Spring.

**ED 212
GROWTH AND
LEARNING**

Full Course

Total person (spiritual, intellectual, emotional, psychological, physical) as related to human growth and development, educational psychology. Self-concept, value development, responsible behavior. Fall, Spring.

**ED 306
ELEMENTARY METHODS
AND SOCIAL STUDIES
CURRICULUM**

Full Course

Introduction to the theories and practices of elementary teaching. Focus on social studies curriculum and methods. Teacher behavior in the classroom as it relates to assessing, directing and managing the student's educational experience.

**ED 308
MATERIALS AND
METHODS IN
SECONDARY SCHOOLS**

Full Course

Current trends in secondary education. Learning theory, instructional objectives and strategies, classroom interaction, discipline, unit and lesson planning. Prerequisite ED 205, 212. Fall, Spring.

**ED 332
LEARNING RESOURCES**

Half Course

Design and utilization of resources. Basic principles of communication, instructional design. Commonly used audiovisual equipment. Fall, Spring.

**ED 350
EARLY CHILDHOOD
DEVELOPMENT**

Full Course

Young child from conception through age six. Physical/motor, social, emotional, intellectual, speech development. Experience in child care center, preschool, or kindergarten. Films, guest speakers, discussions. Fee.

**ED 366
INTRODUCTION TO
SPECIAL EDUCATION**

Full Course

Survey of field of special education, past and present. Focus on etiology of the handicapped and the effect of PL-94-142. Prerequisite: ED 205 and junior standing.

**ED 387
METHODS OF TEACHING
READING**

Full Course

Process of reading, teaching of reading skills, subskills. Competency based. Includes experience in diagnosing reading difficulties, assessing remediation, planning and implementing lessons. Fall, Spring.

**ED 401
PRINCIPLES OF
GUIDANCE**

Half Course

Guidance function as it relates to the classroom teacher. Counseling rationale, problem situations, effective interpersonal skills. Fall, Spring.

**ED 410
SEMINAR IN
ELEMENTARY
EDUCATION**

Half Course

Study of general teaching skills. Discussion of mainstreaming, ITIP, classroom management, disciplining, school law, political pressures, AV methods. Fall, Spring.

**ED 412
INTRODUCTION TO
EARLY CHILDHOOD
EDUCATION**

Full Course

Current theories, materials, strategies. Lab experience. Prerequisite: ED 350 recommended.

ED 416
READING IN THE
SECONDARY SCHOOL

Full Course

See English (EL 416) for course description.

ED 420
READING IN THE
ELEMENTARY SCHOOL

Half Course

Components of reading, teaching. Methods, materials, approaches in preparation for student teaching.

Fall, Spring.

ED 421
ARITHMETIC IN THE
ELEMENTARY SCHOOL

Half Course

Current trends in elementary math. Psychological, philosophical views of Piaget, Brunner, Skinner as a basis of curriculum construction, design. Student development of projects, materials. Fall, Spring.

ED 424
GENERAL SCIENCE IN
ELEMENTARY AND
JUNIOR HIGH SCHOOLS

Half Course

New commercial science programs, current curricular organization, philosophy. Review of texts, kits. Lesson plans, mini-lessons, project development. Laboratory experience. January Term.



ED 426
LANGUAGE ARTS IN THE
ELEMENTARY SCHOOL

Half Course

Current trends. Student development of projects, materials involving thorough modern language arts communication skills.

Fall, Spring.

ED 461
EDUCATIONAL
MEASUREMENT AND
EVALUATION

Half Course

Principles of test construction, development of classroom evaluation program. Use of standardized tests. Fall, Spring.

"At Whitworth, we are educating for a reason—our task is to educate people who will help create a world in which life can be good and meaningful for all people."

ED 467
SPECIAL EDUCATION:
DIAGNOSIS AND
ASSESSMENT

Full Course

Skills in identifying learning deficiencies at the classroom level. Diagnostic tests, other assessment tools. Establishment of basis for remediation of learning.

ED 468
SPECIAL EDUCATION:
CURRICULUM AND
RESOURCES

Full Course

Materials for education of the handicapped and for remediation of learning deficiencies. Resources available in the profession, at urban, rural district levels.

ED 469
MAINSTREAMING AND
ALTERNATIVE
PROGRAMMING
STRATEGIES

Full Course

Development and teaching of a remediation program based on diagnosis of deficiencies and knowledge of resources. Includes writing individual education plans.

ED 484
SEMINAR IN
SECONDARY
EDUCATION

Full Course

Taken directly prior to the student teaching experience. Principles of teaching, classroom management, discipline. Use of videotape. Prerequisite ED 205, 212, 308.

ED 494
DIRECTED TEACHING,
SPECIAL EDUCATION

ED 496

DIRECTED TEACHING,
ELEMENTARY LEVEL—
 Three Full Courses

ED 497

DIRECTED TEACHING,
JUNIOR HIGH LEVEL—
 Three Full Courses

ED 498

DIRECTED TEACHING,
SENIOR HIGH LEVEL—
 Three Full Courses

ENGLISH

FACULTY

Lewis Archer, Laura Bloxham, Phil Eaton, William Woolum, Linda Hunt, Leonard Oakland. Chair: Prof. Oakland.

REQUIREMENTS FOR AN ENGLISH MAJOR

Basic Literature Track (12 courses)

EL 125, 205, 207, 354, 498, plus one level III literature seminar. Six additional English courses including at least two level III literature seminars (one each in American and British literature). Only one of these six courses may be from level I.

Writing Track (12 courses)

EL 125, 205, 207, 245, 304, 345, 346, 354, 498, plus one level III literature seminar and one course in contemporary literature. Also one of the following: an additional writing course (English or Journalism), repeat of a writing course at a higher level, TA in English department, or an internship.

Teaching Language and Literature (14 courses)

Note: certification requirements are subject to change. Therefore, all teaching fields *must* be approved by the Education department. EL 125, 205, 207, 354, 388, 389, 416, 453, plus three literature courses, two of which must be upper division. One Journalism course. Also two of the following: EL 245, 304, 345, 346, 395. Elementary teachers may substitute courses in creative dramatics, children's literature, oral interpretation, or mime for EL 389 and/or 416.

Teaching English, with a Second Field (14 courses)

Note: certification requirements are subject to change. Therefore, all teaching fields *must* be approved by the Education department. EL 125, 205, 207, 354, 388, one level III literature seminar, and one of the following: EL 245, 304, 345, 346, 395. Also EL 389 or Educ 426. For secondary certification: Educ 416. For elementary certification: EL 301 or any course in oral interpretation or reading disorders. Second teaching field:

five courses chosen in consultation with the Education department.

REQUIREMENTS FOR ENGLISH AS A SECOND TEACHING FIELD (K-12 Certification) (5 courses)

EL 125, 301 or 389, 388, one writing course beyond EL 110, one level II or III literature elective.

REQUIREMENTS FOR A LITERATURE MINOR (6 courses)

EL 125 plus five approved English electives including at least two level III literature seminars. At most one level I course in addition to EL 125.

REQUIREMENTS FOR AN ENGLISH MINOR (6 courses)

Courses as approved in advance by department faculty member.



COURSES

ENGLISH

**EL 103
DEVELOPING WRITING
SKILLS**

Half Course

Workshop format. Individual attention. Fall, Spring.

**EL 110
WRITING I**

Full Course

Full range of writing, from personal essay to argumentative paper. Grammar as a resource tool. Fall, Spring.

**EL 125
INTRODUCTION
TO LITERATURE**

Full Course

Fiction, drama, poetry. Initial course for majors.

Fall, Spring.

**EL 181
WRITING
COLLEGE PAPERS**

Quarter Course

Aids to competency in research and writing. Use of the library, reference material, organization in preparation for writing, mechanics of writing and footnotes.

Fall, Spring.

**EL 205
AMERICAN LITERATURE:
ERAS AND MODES**

Full Course

Major figures of American literature, contact with every major literary period. Preparation for further study in this area at the upper division

level. Prerequisite EL 125.

Fall, Spring.

**EL 207
BRITISH LITERATURE:
ERAS AND MODES**

Full Course

Overview of the major periods of British literature. Representative works, characteristics of Medieval, Renaissance, Neo-classical, Romantic, Victorian, Modern periods. Prerequisite EL 125. Fall, Spring.

**EL 210
WRITING II**

Full Course

Continuation of topics in EL 110. By permission.

**EL 212
RELIGIOUS THEMES
IN MODERN LITERATURE**

Full Course

Camus, Hesse, C.S. Lewis, Kesey, T.S. Eliot, Salinger, others. Searching, finding, sharing, writing candidly about one's own religious experiences, perceptions.

**EL 213 (113)
MYTHS AND
FAIRY TALES**

Full Course

Classic myths, fairy tales of Western literature. Use of myths, fairy tales by modern writers. For modern adult readers.

**EL 233
LITERATURE OF THE
WESTERN WORLD**

Full Course

A close reading of the great epics of Homer, Virgil, Dante. Study of myths and epic structure.

**EL 245
CREATIVE WRITING**

Full Course

Short fiction, autobiography, drama, poetry. Teacher, class as resources, critics.

**EL 250
THE MOVIES**

Full Course

Basic film terms, film history. Evaluation of acting, theme, visual elements. Viewing and discussion of eight to ten films.

**EL 251
MODERN WORLD
LITERATURE**

Full Course

Kafka, Camus, Kazantzakis, others. Short fiction and novels. Themes such as artist and society, third world, effect of war and violence, alienation.

**EL 262, 362
THE BIBLE AS LITERATURE**

Full Course

Reading the Bible as a literary artifact. Use of literary criticism and its varied approaches. Hero stories, prophetic oracles, history, myth, fiction, apocalypse, poetry, biography.

**EL 300
DOMAIN OF
THE ARTS**

Full Course

Exploration of drama, poetry, dance, music, art, film on location in San Francisco. The arts in relation to society, values, faith. January.

**EL 301
EXPLORING CHILDREN'S
LITERATURE**

Full Course

Evaluation of a broad range of literature for children. Use of literature in the classroom and other group situations.

**EL 304
FICTION WRITING**

Full Course

Theory and form of fiction writing. Critique of works by instructor and class. Narration, description, dialogue, summary, plot, conflict and tension, resolution, fiction modes. Fall.



**EL 305
CONTEMPORARY
AMERICAN POETRY**

Full Course
Thorough study of recent poems by several contemporary poets. Warren, Levertov, Hugo, Levine, Snyder, Hall, others.

**EL 323
AMERICAN LITERATURE
OF
THE 1920's**

Full Course
Fiction and drama of Faulkner, Fitzgerald, Hemingway, the Harlem Renaissance, other writers. Style, characterization, the Jazz Age. Prerequisite: EL 205.

**EL 325
LITERATURE AND
CULTURE OF FRANCE**

1¼ Course
Focus on French classicism and romanticism. Visits to museums, literature to be read before departure. Part of study tour to France, every three years. Spring 1983, 1986.

**EL 333
LITERARY ENGLAND**

1¼ Course
Lives and works of authors prior to visiting their homes and regions. Arthurian legends, Shakespeare, Milton, Wordsworth, Keats, Brontes, others. Daily journal. Part of study tour to England, every three years. Fall 1984.

**EL 345
WORKSHOP IN POETRY
WRITING**

Full Course
Advanced course in poetry composition, revision. Reading of current poems, essays on the creative process. By application, portfolio.

**EL 346
ESSAY WRITING**

Full Course
Advanced course for students with some experience in writing. Revising, polishing of prose works. Experimentation with various modes, tones, audiences. Fall, Spring.

**EL 349
TWENTIETH CENTURY
AMERICAN LITERATURE**

Full Course
Major American novelists, dramatists, essayists from post World War I to the present. Cultural issues, characterization, style, nature of the American experience.

**EL 354
SHAKESPEARE**

Full Course
Understanding and enjoyment of Shakespeare's comedies, history plays, tragicomedies, tragedies. Emphasis on tragedy: *Hamlet, King Lear*. Fall.

EL 362 See EL 262

**EL 371
LITERATURE OF
THE BRITISH
RENAISSANCE**

Full Course
16th and 17th century England. More, Spenser, Sidney, sonneteers, Marlowe, Donne, Herbert, Johnson, Herrick, Bunyan, introductory Milton, others.

**EL 375
VICTORIAN POETRY**

Full Course
Major Victorian poets: Tennyson, Browning, Hopkins. Non-fiction prose: Carlyle, Arnold, Newman. Major themes, social history.

**EL 376
BRITISH
ROMANTIC POETS**

Full Course
Six Romantic poets: Blake, Wordsworth, Coleridge, Shelley, Keats, Byron. Their dominance of literature in an age of revolutions: American, French, industrial. Some attention to art of the period, especially Blake.

**EL 377
MODERN POETRY**

Full Course
Deals with revolution in poetry in America in first half of this century. Pound, Williams, Stevens, Cummings. In-depth study of T.S. Eliot. Post-Modernist reaction to the revolution.

**EL 384
LITERARY CRITICISM**

Full Course
Writing critical papers on literature. Study of differing critical perspectives. Major critical statements and theories. Upper division standing required.

**EL 388
DEVELOPMENT
AND STRUCTURE
OF THE ENGLISH
LANGUAGE**

Full Course
Designed for prospective teachers. History and development of our language. Sources and reasons for current English forms. Review of traditional grammar, exposure to various new grammars. Spring.

**EL 389
METHODS OF TEACHING
ENGLISH IN SECONDARY
SCHOOLS**

Full Course

Transition from college English major to high school English teacher. Presentation of literature, language, composition in simulated classroom. Use of videotape. Spring.

**EL 405
CHAUCER AND
MEDIIEVAL LITERATURE**

Full Course

Study of Middle English to read Chaucer's *Troilus & Criseyde*. Emphasis on *Canterbury Tales*. Several medieval romances.

**EL 412
DRAMA SEMINAR**

Full Course

Readings of the great plays from Aeschylus to the present. Theme, plot, characters.

**EL 416
READING IN
THE SECONDARY
SCHOOL**

Full Course

Teaching students how to learn, guiding learning in specific content areas. Practical approach, directed toward upper elementary and secondary teachers. Specific classroom-tested methods.

**EL 453(345)
INTRODUCTION
TO LINGUISTICS**

Full Course

Science of language. Pronunciation, rhythm, intonation, acoustic nature of speech. Course progresses toward more conceptual aspects of language. Fall.

**EL 454
RUSSIAN LITERATURE**

Full Course

Fiction of the 19th and 20th centuries. Turgenev, Gogol, Dostoevsky, Tolstoy, Soviet authors.

**EL 455
MILTON**

Full Course

Literary, theological, autobiographical approaches, special emphasis on *Paradise Lost*.

**EL 465
ENGLISH NOVEL**

Full Course

Rise of novel in 18th century through classic novels of the 19th and fiction of the early 20th century.

**EL 498
SENIOR PROJECT**

Full Course

Capstone experience to English major. Research paper, writing portfolio, senior performance. Designed with instructor, class. Fall.



FINE ARTS

FACULTY

Art: Walter Grosvenor, Pauline Haas, Henry Lyman, Shelley Rothschild, Mardis Thoreson, Gordon Wilson

Music: Richard Evans, Milton Johnson, Shirley Richner, George Ross, Thomas Tavener, Michael Young.

Theatre Arts: Albert Gundersen, Pat Stien

Ensembles and Private Lessons: Leon Atkinson, Ray Ball, John Baker, Sylvia Baker, Norman Bellas, Barbara Cantlon, Gale Coffee, Barbara Curtis, Helen dela Fuente, Andrew Ferriante, John Fritz, Paul Halversen, Mike McGuire, Barbara Novak, Larry Jess, Roger Logan, Maurine Kalk, Linda Siverts, Mary Van Voorhis, Rosemary Waldrop
Chair: Dr. Evans

REQUIREMENTS FOR AN ART MAJOR

Painting/Drawing/Sculpture Track (12½ courses)

AR 101, 120, 201, 210, 235, 320, 360, 361, 363, 460, 499 (½ course). Also three of the following: AR 130, 202, 211, 255, 310, 335, 355, 410, 455, Indep. Study.

Craft Track (13½ courses)

AR 101, 120, 150, 320, 360, 361, 363, 460, 499 (½ course), plus one course in a craft other than student's specialty. Also four of the following: AR 140, 141, 240, 245, 252, 253, 340, 345, 440, Indep. Study.

Art Education Track (13 courses)

Note: certification requirements are subject to change. Therefore, all teaching fields *must* be approved by the Education department. AR 101, 120, 150, 320, 360, 361, 363, 370, 460, Indep. Study in Art Education, Teaching Asst. (½ course). Also three approved electives, including one each in painting and ceramics.

Art History Track (13 courses)

AR 101, 120, 262, 320, 360, 361, 363, 460, Indep. Study in Art History (2 courses), Thesis/Aesthetics. Also two approved courses in English, History, Music, Philosophy, Religion, or Theatre.

REQUIREMENTS FOR A MUSIC MAJOR (minimum of 12½ courses)

All music programs are accredited by the National Association of Schools of Music.

MU 110, 111, 112, 113, 210, 211, 212, 213, 225, 301, 302, plus two full courses in ensembles and 1½ full courses in private lessons.

Certification: Elementary: MU 440, 443, 447, and two of the following: MU 230, 231, 331, 332.

Secondary with vocal emphasis: MU 442, 443, 447, and three of the following: MU 230, 231, 331, 332.

Secondary with instrumental emphasis: MU 230, 231, 331, 332, 442, 444, 447.

Kindergarten through 12th grade: MU 230, 231, 331, 332, 440, 442, 443, 444, 447.

Note: certification requirements are subject to change. Therefore, all teaching fields *must* be approved by the Education department. All Education requirements other than ED 332 and 461 *must* also be met for *all* teaching certificates.

Areas of Emphasis: Studies in Performance, Composition, Church Music, Jazz, etc. may be arranged in consultation with advisor.



REQUIREMENTS FOR A THEATRE ARTS MAJOR (12 courses)

TA 231, 270, 273, 279, 476, 477, 494. Two of the following: TA 145/445, 250, 255, 274, 335, 371. Two of the following: music lessons (voice), PE 116 or 216, 139, 143 or 243. Three of the following: TA 255, 271, 277, 300, 332, 334, 335, 338, 361, 373, 481, 482, Indep. Study, Internship, English 354, 412.

REQUIREMENTS FOR ART AS A SECOND TEACHING FIELD (6 courses)

AR 101, 120, 360, 361, plus two approved electives.

REQUIREMENTS FOR AREAS OF CONCENTRATION:

Arts Administration (7 courses)

Business 230, Journalism 244, Math 175, Psych 241. One of the following: AR 360, FA 101, Soc 251, TA 476, 477. Applied lessons in art, music, or theatre. An internship with an organization with an established business status. This area of concentration is designed to be pursued in conjunction with an academic major, which constitutes the required supporting coursework.

Music as Religious Expression (14½ courses)

MU 112, 113, 210, 211, 225, 302, 303, 440, 443, Indep. Study in Hymnology, one full course each in private lessons and ensembles. Religion 231 or 241, 242 or 245, 272, 320, 372, 387, plus one 300-level Biblical literature course. Also one approved religion elective. One Education course.

COURSES

FINE ARTS

FA 101 INTRODUCTION TO THE FINE ARTS

Full Course
Integrates the disciplines of Art, Music, Theater and Dance into an examination of the fine arts experience. Elements, media, expressiveness.

ART

AR 101 DRAWING I

Full Course
Development of visual perception and skills through use of various materials, techniques, subject matter and strategies.

AR 120 (107) DESIGN I

Full Course
Studio problems involving the use of elements and principles of design. Emphasis on two-dimensional experiences. Line, form, color, texture, space.

AR 130 (150) PHOTOGRAPHY I

Full Course
Use of the 35mm camera and basic darkroom techniques. The photograph as art. Camera necessary.

AR 140 (174) CERAMICS (THROWING)

Full Course
Emphasis on wheel, throwing, trimming, decoration, glazing, kiln operation, clay making.

AR 141 CERAMICS (HAND BUILDING)

Full Course
Off wheel techniques in ceramic production. Pinch, coil, slab, mold. Claymaking, glaze, kiln operation.

AR 145 LEADED GLASS I

Full Course
Development of basic glass. Glass cutting, fitting, soldering. Use of lead came. Copper foil technique. Construction of at least two glass panels.

AR 150 INTRODUCTION TO CRAFTS

Full Course
Study of three or four crafts media to discover their unique expressive potentials. Possible areas: jewelry, papermaking, bookbinding, stitchery, enameling.

AR 160 (100) INTRODUCTION TO VISUAL ART

Full Course
Art as it affects and is affected by man. Role of art in the environment through field trips, lab experiences, visual aids.

AR 182 (120) CHRISTIAN ART

Full Course
Traditional and contemporary Christian art and symbolism. Design and execution of artworks in this area.

AR 201, 301, 401 ADVANCED DRAWING

Full Course
Advanced problems in drawing techniques and composition. Emphasis on development of personal drawing style. Prerequisite AR 101. Fee.



AR 202, 302, 402
FIGURE DRAWING

Full Course

Study of the human form as subject matter. Anatomy, portraiture, figure as used in compositional design. Prerequisite AR 101. Fee.

AR 210, 310, 410
(221, 321, 421)

PAINTING

Full Course

Oils or acrylics. Composition, color theory. Techniques and approaches to painting problems. Advanced classes emphasize content, form, and development of a personal style. Prerequisite; AR 101, 120.

AR 225, 325
LETTERING

Full Course

Basic skills in letter construction and spacing between letters. Use of both pen and brush.

AR 230, 330, 430
(250, 350, 450)

ADVANCED
PHOTOGRAPHY

Full Course

Advanced techniques. Prerequisite: photography course at preceding level.



AR 235
PRINTMAKING I

Full Course

Basic course in working with multiples. Silk screen block printing, assembligraphs, collographs. Identification of prints, matting and presentation.

AR 240 (274)
CERAMICS
(FORM AND DESIGN)

Full Course

Design as related to ceramic objects. Brush design.

AR 245 (239)
LEADED GLASS II

Full Course

Emphasis on design and quality craftsmanship. Skill development in three dimensions—candle boxes, lamps, terrariums, jewelry boxes.

AR 251 (233)
WEAVING AND CONSTRUCTION TECHNIQUES IN FIBERS
 Full Course

Fiber techniques such as loom and off-loom weaving, soft sculpture, basketry, macrame. Exploration of three-dimensional forms and contemporary expressions.

AR 252 (236)
BATIK
 Full Course

Design elements and techniques of batik process using progressive wax resist and dye applications. Experimentation.

AR 255, 355, 455
(284, 384, 484)
SCULPTURE
 Full Course

Techniques and fundamentals of sculptural composition. Figurative, abstract problems. Prerequisite: AR 101 or 120.

AR 262
HISTORY OF NON-WESTERN ART
 Full Course

Aesthetic concepts and visual expressions of various non-western civilizations. Africa, Asia, native cultures of the Americas and South Pacific.

AR 320 (307)
DESIGN II
 Full Course

Elements and principles of design as related to three-dimensional problems. Experimentation in a variety of materials. Prerequisite: AR 101 or 120.

AR 335
PRINTMAKING II
 Full Course

Traditional and contemporary techniques used in etching, lithography. Prerequisite: AR 101 or 120.

AR 340 (374)
CERAMICS (PRODUCTION AND GLAZE)
 Full Course

Studio work in the development of a personal style. Formulation of new glazes, kiln firing, tool making. Prerequisite: AR 140 or 141.

AR 345 (339)
LEADED GLASS III
 Full Course

Additional skills with glass. Etching, sandblasting, slumped and fused glass, faceted glass, painting on glass. Prerequisite: AR 145, 245.

AR 353 (336)
BATIK AND SURFACE DECORATIONS OF TEXTILES
 Full Course

Textile media such as batik, tie-dye, discharge, blue-printing, block printing, silk screening.

AR 360 (355)
ART HISTORY I
 Full Course

Development of visual arts in the Western world. Pre-historic through Gothic. Slide lecture, discussion.

AR 361 (356)
ART HISTORY II
 Full Course

Continuation of AR 360. Early Renaissance to contemporary.

AR 363
HISTORY OF CONTEMPORARY ARTS AND CRAFTS
 Full Course

Survey of the wide range of traditional, non-traditional, and experimental media and techniques employed by contemporary artists and craftspersons to create unique visual expressions.

AR 370 (353)
ELEMENTARY ART METHODS
 Half Course

Media and projects, and their use in the elementary classroom. Emphasis on process, not product. Creativity.

AR 435
PRINTMAKING III
 Full Course

Advanced methods. Prerequisite: AR 235 or 335.

AR 440 (474)
CERAMICS (ARCHITECTURAL)
 Full Course

Design, construction, firing and sale of large wall murals.

AR 445 (439)
LEADED GLASS IV
 Full Course

Advanced glass techniques. Prerequisite: AR 345.

AR 460 (440)
SEMINAR
 Full Course

Contemporary art ideas in a variety of media. Presentations by faculty, local artists. Research, discussion, critiques. Prerequisite: sophomore standing.

AR 499
SENIOR PROJECT (EXHIBITION)
 Half Course

Required of all majors in Painting/Drawing/Sculpture or Craft Track.

MUSIC**MU 110 (121)
MUSIC THEORY I**

Full Course

Notation, scale structure, voice leading, simple harmonic progressions. Fall.

MU 111, 113, 211, 213 (123, 124, 223, 224)**EAR TRAINING I, II, III, IV**

Quarter Courses

Ear training, sight singing. Taken concurrently with corresponding Music Theory course.

**MU 112 (122)
MUSIC THEORY II**

Full Course

Seventh chords, inversions, nonharmonic tones, modulations, altered chords, complex chord progressions. Prerequisite MU 110. Spring.

MU 113—See MU 111.

**MU 201
INTRODUCTION TO
MUSIC LITERATURE**

Full Course

Major developments within each of the major stylistic periods from the Middle Ages to the present. Composers and their works, terminology and forms, concepts, research and resources. Spring.

**MU 210 (221)
MUSIC THEORY III**

Full Course

Continuation of topics in MU 112. Prerequisite MU 112. Fall.

MU 211—See MU 111.

**MU 212 (222)
MUSIC THEORY IV**

Full Course

An introduction to contemporary harmonic idioms. Prerequisite MU 210. Spring.

MU 213—see MU 111.

**MU 220 (177)
BEGINNING
COMPOSITION**

Half Course

Study of musical works with regard to relevant compositional points. Exploration of music writing for specific combinations of instruments and/or voices. Prerequisite MU 112 or permission.

**MU 225 (257)
GENERAL
CONDUCTING**

Half Course

Basic techniques including baton use, utilization of left hand for expressive purposes. Score reading, transposition. Prerequisite MU 112. Fall.

**MU 230 (236)
WOODWIND
TECHNIQUES**

Half Course

Techniques, materials, concepts, application of scoring. Alternate years, Fall 1983

**MU 231 (237)
BRASS TECHNIQUES**

Half Course

Techniques, materials, concepts, application of scoring. Alternate years, Spring 1984.

**MU 301 (361)
MUSIC HISTORY I**

Full Course

Musical styles, forms, composers from ancient to contemporary. Lectures, reading, score analysis, coordinated listening. Prerequisite MU 112. Fall.

**MU 302 (362)
MUSIC HISTORY II**

Full Course

Continuation of topics in MU 301. Spring.

**MU 310 (371)
FORM AND ANALYSIS**

Full Course

Study of selected scores, implication from textural, rhythmic, melodic, harmonic, formal points of view. Student performance included. Prerequisite MU 212 or permission. Spring.

**MU 330 (348)
PIANO TECHNIQUES**

Half Course

Techniques, materials, methods, concepts. Alternate years, Fall 1982.

**MU 331 (337)
STRING TECHNIQUES**

Half Course

Techniques, materials, methods, application of scoring. Alternate years, Fall 1982.

**MU 332 (338)
PERCUSSION
TECHNIQUES**

Half Course

Techniques, materials, methods, application of scoring. Alternate years, Spring 1983.

**MU 340 (330)
ELEMENTARY
CLASSROOM MUSIC
METHODS**

Half Course

Procedures, materials for teaching music in the self-contained elementary classroom. Designed for nonmusic majors.

**MU 383 (316)
JUNIOR RECITAL**

Variable Credit

Music majors only. Departmental approval required.

**MU 410 (442)
COUNTERPOINT**

Full Course

In-depth exploration of fugue, invention forms. J.S. Bach, selected contemporary composers as illustrations. Student construction of fugue, invention based on Bach's models.

**MU 427
ADVANCED
CONDUCTING**

Half Course

Advanced baton technique, score reading, orchestration concepts and practical experience.

**MU 440 (433)
MUSIC METHODS IN THE
ELEMENTARY SCHOOL**

Half Course

Procedures, materials for elementary school music teaching. For music majors, minors who may become elementary music specialists. Teaching, observation of lessons, performance organization.

**MU 442
SECONDARY MUSIC
METHODS**

Half Course

Exploration of all aspects of secondary school music teaching. Includes actual teaching experience.

**MU 443
CHORAL TECHNIQUES
AND MATERIALS**

Half Course

Techniques, problems in choral conducting, rehearsal procedure. Choral literature. Spring.

**MU 444 (446)
INSTRUMENTAL
METHODS AND
MATERIALS**

Half Course

Rehearsal techniques, instrumental literature and



materials, marching band techniques, program utilization. Spring.

**MU 483 (416)
SENIOR RECITAL**

Variable Credit

For music majors with performance emphasis only. Prerequisite MU 383.

**CLASS LESSONS
(113,114)**

Quarter Courses

(Class instruction. Limited to eight students per section. Fee in addition to tuition. Fall and Spring.)

**MU 140, 240
BEGINNING,
INTERMEDIATE CLASS
GUITAR**

**MU 141
CLASS PIANO**

**MU 142
CLASS VOICE**

**MU 143
CLASS JAZZ
IMPROVISATION**

PRIVATE LESSONS

(110, 111, 112, 210, 211, 212, 310, 311, 312, 410, 411, 412)

Quarter Course

(Available to all Whitworth students. May be repeated for credit at the same level. Fee in addition to tuition. Special policies for January Term lessons.)

**MU 150, 250, 350, 450
PRIVATE ACCORDIAN**

**MU 151, 251, 351, 451
PRIVATE BANJO**

**MU 152, 252, 352, 452
PRIVATE BRASS**

**MU 153, 253, 353, 453
PRIVATE GUITAR**

**MU 154, 254, 354, 454
PRIVATE HARPSICHORD**

**MU 155, 255, 355, 455
PRIVATE ORGAN**

**MU 156, 256, 356, 456
PRIVATE PERCUSSION**

**MU 157, 257, 357, 457
PRIVATE PIANO**

**MU 158, 258, 358, 458
PRIVATE STRINGS**

**MU 159, 259, 359, 459
PRIVATE VOICE**

**MU 160, 260, 360, 460
PRIVATE WOODWINDS**

**MU 161, 261, 361, 461
PRIVATE JAZZ
IMPROVISATION**

**PERFORMANCE
ENSEMBLES**

(181, 182, 183, 281, 282, 283, 381, 382, 383, 481, 482, 483)

Quarter Course

(Available to all Whitworth students. May be repeated for credit at the same level. Selected January Term offerings.)

**MU 170, 270, 370, 470
CHAMBER ENSEMBLE**

By permission. Performance in a small vocal or instrumental ensemble.

**MU 171, 271, 371, 471
CHOIR**

By audition. Works of all periods, a capella and accompanied. Annual tour.

**MU 172, 272, 372, 472
ORATORIO**

Large-scale choral works with orchestra. Open to entire college community.

**MU 173, 273, 373, 473
WIND ENSEMBLE**

By audition, permission. Primarily original works for wind ensemble. Annual tour.

MU 174, 274, 374, 474
JAZZ ENSEMBLE

By audition. All jazz styles.
 Tours with Concert Band.

MU 175, 275, 375, 475
MADRIGALS

By audition. Literature ranging from traditional madrigals and chansons to contemporary compositions. Primarily a cappella.

MU 176, 276, 376, 476
ORCHESTRA

By audition, permission.
 Open to students, community. Orchestra reads major symphonic works, presents a concert each long term.

MU 177, 277, 377, 477
PEP BAND

Plays at basketball games.
 Directing experience for selected student directors.

MU 178, 278, 378, 478
SINFONIETTA

Adjunct to the orchestra, performing chamber literature and touring with the Choir.

MU 179, 279, 379, 479
JAZZ CHOIR

By audition.

THEATRE ARTS

TA 130, 230, 330, 430
PRIVATE LESSONS

Quarter or Half Courses
 Individual instruction with members of the Theatre Arts faculty. Fall, Spring.

TA 145, 245, 345, 435
THEATRE PRODUCTION

Half Course
 Instruction in the many aspects of theatre from sets and lights to on-stage performance. Involvement in a major production. Repeatable for credit to a maximum of two full courses. Fall, Spring.

TA 230—See TA 130.

TA 231
ORAL INTERPRETATION
 Full Course

The art of making literature come alive. Vocal expressiveness in communicating ideas, feelings from the printed page. Applied to short stories, novels, poems, plays. Fall, Spring.

TA 245—See TA 145.

TA 250
INTERPRETERS THEATRE
 Full Course

This is Theatre of the Mind. Selection, editing, presentation of literature with delineated characters in group reading. Use of voice and body to suggest atti-

tudes, emotions, action.
 Public performance.

TA 255
STORY THEATRE

Full Course
 Combines art forms of Interpreters Theatre and Pantomime. Adapting and performing stories for varied audiences.

TA 270
STAGE MAKEUP

Half Course
 Techniques in application of stage makeup.

TA 271
RELIGIOUS THEATRE

Full Course
 Study of art forms suitable for worship including formal, informal theatre. Evaluation of materials, selection, staging, performance.

TA 273
ACTING

Full Course
 Experience in application and control of the sensory and emotional aptitudes, the essential instrument of the actor. Fall.

TA 274
CHILDREN'S THEATRE

Full Course
 Children's theatre as dramatic productions and the available literature. Practical experience in casting, rehearsal, performance. Also technical participation in scenery, costuming. By audition.

TA 277
MIME

Full Course
 The Theatre of Silence. A study of mime techniques leading to performance.

TA 279
VOICE FOR THE PERFORMER

Full Course
 Identifying and overcoming vocal abuse and faulty articulation habits, which are barriers to creative expression. Spring.

TA 300
THEATRE STUDY IN LONDON

Full Course
 January term in London, England attending theatre performances and seminars.

TA 330—see TA 130.

TA 332
ORAL INTERPRETATION OF CHILDREN'S LITERATURE

Full Course
 Effective presentation of children's literature to audiences including both adults and children. Selection of stories, poems appropriate for various developmental levels. Prerequisite: TA 231.

TA 334
ADVANCED ORAL INTERPRETATION

Full Course
 Continued training of voice and body for mental and emotional responsiveness to

literature requiring advance skills of analysis and presentation. Alternate years. Prerequisite: TA 231.

**TA 335
CHORIC DRAMA**

Full Course
Disciplined vitality and creativeness given to choral reading. Use of fine literature, classical and contemporary. By audition.

**TA 338
ORAL INTERPRETATION
OF BIBLICAL LITERATURE**

Full Course
Effective communication of Scripture and other literature with sacred themes. Of particular interest to prospective ministers and church workers. Prerequisite: TA 231.

**TA 361
FUNDAMENTALS OF
DIRECTING**

Half Course
The technical aspects of directing: blocking, emphasis of characters, icturization, composition, rhythm. By permission of instructor. Alternate years.

**TA 362
APPLIED DIRECTING**

Half Course
Application of directing techniques in the selection, casting, rehearsing and performance of a one-act play for public production.

**TA 371
RELIGIOUS THEATRE
PRACTICUM**

Full Course
Application of principles of religious theatre through formal performance. By audition.

**TA 373
STORYTELLING AND
CREATIVE DRAMATICS**

Full Course
Art of creative dramatics, and how to share it with children. The creative process.

TA 430—see TA 130.

**TA 433
THEATRE ARTS FOR THE
CLASSROOM TEACHER**

Full course
Application of Theatre Arts techniques in the classroom—elementary and secondary.

TA 445—See TA 145.

**TA 476
HISTORY OF THEATRE:
GREEK TO MEDIEVAL**

Full Course
The literature and manner of presentation of Greek, Roman, Medieval theatre. Alternate years, Fall 1981.

**TA 477
HISTORY OF THEATRE:
RENAISSANCE TO
MODERN**

Full Course
Study of theatrical contributions of Italian, French, Spanish, English Renaissance to Modern Theatre. Alternate years, Spring 1982.

**TA481, 482
PROJECTS IN THEATRE
ARTS**

Half Courses
Individually arranged projects.

**TA 494
SENIOR PERFORMANCE**

Full Course
Final requirement for TA major. By audition.



HISTORY/POLITICAL STUDIES

FACULTY

Homer F. Cunningham, R. Fenton Duvall, Garland A. Haas, James B. Hunt, Bruce Murphy, Daniel Sanford, Mark Valeri, John Yoder.
Chair: Dr. Sanford.

REQUIREMENTS FOR A HISTORY MAJOR (13 courses)

HP 100, HI 220, 222, 460 or 488.

Three of the following courses in American history: HI 131, 132, 235, 320, 351, 357, 363, 367, 375, 381, 485.

Two of the following courses in European history: HI 354, 355, 356, 374, 377, 424.

Two of the following courses in Comparative or non-Western history: HI 245, 325, 340, 445, 455.

Two elective courses in History.

One major research paper.

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

Internship strongly recommended.

REQUIREMENTS FOR TEACHING HISTORY WITH AN UNRELATED SECOND TEACHING FIELD (15 courses)

HP 100, HI 220, 222, 460, PO 102.

Two courses in American history (for teaching in Washington, one of these courses must be HI 485).

One course in European history.

Two courses in Comparative or non-Western history.

At least three history courses must be at the upper division level.

Also five courses in an approved second teaching field.

Note: certification requirements are subject to change. Therefore, all teaching fields *must* be approved by the Education department.

REQUIREMENTS FOR TEACHING HISTORY WITH A RELATED SECOND TEACHING FIELD (Political Studies, Sociology, Psychology, English, Economics) (13 courses)

HP 100, HI 220, 222, 460.

Two courses in American history (for teaching in Washington, one of these courses must be HI 485).

Two courses in European, Comparative or non-Western history. Also five courses in an approved related second teaching field.

REQUIREMENTS FOR A POLITICAL STUDIES MAJOR (13 courses)

HP 100.

Three of the following courses in American politics: PO 102, 221, 242, 275, 365, 371, 385.

One of the following courses in international politics: PO 151, 258, 363, 435, 498.

Two of the following courses in political theory: PO 323, 433, 434.

Three of the following courses: PO 240, 340, 424, 425, 445, 455.

Three additional approved courses in political studies.

One major research paper.

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

REQUIREMENTS FOR A HISTORY/POLITICAL STUDIES MAJOR (13 courses)

HP 100, PO 151.

HI 220 or 222 or PO 240.

Two courses in American history.

Two courses in American politics.

Two of the following courses in European or Third World history: HI 245, 325, 354, 355, 356, 374, 377, 424, 455.

Two courses in European or Third World politics: PO 258, 274, 323, 340, 424, 425, 435, 445, 455.

Two approved electives in History and/or Political Studies.

One major research paper.

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

REQUIREMENTS FOR A MINOR IN HISTORY OR POLITICAL STUDIES (5 courses)

Courses as approved by departmental advisor.

REQUIREMENTS FOR AREAS OF CONCENTRATION: American Experience (12 courses)

HI 131, 132, 385.

Three approved American literature courses, Philosophy 367, Soc 265 or 365.

Four of the following: HI 357, 475, 477, 481, PO 102, Journalism 347, PE 430, Philosophy 252, Soc 258, Indep. Study.

Public Administration (15 courses)

HP 100, PO 102, 151 or 258, 240* or 425, 275, 371, Business 350 or 373, Economics 201, 202, Speech 113 or 210, Soc 120, Journalism 244. Math 175 or 356 or Business 230.

Two of the following: Soc 241*, 312, 365, 385, PO 435, 498. *-taken for upper division credit.

International Studies (17 courses)

HP 100.
PO 151, 240, 258, 323, 425, 435, 498.

Five courses in a modern foreign language.

Two of the following: HI 222, 245, 325, 340, 424, 455.

Two of the following: PO 363, Biology 104, Business 210, 350, Economics 201, 202, English 250, 251, Art 360, 361, NF 361 (Nutrition), Soc 385, Religion 272, HI 311, 445.

COURSES

HISTORY/POLITICAL STUDIES

HP 100 WESTERN AND NONWESTERN WORLDS Full Course

Introduction to the disciplines of history and political studies. Comparative history, political analysis, historical and political thinking, relations between values and power.

HISTORY

HI 131 AMERICAN HISTORY BEFORE 1865 Full Course

Discovery and settlement of America, early Democracy, the Puritans, introduction of slavery and how inadequate solution has caused today's racial tensions, western settlers, the causes of Civil War. Fall.

HI 132 AMERICAN HISTORY SINCE 1865 Full Course

Recovery from the Civil War, development of twentieth century life, America's role in the community of nations. Spring.

HI 220 ANCIENT AND MEDIÆVAL WORLDS Full Course

The human story, in history and literature, with emphasis on life and writings up to 1400 A.D. Fall, Spring.

HI 222 THE MODERN WORLD Full Course

Study of change and continuity in history, focusing on the expansion of Europe as it gained a position of world dominance. Fall, Spring.

HI 235 PORTRAITS OF AMERICA Full Course

The role individuals play in American history, 1630-1980's. Exploration of values, lifestyles, cultural impacts of persons on society. John Winthrop, Jane Addams, Walt Disney, Frank Lloyd Wright, Richard Nixon, many others.

HI 245 CULTURAL HISTORY OF CHINA AND JAPAN Full Course

Development of politics, customs, philosophies, religion, language, art. China, Japan and Korea.

HI 263 MUSEOLOGY Quarter Course

History of museums, registering, cataloging and maintaining collections. Interpretation and development of exhibits.

HI 293, 294, 295, 296 HISTORY/POLITICAL STUDIES MODULES Variable Course

Short courses held one evening a week, dealing with current issues.

HI 311 HISTORY OF NONVIOLENCE Full Course

Development of pacifism and non-violent action shown through historic case studies. Theory and current applications.

HI 320 AMERICA IN THE 19TH CENTURY Full Course

Social and economic values, religious currents and reforms of the early 1800's, political and constitutional crisis surrounding Civil War and Reconstruction, industrialization and reform in the late 1800's. Spring.

HI 325 HISTORY OF LATIN AMERICA Full Course

Latin America civilization from its Aztec and Indian heritage to the bloody Mexican revolution. Focus on history of Mexico and the colonial period.

**HI 338
CHRISTIANITY
AND CULTURE: A
HISTORICAL APPROACH**

Cultural attitudes and actions of Christians during critical historical periods. Individual analysis of cultural views.

**HI 340
CONTEMPORARY
AFRICA**

Full Course

Recent colonial and independence history of principal African countries. Traditional setting, cultural change, modern philosophies of political and economic development.

**HI 351
ECONOMIC HISTORY OF
THE UNITED STATES**

Full Course

See Economics (EC 351) for course description.

**HI 354
19TH CENTURY EUROPE**

Full Course

Study of Liberalism, Conservatism, Socialism, Nationalism and their use in interpretation and integration of politics, economics, religion, the arts.

**HI 355
HISTORY OF ENGLAND
AND THE BRITISH
EMPIRE**

Full Course

Historical development from prehistoric beginnings to present times. Emphasis on political and legal evolution, religious, intellectual, literary, economic, social heritage which has helped shape American life and culture.

**HI 356
TOPICS IN BRITISH
HISTORY**

1¼ Course

Taught every three years as part of Study Tour to England.

**HI 357
RECENT AMERICAN
HISTORY**

Full Course

American history since 1900. America's role in today's changing world.

**HI 363
HISTORY OF AMERICAN
FOREIGN POLICY**

Full Course

Major themes, debates, patterns, precedents of American foreign policy.

**HI 367
HISTORY OF THE
AMERICAN WEST**

Full Course

Impact of the West on American individualism and democratic values. Indian-white relations, economic frontiers, western expansion, and the Turner Thesis.

**HI 374
RENAISSANCE AND
REFORMATION**

Full Course

Institutions, individuals, social forces, ideas, patterns of behavior, artistic expressions. Emphasis on the vitality of this period. Fall.

**HI 375
EARLY AMERICAN
HISTORY**

Full Course

British North America from the first settlements to 1763. Colonial society, institutions, religion, economics, thought, culture.

**HI 377
THE ENLIGHTENMENT**

Full Course

Developments of the 17th and 18th centuries in Europe. Development of many of today's basic assumptions, standards of values, patterns of thought. Spring.

**HI 381 (480)
THE CIVIL WAR**

Full Course

Causes and background of the conflict. The institution of slavery and its impact.

**HI 385 (344)
AMERICAN POLITICAL
HISTORY**

Full Course

Development of political parties and issues in the United States. Social, economic, political forces which shaped public movements and the leaders involved.



**HI 424
CONTEMPORARY
EUROPE**

Full Course

Forces, individuals, events that have shaped 20th century Europe. Special emphasis on the interaction between Europe and the Non-Western world.

**HI 445
REVOLUTION IN
HISTORY**

Full Course

Theory, history of revolution in western civilization. The "Great Rebellion" in England and revolutions in America, France, Russia, China. Contemporary revolutionary thought and practice as evidenced in Cuba, Algeria, Vietnam.

**HI 455
CONTEMPORARY CHINA
AND EAST ASIA**

Full Course

Interpretation of recent events in China, Japan, Taiwan and Korea. Chinese revolution of 1911, warlord era in China, Japanese militarism, Communist revolution on the mainland, Japanese invasion of China, American occupation of Japan.

**HI 460
THE NATURE AND
TEACHING OF
HISTORY**

Full Course

Influential interpretations of history, biases of textbooks, criteria of text selection. Audiovisual aids, simulation games, competencies, unit and lesson plan preparation, use of community resources, measurement and evaluation.

**HI 485
HISTORY OF THE PACIFIC
NORTHWEST**

Full Course

Early America to the present. The west as a geographic section and as a symbol. Geography, history, and culture of the Pacific Northwest.

**HI 488
IDEAS ABOUT HISTORY**

Full Course

Major ideas and writings of history and their influence on our world view. Historical method, philosophy of history, biography, national bias, use of sources. Thucydides, Machievelli, Gibbon, Marx, Toynbee.

**HI 498
SENIOR SEMINAR IN
INTERNATIONAL
RELATIONS**

Full Course

See Political Studies (PO 498) for course description.

**HI 499
SENIOR HONORS
THESIS**

Full Course

Researching and writing of a major undergraduate thesis. By approval. May be repeated for credit to a maximum of two full courses.

POLITICAL STUDIES

**PO 102 (103)
AMERICAN POLITICAL
ESTABLISHMENT**

Full Course

Development and principles of federal government in America. Strengths and weaknesses. Civil rights, political parties, competition of government branches, relations of local and national governments.

**PO 151
INTERNATIONAL
RELATIONS**

Full Course

Character and major problems of international life in today's world. Foreign policy behavior of major states, traditional and recent security issues, causes of war and conflicts, impact of independence.

**PO 221
THE AMERICAN
PRESIDENCY**

Full Course

Americans' historical experience with executive leadership. Changes in presidential power and the balance between White House and Congress. Ethics, cabinet organization, war-making powers.

**PO 240
COMPARATIVE
POLITICS**

Full Course

Different governmental styles and political life in selected European and third world governments. Comparisons of public will and behavior, constitutions and human rights, political leadership and governmental performance.

**PO 242
AMERICAN POLITICAL
PARTIES**

Full Course

Political parties as a central part of the American democratic system. Pressure groups, nomination and election procedures, voter behavior, public opinion polling, campaign organization.

**PO 258
GLOBAL ISSUES**

Full Course

Modules exploring international connections of major physical and social problems in our world, e.g. food, energy, pollution, arms proliferation.

**PO 274
GOVERNMENT AND
POLITICS OF CANADA**

Full Course

Development and principles of federal government in Canada. Role of Canada in the British Commonwealth, development of Canadian autonomy, emerging role of the provinces, political parties, the courts and law, bilingualism, relations with the United States.

**PO 275
CITIES AND STATES IN
AMERICAN POLITICS**

Full Course

Changing tasks of cities and states in managing our societal future and the extent to which structures and policies are effective. Politics of taxation, environment, consumer protection, transportation, urban planning, education.

**PO 293, 294, 295, 296
HISTORY/POLITICAL
STUDIES MODULES**

Variable Credit

Short courses held one evening a week, dealing with current issues.

**PO 322
MARXISM AND THE
SOCIALIST WORLD**

Full Course

Ideas of Marx and Engel. Historical application of Marxism in the Third World.

**PO 340
CONTEMPORARY
AFRICA**

Full Course

See History (HI 340) for course description.

**PO 353
JUST WORLD ORDER**

Full Course

History of the global effort to create an international system built on law and cooperation. International laws of war, history of disarmament, League of Nations, United Nations, growth of organizations aiding poor countries, space and ocean law, future scenarios.

**PO 363
HISTORY OF AMERICAN
FOREIGN POLICY**

Full Course

See History (HI 363) for course description.

**PO 365
AMERICAN
CONSTITUTION**

Full Course

Treatment of the Constitution by courts, Congress and the President. Protection of civil rights. American political process and how to analyze legal information.

Prerequisite PO 102.

**PO 371
PUBLIC POLICY AND
ADMINISTRATION**

Full Course

Public policy debates in the United States and the affected administrative structures. Public administration: federal and state levels, principles of organization, processes and techniques of policy execution, future directions.

**PO 385 (344)
AMERICAN POLITICAL
HISTORY**

Full Course

See History (HI 385) for course description.

**PO 424
TWENTIETH CENTURY
EUROPE**

Full Course

See History (HI 424) for course description.

**PO 425
THE THIRD WORLD:
POLITICAL CHANGE**

Full Course

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

**PO 433
EUROPEAN POLITICAL
THOUGHT**

Full Course

Major turning points of Western political thought from Plato to the present. Spectrum from democratic thinkers to totalitarian extremists.

**PO 434
AMERICAN POLITICAL
THOUGHT**

Full Course

Principal ideas influencing development of American political institutions and policies. Williams, Paine, Marshall, Jefferson, Calhoun, Lincoln and later figures.

**PO 445
REVOLUTION IN
HISTORY**

Full Course

See History (HI 445) for course description.

**PO 455
CONTEMPORARY CHINA
AND EAST ASIA**

Full Course

See History (HI 455) for course description.

**PO 498
SENIOR SEMINAR IN
INTERNATIONAL
RELATIONS**

Half or Full Course

In-depth simulation of problem-solving. Skills for graduate study and for management positions in international affairs.

MATHEMATICS AND COMPUTER SCIENCE

FACULTY

Deane Arganbright, Howard R. Gage, Rodney T. Hansen, Robert M. McCroskey
Chair: Dr. Gage

REQUIREMENTS FOR A MATHEMATICS MAJOR

Bachelor of Arts (13 courses)

MA 110, 111, 210, 274, 330, 356, and three upper division Mathematics electives chosen from: MA 311, 340, 341, 350, 365, 430, 456, 457, 481.

Four approved courses with a single theme in a related area.

Bachelor of Science (17 courses)

MA 110, 111, 210, 212, 274, 330, 340, 341, 430, and four upper division Mathematics courses chosen from: MA 311, 350, 365, 456, 457, 481.

Four approved courses with a single theme in a related area.

REQUIREMENTS FOR A COMPUTER SCIENCE MAJOR

Bachelor of Arts (Business Option) (16 courses)

MA 108 or 110, 175, 274, 356, 373, 374, 376, 377, 470.
Business 230, 231, 322, 374, 376. Economics 201, 202.

Bachelor of Science (16 courses)

MA 110, 111, 175, 210, 274, 330, 350, 370, 371, 373, 376, 378, 430.
Physics 151, 153, 251.

REQUIREMENTS FOR A MATHEMATICS MINOR (6 courses)

MA 110, 111, 210, 175 or 274, 330, 356.

REQUIREMENTS FOR MATHEMATICS AS A SECOND TEACHING AREA (7 courses)

MA 110, 111, 175 or 274, 330, 356, 421, plus one approved elective.

REQUIREMENTS FOR A COMPUTER SCIENCE MINOR (5 courses)

MA 110, 274, 356, 373, 376.

NOTE: Certification requirements are subject to change. Therefore all teaching fields must be approved by the Education Department.

COURSES

MATH

MA 101 INTERMEDIATE ALGEBRA

Full Course

For those desiring more preparation for MA 108 or MA 109. Sets, relations, functions, fundamental algebraic operations, factoring, fractions, exponents and radicals. Does not fulfill the science requirement. Fall and Spring.

MA 107 BASIC CONCEPTS IN MODERN MATHEMATICS

Full Course

Mathematics for the liberal arts student. Topics include mathematical patterns and reasoning, computing, probability, informal geometry, and the nature of numbers. January term.

MA 108 INTRODUCTION TO MATRICES, VECTORS, AND LINEAR PROGRAMMING

Full Course

Matrix and vector concepts, study of systems of linear equations, geometric introduction to linear programming, simplex method. A primer for quantitative business management courses. Fall and Spring.

MA 109 ALGEBRA AND TRIGONOMETRY

Full Course

Polynomial, rational, exponential, logarithmic and trigonometric functions. A preparation for Calculus I. Prerequisite: MA 101 or equivalent. Fall and spring.

MA 110 CALCULUS I

Full Course

Functions, limits, continuity, differentiation, introductory integration for functions of a single variable. Prerequisite: MA 109. Fall and Spring.

MA 111 CALCULUS II

Full Course

A continuation of topics in MA 110. Integration, applications of integration, and transcendental functions. Prerequisite: MA 110. Spring.

**MA 175
ELEMENTARY
COMPUTER
PROGRAMMING**

Full Course

An introduction to problem-solving methods and computer programming through the use of the BASIC language. Prerequisite: MA 108 or 109 or equivalent. Fall and Spring.

**MA 210
CALCULUS III**

Full Course

Infinite series and multivariable calculus, including partial differentiation, vector analysis, multiple integrals. Prerequisite: MA 111. Fall.

**MA 212
DIFFERENTIAL
EQUATIONS**

Full Course

Introduction to ordinary differential equations, their use in mathematical models in the physical, biological, social sciences, and economics. Continuous and numerical solutions. Prerequisite MA 210 or permission. Alternate Spring terms (1983).

**MA 221
THEORY OF ARITHMETIC**

Full Course

For the prospective elementary teacher. Development of number systems, vocabulary and symbolism, present-day usage in arithmetic, algebra and geometry. Does not apply toward the science requirements for graduation

except for candidates for elementary teaching certificates. Fall, Spring.

**MA 274
STRUCTURED
PROGRAMMING USING
PASCAL**

Full Course

Introduction to problem-solving and computer programming using the PASCAL language. Special emphasis on development of algorithms and writing programs in a structured form. Prerequisite MA 175. Fall and Spring.

**MA 311
LINEAR PROGRAMMING**

Full Course

Optimization of linear functions subject to linear constraints arising out of mathematical, business, economics, and engineering problems. Linear programming model, simplex algorithm, duality, and transportation problems. By permission. Alternate January terms (1983).

**MA 330
LINEAR ALGEBRA**

Full Course

Vector spaces, linear transformations, matrices, determinants, Euclidian spaces, systems of equations and eigenvalues. Prerequisite: MA 111. Fall.

**MA 340, 341
ADVANCED CALCULUS
I, II**

Full Course

The real number system, elements of point set theory, sequences and series, differentiation, integration, partial differentiation, multiple integrals. Prerequisite MA 210. Alternate years (1982-83).

**MA 350
NUMERICAL ANALYSIS**

Full Course

Elementary discussion of errors, polynomial interpolation, quadrature, linear systems of equations, solutions of non-linear equations. Numerical differentiation, integration, solutions to differential equations. Prerequisite MA 210 and 273. Alternate Spring terms (1984).

**MA 356
ELEMENTARY
PROBABILITY AND
STATISTICS**

Full Course

An introduction to the study of the mathematics of probability and the application of probability to the study of statistics. Prerequisite MA 101. Fall and Spring.

**MA 355
MODERN GEOMETRY**

Full Course

Sets and propositions, postulational systems, affine geometry, Euclidean and

non-Euclidean geometry. Essential for all high school mathematics teachers. By permission.

**MA 370
INTRODUCTION TO
COMPUTER LOGIC**

Full Course

Fundamental principles of the functional organization of digital computers, Boolean algebra, and logical design of combinatorial and sequential circuits. Prerequisite: MA 175 or equivalent. Alternate Fall terms (1983).

**MA 371
INTRODUCTION TO
MICROCOMPUTERS**

Full Course

An introduction to micro-computer architecture including CPU organization, I/O devices, and bus structures. Comparison of several microprocessor systems with hands-on experience on an LSI-11 microcomputer and an INTEL 8086 microcomputer. Prerequisite MA 370 or equivalent. Alternate Spring terms (1984).

**MA 373
DATA STRUCTURES**

Full Course

Data structures used in application as well as system program design. Character strings, lists, graphs and trees, file structures, sorting and searching, memory management, advanced

applications. Prerequisite: MA 274. Alternate fall terms (1983).

**MA 374
FILES AND DATA BASE
MANAGEMENT**

Full Course

Storage media and devices, fundamental file structures and processing, file management systems, data base management systems. Prerequisite MA 274. Alternate Fall terms (1982).

**MA 376
COMPUTER
ORGANIZATION AND
ASSEMBLER
PROGRAMMING**

Full Course

Computer organization and the structure of digital computers. Work in MACRO-II assembler language programming on a PDP-11 computer. Prerequisite MA 273. Alternate Spring terms (1983).

**MA 377
BUSINESS
PROGRAMMING USING
COBOL**

Full Course

Basic principles of business data processing and programming using the COBOL language. Prerequisite MA 274, Business 230, 231. Alternate January terms (1983).

**MA 378
SCIENTIFIC
PROGRAMMING USING
FORTRAN**

Full Course

Development of numerical solutions to scientific problems using the FORTRAN IV language. Comparison between FORTRAN IV and FORTRAN 77; use of a structured pre-processor for structuring FORTRAN IV. Prerequisite MA 110, 274.

**MA 421
METHODS OF TEACHING
SECONDARY SCHOOL
MATHEMATICS**

Full Course

Elementary applications of mathematics, history of mathematics, recreational mathematics. The development of the mathematics curriculum and available library and other resource materials. Prerequisite MA 111.

**MA 430
GRAPH THEORY AND
COMBINATIONS**

Full Course

Paths and circuits, trees, planarity and duality, coloring of graphs, permutations and combinations, multinomial theorem, generating functions, difference equations, principle of inclusion and exclusion, mobius function and Polya's theorem. Prerequisite MA 175, 210. Alternate January terms (1984).

**MA 456, 457
MATHEMATICAL
STATISTICS I, II**

Full Course

Probability, random variables and their distributions, law of large numbers, confidence intervals, tests of hypothesis, regression and correlation, sampling theory analysis of variance. Theoretical development. Prerequisite: MA 175, 210. Alternate years (1983-84).

**MA 470
SYSTEMS ANALYSIS**

Full Course

Methods of developing and improving business systems. Topics include fact-finding techniques, designing forms and files, documentation, proving and communicating system designs. Study of manual vs. computerized systems. Prerequisite MA 274, Business 230, 231. Alternate Spring terms (1984).

**MA 481
TOPICS SEMINAR**

Full Course

Mathematical topics of current interest to the mathematics faculty and advanced students. May be taken more than once. Consent of Department Chair.





MODERN LANGUAGES

FACULTY

Pierrette Gustafson, Daniel Sanford, Townsend Shelby, Jeffrey Stimson
Chair: Mrs. Gustafson

INTERCOLLEGIATE LANGUAGE STUDY CONSORTIUM

Beginning in Fall 1981, this cooperative agreement between Spokane colleges allows junior and senior level language courses (French, German, Spanish) to be taught to students at Whitworth, Gonzaga University, and Eastern Washington University by faculty of these schools on a rotating basis, thus substantially increasing the course offerings of each school.

REQUIREMENTS FOR A MODERN LANGUAGES MAJOR (FRENCH) (8 courses beyond the elementary level)

FR 201, 202, 307, 308. Four additional approved French courses, including at least three courses to be taken at a French or French Canadian university.

REQUIREMENTS FOR A MODERN LANGUAGES MINOR (French, German, Spanish) (5 courses)

Five approved courses beyond the elementary level.

REQUIREMENTS FOR AREAS OF CONCENTRATION:

Cross Cultural Studies (17 courses)

FR, GR, or SN 201, 202, 307, 308, one 400-level course, and Foreign Study. Three of the following: Fine Arts 101, English 125, 233, 234, 251, 320 (Mythology), 453. Four of the following: History 222, 245, 325, 374, 377, 424, 455, Political Studies 151, 455, Soc 251. Two of the following: Journalism 347, Soc 227, 327, Speech 113.

International Business Communication (18 courses)

Four language courses beyond the elementary. One approved History or Political Science course related to the chosen language. Journalism 125, 236 or 242, Speech 113, 210, one upper division elective in Journalism or Speech Communication. Business

138, 230, 231, 374, Econ 201 or 203. A one-month internship in an internationally-oriented business firm. Three of the following: 400-level language courses (Intercollegiate Language Study Cons.), Journalism 215, 362, 485, Speech 211, 223, 322, 412, Business 110, 325, 357, 363, 376, Econ 202.

COURSES

FRENCH

FR 101, 102 ELEMENTARY FRENCH

Full Courses

Basic grammar, emphasis on conversation. Some cultural aspects are introduced.

FR 201, 202 INTERMEDIATE FRENCH

Full Courses

Emphasis on spoken language. Reading, writing, grammar. Discussion of current French issues, cultural patterns.

FR 307, 308 FRENCH CONVERSATION, COMPOSITION AND ADVANCED GRAMMAR

Full Courses

French customs, mannerisms, points of view, colloquialisms. French cultural background. Ease in conversation, reading, writing.

FR 330 EVERYDAY FRENCH

Full Course

No English allowed. Students immerse themselves in the language in a free, non-structured situation. Meals, invited guests, conversation. Prerequisite FR 102.

FR 401 MODERN FRENCH NOVEL

Full Course

Gide, Camus, Sartre as representatives of this century's French novelists.

FR 402 MODERN FRENCH DRAMA

Full Course

Cocteau, Anouilh, Ionesco, others exemplifying French theater of this century.

FR 409, 410 SURVEY OF FRENCH LITERATURE

Full Courses

Study of development of French thought, culture through literature from the Middle Ages to the present. FR 410 concentrates on the 19th and 20th centuries.

GERMAN

GR 101, 102 ELEMENTARY GERMAN

Full Courses

Fundamentals of pronunciation, reading. Basic grammar. Introduction to cultural aspects.

GR 201, 202 INTERMEDIATE GERMAN

Full Courses

Grammar review as framework for conversation, composition. Current interest topics, cultural attitudes.

GR 307, 308 GERMAN CONVERSATION, COMPOSITION AND ADVANCED GRAMMAR

Full Courses

Short literary works, topical issues as springboard for composition, discussion.

GR 409, 410 SURVEY OF GERMAN LITERATURE

Full Courses

Study of development of German thought, culture through literature from the Middle Ages to the present. GR 410 concentrates on the 19th and 20th centuries.

SPANISH

SN 101, 102 ELEMENTARY SPANISH

Full Courses

Basic structure and sound system, with emphasis on conversation. Contact with Spanish and Latin American cultures.

SN 201, 202 INTERMEDIATE SPANISH

Full Course

Detailed review of grammar, pattern structures, idioms. Discussion of Hispanic cultures, conversation, some composition.

SN 307, 308 SPANISH CONVERSATION, COMPOSITION AND ADVANCED GRAMMAR

Full Courses

Readings, composition, discussion of contemporary Spanish literary works and grammar review.

SN 409, 410 SURVEY OF SPANISH LITERATURE

Full Courses

Study of the development of Spanish thought, culture by evaluation of representative literary works.

MODERN LANGUAGES

ML 442 METHODS FOR SECONDARY LANGUAGE TEACHERS

Full Course

Study and application of various aspects of foreign language teaching. Testing, performance objectives, teaching of culture, structure and drill, programmed learning.



PHYSICAL EDUCATION, RECREATION AND ATHLETICS

FACULTY

Jean Anderson, JoAnne Atwell-Scrivner, Ross Cutter, Diana Marks, Paul Merkel, Diane Murphy, Arnie Tyler.
Chair: Ms. Marks.
Athletic Director:
Dr. James Larson

REQUIREMENTS FOR A PHYSICAL EDUCATION MAJOR

(minimum of 12 courses)

Full courses—PE 279, 312, 320, 361, 400, 465, plus two of the following: PE 322, 420, 430, NF 361 (Nutrition). Half courses—PE 276, 330, 498. Quarter courses—PE 265, 266, 267, 268. In addition, the following courses are required: (Elementary emphasis) PE 345(1/2), 347(1/2), 475. (Secondary emphasis) PE 326, 350(1/2), 351(1/2), 379. Purchase of professional uniform required. Note: for students in this major, PE 265, 266, 267, 268 fulfill the general Physical Education requirement, except PE 126.

(Sports Medicine Option) (11 courses)

Full courses—PE 279, 320, 326, 361, BI 110 (Biology of Health), NF 361 (Nutrition). Half courses—PE 270, 276 or 351, 330, 333, 334, 335, 379, plus two of the following: PE 371, 372, 373, 374, 375. Quarter courses—two of the following: PE 265, 266, 267, 268. Purchase of professional uniform required.

REQUIREMENTS FOR A RECREATION MAJOR (11 courses)

RC 220, 315, 355, 356, 418, 425, 455, 485 (Internship). AR 150 (Introduction to Crafts). Suggested electives: PE 430, Business 230, 374, Polit Stdys 371, Soc 265/365, 258/358.

(Developmental Disability Option) (12 courses)

PE 270(1/2). RC 220, 232(1/2), 234(1/2), 315, 335, 336(1/2), 354, 418, 485 (Internship), Art 150 (Introduction to Crafts).

REQUIREMENTS FOR PHYSICAL EDUCATION AS A SECOND TEACHING FIELD

(5 courses)

PE 279, 320, 351(1/2). Two of the following: PE 326, 400, 420, 430, 465. Two of the following quarter courses: PE 265, 266, 267, 268. Purchase of professional uniform required.

(Coaching Option)
(5 courses)

PE 270(1/2), 320, 379(1/2). Two of the following: PE 279, 322, 326, 341, 420, 430. Also two of the following half courses: PE 371, 372, 373, 374, 375.

REQUIREMENTS FOR A RECREATION MINOR (Developmental Disability Option) (5 courses)

Five approved full courses including RC 232, 234, 335, 354.

NOTE: Certification requirements are subject to change. Therefore all teaching fields *must* be approved by the Education department.

COURSES

VARSITY SPORTS

Quarter Courses

For participants in men's and women's sports at the inter-collegiate level.

PE 101
VARSITY
BASEBALL

PE 102
VARSITY
BASKETBALL

PE 103
VARSITY FOOTBALL

PE 104
VARSITY GOLF

PE 105
VARSITY TENNIS

PE 106
VARSITY TRACK
AND FIELD

PE 107
VARSITY AQUATICS

PE 108
VARSITY WRESTLING

PE 109
VARSITY CROSS
COUNTRY

PE 110
VARSITY VOLLEYBALL

COURSES

Quarter Courses

PE 112
ARCHERY

PE 113, 213
BEGINNING,
INTERMEDIATE
BASKETBALL

PE 114
SLIMNASTICS

PE 115
BOWLING

PE 116, 216
BEGINNING,
INTERMEDIATE
MODERN DANCE

PE 118
FOLK DANCE

PE 199
ICE SKATING

PE 121
TUMBLING

PE 122, 222
BEGINNING,
INTERMEDIATE
TENNIS

PE 123
GYMNASTICS/
APPARATUS

PE 124
WEIGHT TRAINING

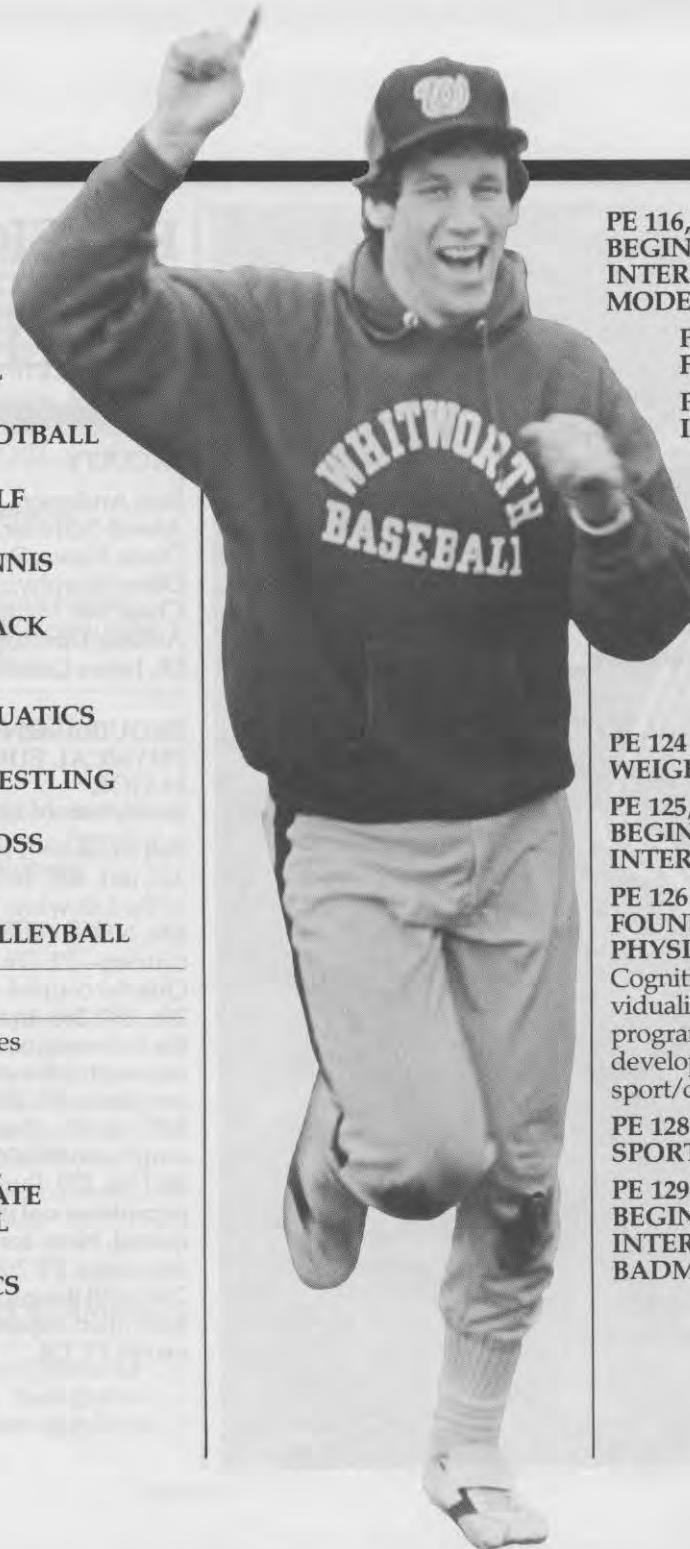
PE 125, 225
BEGINNING,
INTERMEDIATE GOLF

PE 126
FOUNDATIONS OF
PHYSICAL ACTIVITY

Cognitive learning and individualized appraisal and program planning for fitness development and life-time sport/dance education.

PE 128
SPORTS CONDITIONING

PE 129, 229
BEGINNING,
INTERMEDIATE
BADMINTON



- PE 130**
SOCCER
- PE 131**
SOFTBALL
- PE 132**
FITNESS PROGRAM
- PE 133, 233**
BEGINNING,
INTERMEDIATE
VOLLEYBALL
- PE 134**
JOGGING/AEROBICS
- PE 135**
RACQUETBALL
- PE 136**
CURLING
- PE 138**
KARATE
- PE 139**
FENCING
- PE 143, 243**
BEGINNING,
INTERMEDIATE BALLET
- PE 145**
SQUARE DANCE
- PE 147**
WRESTLING
- PE 148**
CROSS COUNTRY SKIING
- PE 150, 151**
BEGINNING,
INTERMEDIATE
AQUATICS
- PE 152**
ADVANCED AQUATICS
- PE 250**
AQUATICS—LIFE SAVING
- PE 251**
AQUATICS—W.S.I.
- PE 153**
BALLROOM DANCE
- PE 154**
BACKPACKING
- PE 158, 258**
BEGINNING,
INTERMEDIATE JAZZ
DANCE
- PE 159, 160**
BEGINNING,
INTERMEDIATE SKIING
- PE 259**
ADVANCED SKIING
- PE 265 (230)**
PROFESSIONAL
ACTIVITIES I
Quarter Course
Field hockey, tennis,
volleyball. Alternate years,
Fall 1982.
- PE 266 (231)**
PROFESSIONAL
ACTIVITIES II
Quarter Course
Basketball, low-organized
games, softball. Alternate
years, Spring 1983.
- PE 267 (232)**
PROFESSIONAL
ACTIVITIES III
Quarter Course
Soccer/speedball, track/
cross-country, archery.
Alternate years, Fall 1983.
- PE 268 (233)**
PROFESSIONAL
ACTIVITIES IV
Quarter Course
Badminton, folk and
ballroom dance, golf.
Alternate years, Spring 1984.
- PE 270**
FIRST AID
Half Course
First aid and safety proce-
dures. Advanced American
Red Cross certificates
awarded to those who
qualify.
- PE 276 (240)**
BODY MOVEMENT
AND ANALYSIS
Half Course
Introductory coverage of the
purposes and objectives of
physical education with par-
ticular emphasis on physical
development, body move-
ment and gymnastics.
- PE 279**
HISTORY AND
PRINCIPLES OF PHYSICAL
EDUCATION
Full Course
Historical survey of physical
education from ancient to
modern times. Basic princi-
ples of modern physical edu-
cation and their relationship
to present-day programs.
Biological, psychological,
cultural factors.
- PE 312**
ORGANIZATION,
ADMINISTRATION AND
CURRICULUM IN
PHYSICAL EDUCATION
Full Course
Administrative policies and
practices as they relate to
program, budget, facilities,
equipment, public relations.
Curriculum development
and construction, study of
- various teaching approaches.
Research into new concepts
of physical education.
- PE 320**
KINESIOLOGY
Full Course
A study of human motion
emphasizing analysis of joint
and muscular action and the
application of biomechanical
principles for sport skills
common to physical educa-
tion and athletics. Prerequi-
site: Biology 107. Spring.
- PE 322**
PHILOSOPHICAL AND
PSYCHOLOGICAL
ASPECTS OF
COACHING
Full Course
An overview of the applica-
tion of philosophical and
psychological principles to
coaching so that the coach is
better prepared to develop
the maximum potential in
athletes. Alternate years,
Spring (1983).
- PE 326**
EXERCISE PHYSIOLOGY
Full Course
Principles of physiology
applied to muscular activity.
Physiological effects of
exercise.
- PE 330**
ADAPTIVE PHYSICAL
EDUCATION AND
RECREATION
Half Course
A course of study designed to
better prepare students for
teaching activities which



must be directed toward or modified for special groups. Spring.

**PE 332
ATHLETIC TAPING**

Half Course

Theory and practice of applying tape to the body for prevention and care of athletic injuries. Study of strains of the ankle, knee, hamstring and groin, shoulder dislocation and separation, thumb sprain, finger jam and rib fracture.

**PE 333, 334, 335
ADVANCED ATHLETIC TRAINING**

Half Courses

Requires 200 hours in the training room as observer or participant. Athletic injuries and problems that arise covered in a seminar format. Prerequisite PE 332 and 379.

**PE 341
SPORTS OFFICIATING**

Quarter Course

Learning, interpretation, practical application of rules. Covers volleyball, basketball or football.

**PE 345
METHODS OF TEACHING
ELEMENTARY PHYSICAL
EDUCATION**

Half Course

Current methods and materials used in developing the elementary curriculum and in teaching the appropriate activities for each grade level. Class management,

class discipline and directed teaching are practiced. Fall.

**PE 346
PERCEPTUAL MOTOR
LEARNING**

Full Course

Development of the total human being through visual perception, perceptual motor, and visual training activities. Environment versus heredity in creation of the athlete.

**PE 347
GAMES AND ACTIVITIES
IN THE ELEMENTARY
SCHOOL**

Half Course

**PE 350
METHODS SEMINAR**

Half Course
Practical application of educational theory and sports content. Emphasis on preparation of resource units and directed teaching using individual and dual sports as the vehicle. Fall.

**PE 351
METHODS SEMINAR**

Half Course
Practical application of educational theory and sports content. Emphasis on preparation of teaching units and lesson plans and directed teaching using team sports as the vehicle. Spring.

**PE 361
CURRICULUM AND
METHODS IN HEALTH
EDUCATION**

Full Course

Current problems in health education. Drug and sex education, smoking, drinking, family life education, personal development. Teaching methods in health education from kindergarten through high school.

**PE 366
WILDERNESS
LEADERSHIP**

Half Course

Practical and theoretical aspects of leadership in a wilderness setting.

Prerequisites: RC 356 or permission.

**PE 371
THEORY AND PRACTICE
OF BASEBALL**

Half Course

**PE 372
THEORY AND PRACTICE
OF BASKETBALL**

Half Course

**PE 373
THEORY AND PRACTICE
OF FOOTBALL**

Half Course

**PE 374
THEORY AND PRACTICE
OF TRACK AND FIELD**

Half Course

**PE 375 (275)
THEORY OF VOLLEYBALL
COACHING**

Half Course

These courses are designed to assist the student in preparing to coach the indicated sport. Organization, equipment, facilities. Opportunity for skill practice.

**PE 379
ATHLETIC TRAINING**

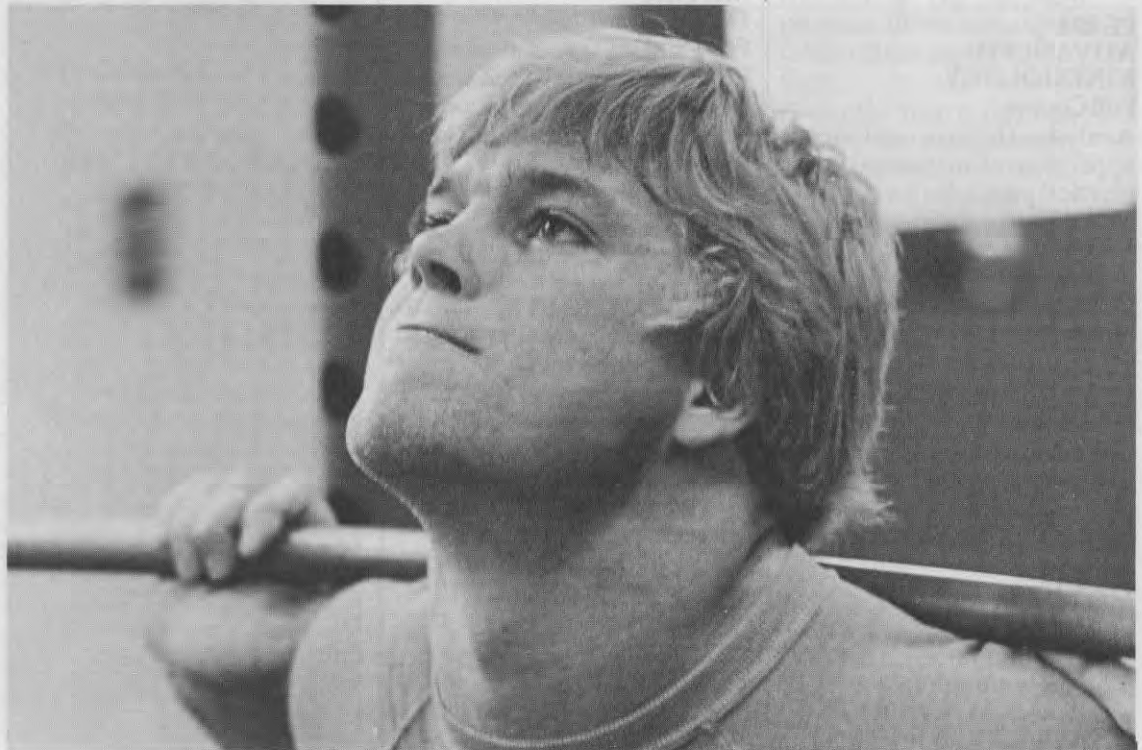
Half Course

Care and prevention of athletic injuries. Review of skeletal and muscular anatomy. Conditioning, therapeutic modalities, proprio-kinetics, drugs, psychogenic factors.

**PE 400
MEASUREMENT AND
EVALUATION**

Full Course

Selection, administration and interpretation of knowledge and performance tests.



**PE 420
ORGANIZATION AND
ADMINISTRATION OF
INTRAMURAL AND
INTERSCHOLASTIC
SPORTS**

Full Course

Organizing and administering an intramural program at the elementary, junior and senior high levels with practical projects. Looking at interscholastic sports as a potential athletic director with all of the responsibilities that are involved at the position for either junior or senior high school. Spring.

**PE 424
ADVANCED
KINESIOLOGY**

Full Course

Analysis of human motion, application of anatomical and physical principles for improving human performance. Recording and analysis of performance data. Still photography, video tape, motion pictures.

**PE 430
SPORTS AND SOCIETY**

Full Course

Interrelationships of sports and physical education with other aspects of culture. Role of sports in American society.

**PE 465
MOTOR LEARNING**

Full Course

Theories and principles of motor activity and motor responses.



**PE 475
MOTOR
DEVELOPMENT**

Full Course

Human motor development during childhood and adolescence, as related to other aspects of growth. Physiological development related to visual, tactile, auditory, kinesthetic senses.

**PE 478
APPLIED ATHLETIC
TRAINING**

Full Course

Theory and practical applied experience involved in taping as it applies to prevention and care of athletic injuries. Need for a team physician, use of salt in preventing injury, nutritional needs of athletes, cyrotherapy in injury rehabilitation.

**PE 498
SENIOR SEMINAR**

Half Course

RECREATION

**RC 220 (230)
RECREATION IN
CONTEMPORARY
SOCIETY**

Full Course

Place of recreation in today's society. History and scope of the recreation movement. State, local and federal agencies involved in providing recreation. Issues and problems.

**RC 232
DEVELOPMENTALLY
DISABLING
CONDITIONS**

Half Course

Etiology and characteristics of developmental disabilities.

**RC 234
UNDERSTANDING THE
DEVELOPMENTALLY
DISABLED**

Half Course

**RC 315
COMMUNITY
RECREATION**

Full Course

Survey of recreation programs of private, voluntary, public agencies as they operate in the community setting.

**RC 335
LEADERSHIP IN
PROGRAMS FOR THE
DEVELOPMENTALLY
DISABLED—**

Full Course

**RC 336
LEISURE COUNSELING
FOR THE
DEVELOPMENTALLY
DISABLED**

Half Course

**RC 354
FIELD WORK IN
RECREATION**

Full Course

Survey of recreation programs within the community. Supervised field work experience.

**RC 355
RECREATION
LEADERSHIP**

Full Course

Methods and materials used in programs of recreation for all age groups in church, school, community settings.

**RC 356
CAMP LEADERSHIP**

Full Course

Practical and theoretical aspects of leadership in camp situations. Counseling and directing camp programs.

**RC 418
ADMINISTRATION OF
RECREATION**

Full Course

Principles and practices in recreation administration. Program and facility planning, budget, personnel.

**RC 425
INTRODUCTION TO
RECREATIONAL FIELD
WORK**

Full Course

**RC 455
PROGRAMMING FOR
SPECIAL GROUPS**

Full Course

Problems associated with the conduct of recreation programs for special populations such as the emotionally disturbed, mentally retarded, physically handicapped, and senior citizen.

**RC 456
RECREATION
PROGRAMMING FOR
SENIOR CITIZENS**

Quarter Course

**RC 457
RECREATION
PROGRAMMING FOR
THE MENTALLY
RETARDED**

Quarter Course

**RC 458
RECREATION
PROGRAMMING FOR
DISADVANTAGED
YOUTH**

Quarter Course

**RC 459
RECREATION
PROGRAMMING FOR
THE PHYSICALLY
HANDICAPPED**

Quarter Course

The above are subdivisions of RC 455, Programming for Special Groups.

**RC 485
RECREATION
INTERNSHIP**

Four Full Courses



PHYSICS

FACULTY

Edwin A. Olson, Gary Paukert, Philip C. Thayer
Acting Chair: Dr. Olson

REQUIREMENTS FOR A PHYSICS MAJOR

Bachelor of Arts (11 courses)
PS 151, 153, 251, 353, 363, 451,
plus two approved Physics
electives.

Math 110, 111.

Chemistry 151.

Bachelor of Science (16 courses)

PS 151, 153, 251, 353, 361, 363,
451, 453, 461, 471.

Math 110, 111, 210, 212.

Chemistry 151, 153.

REQUIREMENTS FOR PHYSICS AS A SECOND TEACHING FIELD (5 courses)

Note: certification requirements are subject to change. Therefore, all teaching fields *must* be approved by the Education department.

PS 151, 153, 251, 353, plus one approved Physics elective.

PRE-ENGINEERING CURRICULUM

Gives a student with education goals in one of the engineering areas the opportunity to pursue the first two years in a supportive atmosphere of small classes and close faculty contact. Two years at Whitworth is followed by three years at an institution offering specialized coursework. The suggested program allows some specialization at the sophomore level.

Freshman Year: (Fall) Math 110, Physics 151, Chemistry 151, English 110. (January) Engr. 110—Engineering Orientation. (Spring) Math 111, Physics 153, Chemistry 153, Social Science Elective.
Sophomore Year: (Fall) Math 210, Physics 251, Engr. 211—Statics, Elective. (January) Engr. 210—Engineering Drawing. (Spring) Math 175, 212, Engr. 212—Dynamics, Elective.

COURSES

PHYSICS

**PS 121
CONCEPTS OF PHYSICS**
Full Course

Non-mathematical concepts of mechanics, heat, electricity, magnetism, optics and nuclear physics.

**PS 151
GENERAL PHYSICS I**
Full Course

Quantitative fundamentals of mechanics and thermodynamics. Foundation for all sciences and further courses in Physics. Includes laboratory. Prerequisite: Mathematics or concurrent enrollment. Fall.

**PS 153
GENERAL PHYSICS II**
Full Course

Continuation of PS 151, Electricity, light and radioactivity. Includes laboratory. Prerequisite: PS 151. Spring.

**PS 251
GENERAL PHYSICS III**
Full Course

Quantitative fundamentals of electricity and magnetism, optics, atomic and nuclear physics. Foundation for all further courses in Physics. Includes laboratory. Prerequisite: PS 153, Mathematics 111 or concurrent enrollment. Fall.

**PS 353
ATOMIC PHYSICS**

Full Course
atomic structure, quantum mechanics, relativity, interpretation of atomic spectra, interatomic bonding, crystal structure. Prerequisite PS 251, Mathematics 212 or permission.

**PS 361
NUCLEAR PHYSICS**
Full Course

Nuclear structure, radioactivity, fission, elementary particles, nuclear radiation detection instruments and techniques. Includes laboratory. Prerequisite PS 353 or permission.

**PS 363
THERMODYNAMICS**
Full Course

Kinetic theory, phase transitions, low temperature physics, statistical mechanics, thermodynamical laws, thermometry, calorimetry. Includes laboratory. Prerequisite PS 251, Mathematics 212 or permission.

**PS 371
OPTICS**

Full Course
Nature of light, geometrical and physical optics, interference, quantum optics, photometry, optical instruments. Includes laboratory. Prerequisite PS 251, Mathematics 212 or permission.

**PS 373
ELECTRONICS**
Full Course

Physical principles of operation of solid state devices, basic circuit analysis, electronic instrumentation and measurement techniques. Includes laboratory. Prerequisite PS 251, Mathematics 212 or permission.

**PS 451
ELECTRICITY AND
MAGNETISM I**
Full Course

Electric and magnetic fields, steady and alternating currents, electrical and magnetic instruments and measurement techniques. Includes laboratory. Prerequisite PS 251, Mathematics 212.

**PS 453
ELECTRICITY AND
MAGNETISM II**
Full Course

Maxwell's equation, electromagnetic waves, advanced experiments in electrical and magnetic phenomena. Includes laboratory. Prerequisite PS 451.

**PS 461
THEORETICAL
MECHANICS**

Full Course
Newtonian mechanics, central forces, dynamics of systems, rigid bodies, numerical computational techniques. Prerequisite PS 151, Mathematics 212.

**PS 471, 473
EXPERIMENTAL PHYSICS**
Full Courses

Supervised projects in advanced electronics, optics, nuclear physics, computer applications, mass spectrometry, etc. Prerequisite Physics major, junior or senior standing, permission.

**PS 493
PHYSICAL SCIENCE
SEMINAR**
Full Course

Current developments in physics, applications to astronomy, biology, chemistry, geology and computer science. Prerequisite natural sciences major, junior or senior standing, permission.

"I have come to know many of the faculty and staff members personally. This is significant and rewarding to one's academic pursuits."

PSYCHOLOGY

FACULTY

William L. Johnson, Patricia A. MacDonald, Kathleen Harrell Storm.
Chair: Dr. Johnson.

REQUIREMENTS FOR A PSYCHOLOGY MAJOR (12 courses)

PY 201, 250, 302 (1/2 course), 326, 370, 375 (1 1/2 course), 423, 425, 499, Math 356 (Statistics). Two of the following: PY 210, 241, 327.

COURSES

PSYCHOLOGY

PY 102 PERSONAL APPLICATIONS OF PSYCHOLOGY

Full Course
Use of psychological principles to enhance personal effectiveness. Stress on application rather than theory. Improving memory and study skills, biofeedback, learning to relax, breaking bad habits, improving personal relationships. Fall.

PY 201 PRINCIPLES OF PSYCHOLOGY

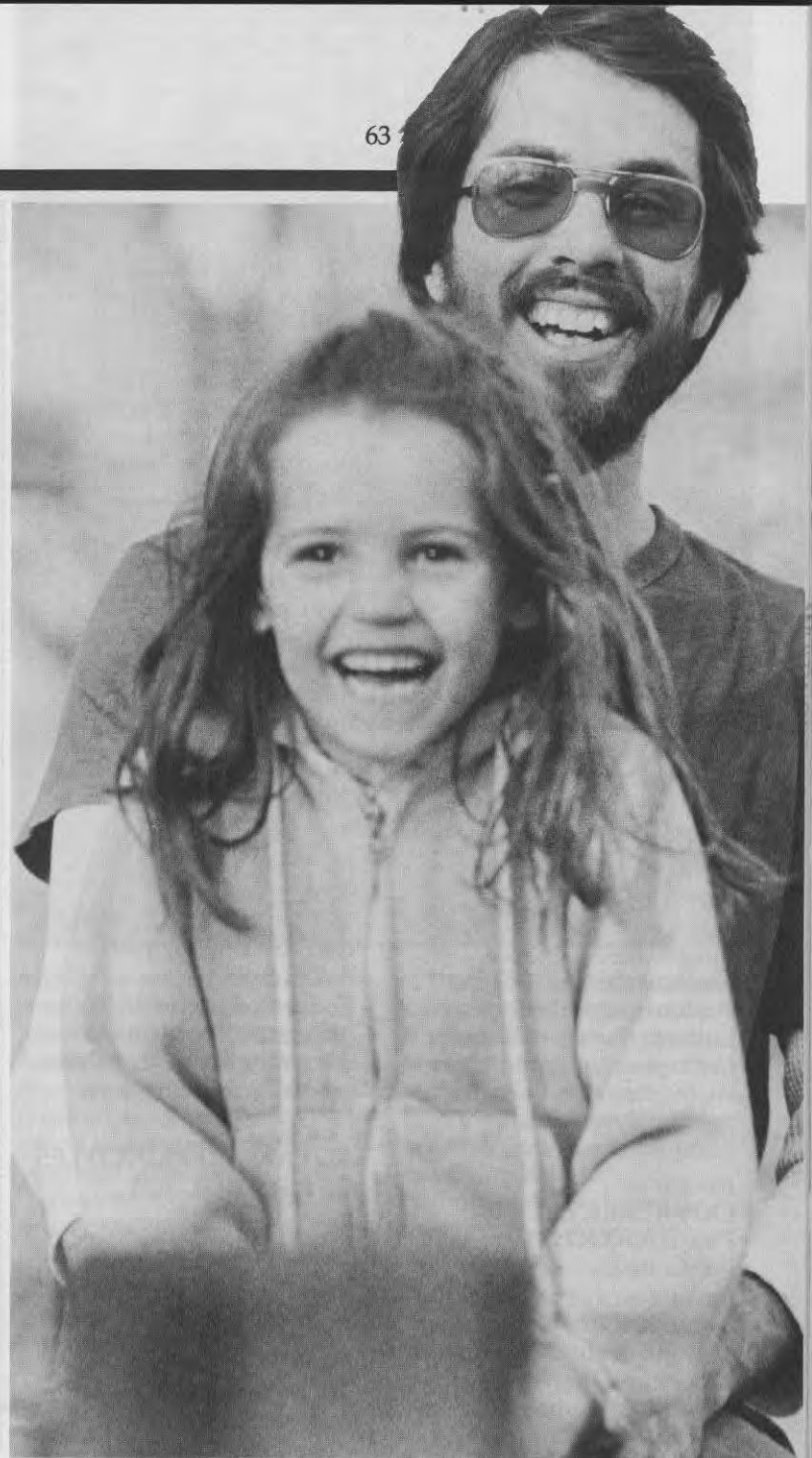
Full Course
Use of scientific method in examining human behavior. How to deal objectively with behavior. Laboratory experience. Principles of learning, motivation.

PY 219 DEVELOPMENTAL PSYCHOLOGY

Full Course
The life process, from conception to death. Relationships established with a child and an elderly person. Prerequisite PY 201.

PY 241 SOCIAL PSYCHOLOGY

Full Course
An attempt to understand how an individual's thoughts, feelings, behaviors are influenced by the actual, imagined or implied presence of others. Trends and findings of current research, and its limitations. Prerequisite: PY 201. Spring.



**PY 250
PSYCHOLOGY AND
CHRISTIAN FAITH**

Full Course

Attempts an integration of psychology with the individual's personal Christian faith. Potential tensions, Christian psychological resolutions. Faith vs. empiricism, social dimensions of faith, cults, faith and psychological health. Prerequisite PY 201.

**PY 300-309
MODULES IN
PSYCHOLOGY**

Variable Course

Central topics in psychology not covered in other courses. Preparation for advanced study. Fall.

**PY 302
THEORY AND HISTORY**

Half Course

Integrative experience, emphasis on enabling the student to develop a recognition of the role of theories in shaping our world. How we interact with the world personally and as a discipline. Prerequisite: PY 201.

**PY 326
EXPERIMENTAL
PSYCHOLOGY**

Full Course

Principles of psychological research. Experimental design and analysis. Laboratory experience. Prerequisite PY 201 and Mathematics 356. Spring.

**PY 327
THEORIES OF
PERSONALITY**

Full Course

Study, comparison of personality theories of Freud, Lewin, Rogers, Murray. Problems with tests and measurements. Prerequisite PY 201.

**PY 358
ABNORMAL
PSYCHOLOGY**

Full Course

Behaviors generally (but misleadingly) categorized as mental illness or mental disorder. Genetic backgrounds, body chemistry, family interactions, other social relationships. Alternate years, fall.

**PY 370
ADVANCED
INTERPERSONAL AND
GROUP DYNAMICS**

Full Course

Communication skills, understanding of group dynamics. Student analysis of small group situations.

**PY 375
ADVANCED PRINCIPLES
OF PSYCHOLOGY**

Full Course

Understanding psychological concepts by training in group process, leadership styles. Teaching assistantship experience. Prerequisite PY 201. Spring.

**PY 423 (323)
PRACTICUM IN
PSYCHOLOGY**

Full Course

Placement in community agency or organization. Analysis of individual experiences in a seminar format. By permission. January Term.

**PY 425
PSYCHOLOGY OF
LEARNING**

Full Course

Historical development of learning, major theoretical positions, empirical/theoretical issues. Seminar format. Prerequisite PY 201, 326, Mathematics 356. Fall.

**PY 468
THEORIES OF
COUNSELING**

Full Course

Introduction to the field of counseling, using a variety of learning resources. Prerequisite: PY 201. Alternate years, spring.

**PY 499
SENIOR RESEARCH**

Full Course

Final learning/evaluation situation for psychology major. Seminar format. Prerequisite PY 201, 326, Mathematics 356. Spring.



RELIGION AND PHILOSOPHY

FACULTY

Forrest Baird, F. Dale Bruner,
Duncan Ferguson, Rabbi
Eugene Gottesman, Roger
Mohrlang, Howard
Redmond, Lorraine
Robertson, Evelyn Smith,
Lawrence Yates.
Chair: Dr. Ferguson

REQUIREMENTS FOR A RELIGION MAJOR

Biblical Studies Track (12 courses)

RE 183, 231, 241, 272, 320, 348,
364, 384, 451, 458, elective in
Old Testament, elective in
New Testament.

Christian Thought Track (12 courses)

RE 183, 231, 241, 272, 320, 359,
365, 384, 457, 458, two elec-
tives in Theology, Ethics or
Church History.

Ministry Track (12 courses)

RE 183, 231, 241, 272, 320, 365,
384, 387, 389, 458, one elective
in Christian Education,
internship.

REQUIREMENTS FOR A PHILOSOPHY MAJOR (12 courses)

PH 110, 210, 205 or 305, 206
or 306, 225, 320, 335, 351, 499,
plus three approved courses,
at least one in a specific
philosopher.

REQUIREMENTS FOR A RELIGION MINOR (5 courses)

Courses as approved by a
departmental advisor.

REQUIREMENTS FOR A PHILOSOPHY MINOR (5 courses)

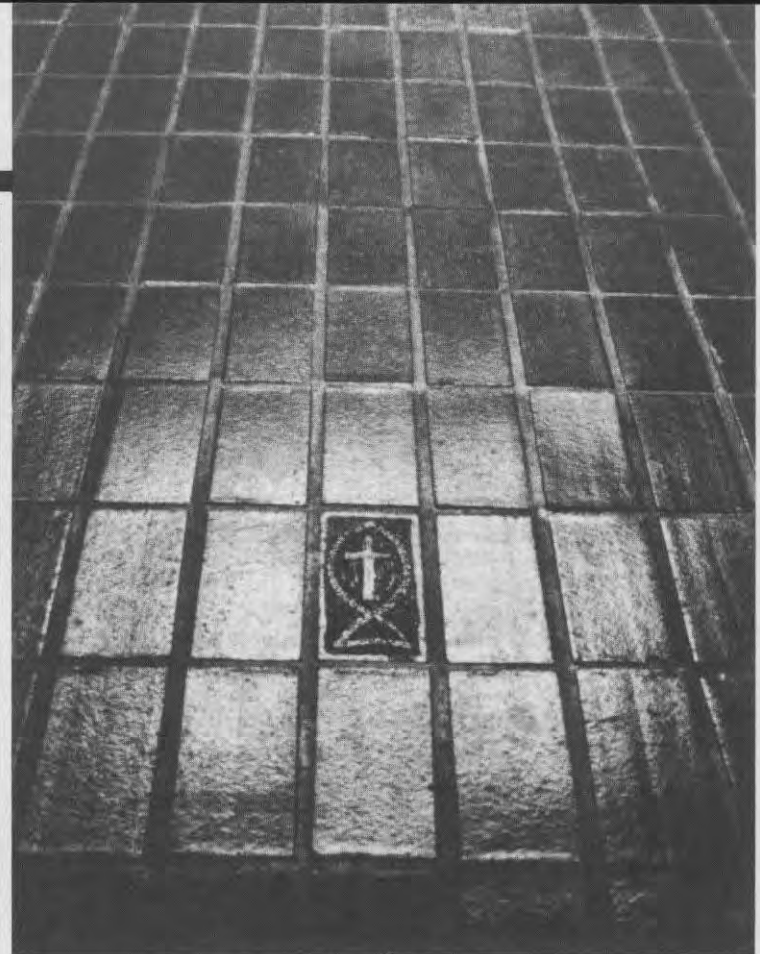
PH 205 or 305, 206 or 306, 320,
plus two approved courses.

THE PRE-MINISTRY PROGRAM

Whitworth College is deeply committed to enabling students to receive the best preparation for entering a career in professional ministry. The Department of Religion and Philosophy and the Chaplain's Office coordinate this program, which is not a formal degree program, but rather an extension to a traditional degree.

Students are urged at least to minor in religious studies.

The college is visited on a regular basis by representa-



tives of many of the finest seminaries in the country. Pre-ministry students are encouraged to meet with these representatives to find out more about seminary education and preparation for professional ministry.

The Chaplain's Office sponsors a conference for pre-ministry students on a regular basis.

A wide variety of service and leadership opportunities in church, para-church, campus ministry, and service organizations is available.

Pre-ministry students are advised by faculty and chaplains who have many years of experience in professional ministry. Several members of Whitworth's faculty are ordained, and many others have formal theological training and have served the church as laypersons.

COURSES

RELIGION

**RE 131, 331
GENESIS**

Full Course

Thorough study of the theological implications of Genesis. Interpretation from a Reformation-Christian perspective.

**RE 140, 340
THE GOSPEL OF LUKE**

Full Course

**RE 141, 341
THE GOSPEL OF MARK**

Full Course

**RE 142, 342
THE GOSPEL OF
MATTHEW**

Full Course

**RE 147, 347
THE GOSPEL OF JOHN**

Full Course

**RE 183
INTRODUCTION TO
MINISTRY**

Full Course

Biblical base for understanding and developing goals and approaches to ministry. The person in ministry, mission of the church, future shape of ministry.

**RE 203
BIBLICAL
BACKGROUNDS**

Full Course

A study of the historical and geographical setting of the Bible. Offered irregularly, sometimes in conjunction with study tours to Israel or Greece.

**RE 230
INTRODUCTION TO THE
BIBLE**

Full Course

Basic introduction to the background and content of the Biblical books. Apocrypha, formation of the Bible, unity and diversity, revelation and Biblical authority, exegetical tools, hermeneutical principles.

**RE 231
OLD TESTAMENT I**

Full Course

Old Testament as preparation, foundation for the New Testament. Social reform, ancient history, value as literature.

**RE 233, 333
BEGINNING HEBREW**

Half or Full Course

Study of selected Old Testament passages in the original Hebrew language.

**RE 241
NEW TESTAMENT I**

Full Course

Study of the historical background, characteristics, content of the individual New

Testament books, with a view to gaining a good working knowledge of the New Testament.

**RE 242
LIFE AND TEACHINGS OF
JESUS**

Full Course

Biblical records of Jesus Christ and his ministry as found in the four Gospels. Interpretation, application to life and thought today.

**RE 244
I CORINTHIANS**

Full Course

Paul's letter concerning how to relate with the real world. Radical implications for interpersonal relationships in today's complicated, diverse world.

**RE 245
THE INTERPRETATION OF
JESUS**

Full Course

The many ways that Jesus has been understood, beginning in Biblical times and moving through history to the present. Art, film, literature as well as Bible, theology.

**RE 246, 346
THE BOOK OF
REVELATION**

Full Course

A study of the text and contemporary relevance of Revelation.

**RE 263
CHRISTIAN
ESCHATOLOGY**

Full Course

An intensive study of the Christian view of the "last things," including heaven, hell, final judgement, and Christ's second coming, with special emphasis on the second coming.

**RE 272
RELIGIONS OF THE
WORLD I**

Full Course

Introduction to several of the world's main religions. Historical developments, ideas, concepts.

**RE 283, 383
DIAKONIA**

Full Course

Students assigned to situations where they are called on to experience growth in faith and practical skills. Exploration of the meaning of mission. Placement in the United States and abroad. Relevance of the gospel to all areas of human need.

**RE 294, 394
EDUCATIONAL
MINISTRIES**

Full Course

A thorough study of the educational mission of the church including faith development, organization and administration, and specialized approaches to particular age groups.

**RE 301, 302 (GK 301, 302)
NEW TESTAMENT GREEK**

Full Courses

Concentrated study of Greek vocabulary, grammar, syntax, culminating in reading of I John in Greek. Fall, Spring.

**RE 320
PHILOSOPHY OF
RELIGION**

Full Course

See Philosophy (PH 320) for course description.

**RE 332
PSALMS AND WISDOM
LITERATURE**

Full Course

A study of the major books of the third part of the Hebrew Bible, "the Writings," with special emphasis on the forms of Hebrew literature.

RE 333 - see RE 233

**RE 334
OLD TESTAMENT
PROPHETS**

Full Course

A study of the second part of the Hebrew Bible, "the Prophets," with special emphasis on Isaiah and Jeremiah.

RE 340 - see RE 140

RE 341 - see RE 141

RE 342 - see RE 142

**RE 345
NEW TESTAMENT ETHICS**

Full Course

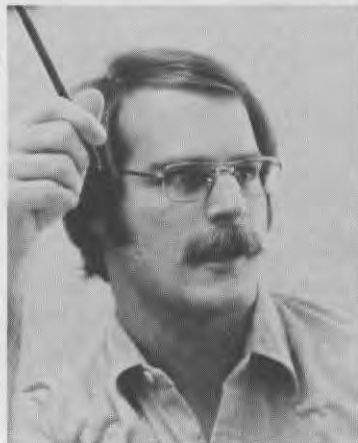
Ethical issues and principles in New Testament writings. Implications for contemporary moral issues. Sex, marriage and divorce, wealth and poverty, status of women, attitudes to government. Prerequisite: RE 241.

RE 347—see RE 147

**RE 348
NEW TESTAMENT
THEOLOGY**

Full Course

Theology of the New Testament writings: synoptic gospels, John, Acts, Paul, general epistles, Apocalypse. Prerequisite: RE 241.



**RE 349
PAUL'S LETTERS**

Full Course

Detailed study of the Pauline Epistles, with primary focus on Paul's theology and ethics. Prerequisite: RE 241.

**RE 359
REFORMATION
THEOLOGY**

Full Course

Seminar study of the major writings of the sixteenth century Reformation. Emphasis on Luther, Calvin.

**RE 361
CHRISTIAN DOCTRINE**

Full Course

A study of the major doctrines of the Christian faith.

**RE 365
HISTORY OF THE
CHURCH**

Full Course

**RE 372
CUSTOMS AND CULTURE
OF JUDAISM**

Half Course

**RE 374 (274)
SECT, CULT, AND
DENOMINATION**

Full Course

The varied forms of religious organization, belief and practice, including both the typical and the atypical.

RE 383 - see RE 283.

**RE 384
CHRISTIAN ETHICS**

Full Course

Sources and norms of Christian ethics. Situation ethics, love and justice, understanding of charity and social action.

**RE 387
YOUTH MINISTRY**

Full Course

Understanding the adolescent, communicating the Gospel, Christian nurture and community, counseling, program development.

**RE 389
MODELS OF MINISTRY**

Full Course

Nature of effective ministry. Insight into ministerial methods from invited professionals. January.

**RE 393
CHRISTIAN
SPIRITUALITY**

Full Course

A survey of the great devotional literature of Christian history as well as an opportunity for exploring personal approaches to spiritual formation.

RE 394—see RE 294

**RE 401, 402 (GK 461, 462)
ADVANCED NEW
TESTAMENT GREEK**

Full Courses

Completion of grammar study and translation of representative selections from the New Testament.

**RE 451
INTERPRETATION OF THE
NEW TESTAMENT:
HERMENENTICS**

Full Course

Detailed study of the history of the interpretation of the New Testament. Hermeneutical issues. Critique of two extremes: fundamentalism, Bultmann.

**RE 457
CONTEMPORARY
RELIGIOUS THOUGHT**

Full Course

Seminar course dealing with a variety of topics and religious views. Comparison of religious, secular outlooks.

**RE 458
HISTORY OF CHRISTIAN
THOUGHT**

Full Course

Seminar study of major writings from each of the main periods of church history: ancient, medieval, Reformation, modern.

**RE 466
THE EARLY CHURCH**

Full Course

The early church to 451 AD. Problems in development and doctrines. Analysis of original documents.

PHILOSOPHY

**PH 110
INTRODUCTION TO
PHILOSOPHY**

Full Course

The skill of critical thinking. Preparation for the understanding, evaluation of great ideas. Spring.

**PH 201
LOGIC**

Full Course

The formal nature of logical thought and the informal, practical application of critical thinking to the analysis of arguments. Fall, Spring.

**PH 205, 305
HISTORY OF ANCIENT
AND MEDIEVAL
PHILOSOPHY**

Full Course

Survey of Western thought from its development in Greece through the Middle Ages. Plato, Aristotle, Augustine, Anselm, Thomas Aquinas. Prerequisite: PH 110 or Core 250.

**PH 206, 306
HISTORY OF MODERN
PHILOSOPHY**

Full Course

Western thought from Descartes through the nineteenth century. Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, Kant, Hegel. Prerequisite: PH 201.



**PH 225
CONSTRUCTING A
PHILOSOPHY OF LIFE**

Full Course

A rational look at one's life with regard to personal philosophical goals. Different schools of philosophy and their contributions to the practical goal of life orientation.

**PH 320
PHILOSOPHY OF
RELIGION**

Full Course

Place of reasons in faith, classical arguments for and against the existence of God. Philosophical approach to religious language, miracles, immortality. Spring.

**PH 326
PHILOSOPHY OF
HISTORY**

Full Course

Different interpretations of the meaning (if any) of history. Augustine through Toynbee, Niebuhr.

**PH 335
EPISTEMOLOGY/
METAPHYSICS**

Full Course

The nature of reality (metaphysics) and the nature, grounds, and limits of human knowledge (epistemology). Prerequisite: PH 206 or 306 or permission.

**PH 351
PHILOSOPHICAL ETHICS**

Full Course

Nature of moral judgements and values. Examination of the criteria on which ethical decision-making is based.

**PH 353
LITERATURE OF
EXISTENTIALISM**

Full Course

Philosophical examination of existentialism as its principles are revealed in literature.

**PH 367
AMERICAN PHILOSOPHY**

Full Course

Study based on primary sources. Pierce, James, Dewey, Royce, Santayana.

**PH 368
AESTHETICS**

Full Course

Discovery, analysis, application, enjoyment of the elusive qualities of aesthetic terminology.

**PH 370-379
MAJOR PHILOSOPHERS**

Full Courses

In-depth studies of major philosophers such as Plato, Aristotle, Kant, Wittgenstein.

**PH 420
PHILOSOPHY OF
SCIENCE/INDUCTIVE
REASONING**

Full Course

Nature of scientific laws, concepts, theories, terms. Tendency toward reductionism, character of scientific exploration.

**PH 430
ANALYTIC PHILOSOPHY**

Full Course

An examination of the contemporary movement in language philosophy from Frege and Russell through Wittgenstein to the present. Prerequisite: PH 206 or 306 or permission.

**PH 435
SOCIAL PHILOSOPHY**

Full Course

The application of philosophy to the structure of society itself, e.g., the political, the economic, the historical.

**PH 499
SENIOR SEMINAR.**



SOCIOLOGY AND ANTHROPOLOGY

FACULTY

Ronald G. Frase, Frank E. Houser, Terry Kershaw, Donald H. Liebert.
Chair: Dr. Liebert

REQUIREMENTS FOR A SOCIOLOGY MAJOR (13 courses)

SO 120, 378, 379, plus five approved Sociology courses. Math 356 (Statistics). Four approved courses from Computer Science, Economics, History/Political Studies or Psychology (maximum one course in Computer Science.)

REQUIREMENTS FOR AREAS OF CONCENTRATION:

Can be worked out in consultation with the Sociology faculty.



COURSES

SOCIOLOGY

SO 120 SOCIAL REALITY

Full Course
Develops some basic understandings of social behavior, operations of societies. Fundamental processes, prospects of American society. Fall, Spring.

SO 227, 327 (222, 322) CONTEMPORARY LATIN AMERICAN PROBLEMS

Full Course
Wide range of problems facing Latin American societies, based on underdevelopment in their colonial past. Thematic approach: the

military, peasants, Indians, U.S. foreign policy, multinational corporations, urbanization, education.

SO 232, 234

See Recreation (RC 232, 234) for course descriptions.

SO 233 IS LOVE ENOUGH?

Full Course
An analysis of the components of a successful marriage. January term.

SO 236 SOCIOLOGY OF BLACK AMERICA

Full Course
Development of the black community through development of the black family and institutions. Two models: colonial, assimilation.

SO 240 AGING IN AMERICAN SOCIETY

Half Course
Issues of coping with advanced age. Role of children, friends, community, the nation. Spring.

SO 244 I CORINTHIANS

Full Course
See Religion (RE 244) for course description.

SO 250, 350 DEVIANT BEHAVIOR

Full Course
How and why people become delinquents, addicts, deviants; and possible solutions. Spring.

SO 251 INTRODUCTION TO CULTURAL ANTHROPOLOGY

Full Course
The nature of culture, descriptive and comparative analysis of primitive cultures and peasant societies. Insight into issues such as race, stratification, causes of poverty and war. Spring.

SO 258, 358 WORK AND LEISURE

Full Course
Developing an understanding of society and personal life-style choices. Family life-styles, the occupational order, the non-work culture, tourism.

SO 265, 365 URBAN COMMUNITIES

Full Course
Understanding today's urban world and its problems. Development of the city, patterns of urban settlement, influences of urban environment on groups and individuals. Social aspects of urban planning. Fall.

SO 311 THE FAMILY

Full Course
Study of changes of attitudes toward courtship, marriage, family. Why they are happening, the consequences, what stance we must learn to adjust wisely. Fall.

**SO 312
SOCIAL PROBLEMS**

Full Course

Sources, reasons for persistence of such social problems as race relations, dying cities, poverty. A look at how society works. Fall.

SO 327—see SO 227

**SO 332
ENVIRONMENTAL
SOCIOLOGY**

Full Course

Reciprocal relationship between the natural environmental and society. Effect on the technology, organization, population of the society.

**SO 334
POPULATION**

Full Course

How mortality, fertility, migration affect the distribution of population. Possible directions of future population growth.

**SO 343
SOCIOLOGY OF
RELIGION**

Full Course

Understanding of U.S. and foreign religious behavior in theoretical, methodological terms. Sociology as both a threat to cherished beliefs and as a valuable tool for ministry. Spring.



SO 358—see SO 258

SO 365—see SO 265

**SO 371
INTRODUCTION TO
SOCIAL SERVICES**

Full Course

Community, agency responses to social welfare problems. Child abuse and neglect, family assaults, rehabilitation programs.

**SO 378
SOCIAL THEORY**

Full Course

Classical sociological explanations of social behavior. Student theory building. Sociology as an art form. Fall.

**SO 379
SOCIAL RESEARCH**

Full Course

Basis for evaluation of sociological research. Research skills: hypothesis building, questionnaire construction, interviewing techniques, observation skills, data interpretation. Spring.

**SO 385
SOCIOLOGY OF WEALTH
AND POVERTY**

Full Course

Inequalities of power, prestige, wealth in society. Analysis of lifestyles, situation of the poor, relation of social policy to inequality. Spring.

**SO 425
UNDERSTANDING THE
JUVENILE OFFENDER**

Full Course

An examination of the contributing factors relating to the development of juvenile delinquency.

**SO 426
THE JUVENILE JUSTICE
SYSTEM**

Full Course

A study of the components, agencies, and programs that make up the juvenile justice system.

**SO 430
SPORTS AND SOCIETY**

Full Course

See Physical Education (PE 430) for course description.

**SO 444
URBAN STUDY OF SAN
FRANCISCO**

Two Full Courses

Part of an urban term program in cooperation with Westmont College. City resources, land use, minorities and ethnic groups, urban emotional health, the arts, relevance of Christian faith to city human issues.

HEALTH CAREERS



REQUIREMENTS FOR A MAJOR IN HEALTH MANAGEMENT (Bachelor of Health Science)

Management Emphasis (minimum of 12 courses)

HS 336, 337, 466, 467, 468.
Math 175, 356.

One of the following:

HS 410, 476, 477, 478.

Four of the following:

Business 325, 332, 357, 373, 374,

Econ 203 (Bus 325 and 373

may not *both* be used as part
of these four courses).

Supportive coursework if
deemed necessary by the
advisor.

An internship for non-health
professionals.

Health Education Emphasis (minimum of 12 courses)

HS 336, 337, 410, 476, 477,
478.

Math 175, 356.

Four of the following:

Business 325, 332, 357, 373, 374,

Econ 203 (Bus 325 and 373

may not *both* be used as part
of these four courses).

Supportive coursework if
deemed necessary by the
advisor.

An internship for non-health
science professionals.

REQUIREMENTS FOR AREAS OF CONCENTRATION:

It is to be understood that
completion of any of the
following health career
programs does not guarantee
admission to professional
school. It is essential that a
student entering one of these
programs contact the indi-
cated advisor as soon as
possible.

Premedical/Predental

A total of 17 courses including
six from another declared
major.

Biology 151, 251 or 350, 323 or
354, 363.

Chemistry 151, 153, 261, 263.

Mathematics 110, Physics 151,
153. PS 251 recommended.

No Pass/No Credit grades
in basic courses or those
required by professional
school.

Preparation for national tests.
Contact Dr. R.D. Bocksch.

Pre-Medical Technology

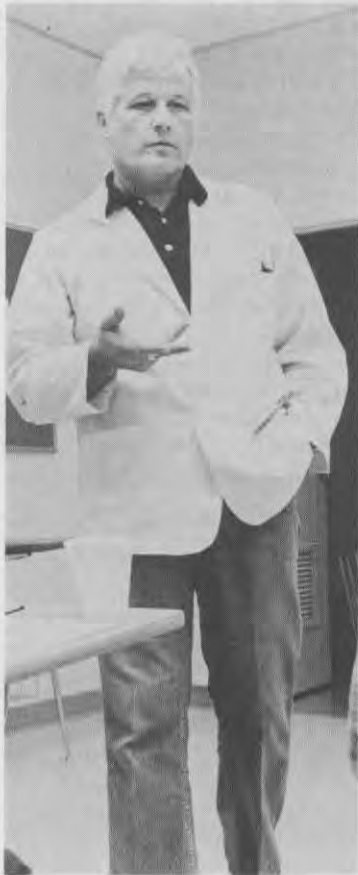
Two years at Whitworth, two
years of specialized course-
work at an appropriate uni-
versity. Specialized courses
may be taken locally at other
colleges or universities and
transferred into a Whitworth
degree program.

Suggested two year program
(students, in particular from
other states, may need to
make substitutions in order to
meet transfer requirements):

Freshman: (Fall) Biology 151, Chemistry 151, Math 110, English 110. (Spring) Biology 204, Chemistry 153, Math 175, Social Science Elective.

Sophomore: (Fall) Biology 220, Chemistry 261, Physics 151, Elective. (Spring) Biology 221, Chemistry 263, Physics 153, Elective.

Contact Dr. R. S. Winniford.



Preoccupational Therapy

Two years at Whitworth followed by professional schooling elsewhere. Whitworth courses taken must be tailored to meet professional school requirements. The courses detailed below are required by most professional programs.

Mathematics 109, 110. Physics 151, 153, Chemistry 133, 137.

Biology 220, 221.

English 110, Psychology 201, 210, Sociology 120.

Contact Mrs. C. Gavareski.

Prephysical Therapy

Two years at Whitworth, then transfer to an accredited physical therapy program at another school.

Courses should be chosen to meet the requirements of the particular professional school. Those listed below are most frequently listed. Chemistry 133, 137. Biology 204, 220, 221. Math 109, 110. Physics 151, 153. English 110, Psych 201, 210, Soc 120.

Contact Mrs. C. Gavareski.

Predental Hygiene

Two years at Whitworth, then transfer to an accredited dental hygiene program.

Biology 151, 204, 220, 221, Chemistry 133, 137, 261, Nutrition 361, English 110, Psych 201, Soc 120, Speech 113.

Contact Dr. R. Wang.

Prepharmacy

Two years at Whitworth, then transfer to a professional pharmacy school.

Biology 151, 204, 220, 251,

Chemistry 151, 153, 261, 263.

Math 109, 110.

Physics 151, 153, English 110.

Contact Dr. R. S.

Winniford.

REQUIREMENTS FOR DEGREE NURSING PROGRAM

Whitworth College is a member of a four-year consortium which offers a nursing degree through the Intercollegiate Center for Nursing Education (ICNE). This program is accredited by the National League for Nursing and is approved by the Washington State Board of Nursing.

The lower division courses are offered on the campus of each institution. The coursework for juniors and seniors is offered at ICNE. Upon completion of lower division courses, formal application for admission into upper division coursework at ICNE is required. Admission into Whitworth College and completion of prerequisites does *not* assure admission to the Center.

In order to be considered a Nursing major, students must be assigned to a nursing program advisor and be placed on the official nursing major registry. Only these

Nursing majors will be considered for nursing loans and scholarships and as applicants to the upper division major.

The following courses are required as prerequisites to the upper division program at ICNE:

Freshmen: Chemistry 133, 137, Psychology 201, Sociology 120.

Sophomores: Biology 204, 220, 221, Nutrition 361, Psychology 210 or Education 350.

Foreign Language requirement waived, off-campus requirement met by ICNE enrollment, English 110 as communications requirement.

Contact Mrs. Winniford for additional information.

**Health Specialist Options:
Cardiopulmonary Science,
Respiratory Science, Health
Facilities Management, other
health science areas**

Whitworth allows flexibility in design of areas of concentration in health sciences, recognizing professional registry/certification as a major field. Basic courses are chosen to complement the profession. A degree is based upon:

1. Being currently registered/certified as a professional in a recognized health field.
2. Satisfying general graduation requirements as appropriate.
3. A minimum of twelve courses, preselected in consultation with a program advisor, over and above prerequisite courses completed for the professional certification.
4. A minimum of 36 courses for graduation. Evaluation of course credits from professional schooling/training to be done by the Registrar in conjunction with the Professional Health Science Program Advisor.

Additional information available in the Continuing Studies Office.

COURSES

HEALTH SCIENCE

**HS 336
HEALTH CARE SERVICES
MANAGEMENT I**

Full Course

Current issues and trends in health care delivery in the U.S. Management theory and practice, health law, health education. Evaluation of problems confronting local health care institutions.

**HS 337
HEALTH CARE SERVICES
MANAGEMENT II**

Full Course

Assessment of the local situation in relation to the national macro- and micro-economic dynamics. Use of general marketing theory. Relation of microcomputer technology to financial management and strategic planning.

**HS 410
EDUCATIONAL
CONCEPTS FOR HEALTH
EDUCATORS**

Full Course

Application of traditional teaching theories and instructional skills to health education settings such as hospital patient education programs, outpatient clinics, community programs.

**HS 466
HEALTH CARE
FINANCIAL
MANAGEMENT**

Full Course

Analysis of the current economic and financial dynamics affecting the health care industry, and their relation to local health care institutions.

**HS 467
HEALTH CARE
MARKETING**

Full Course

Principles of marketing as applied to the health care service industry. Identification of major strengths and weaknesses in this approach to resource allocation.

**HS 468
HEALTH CARE SERVICES
MANAGEMENT III**

Full Course

General management theory and practice as applied to the issues of productivity decision making, corporate responsibilities, community responsibilities.

**HS 476
HEALTH EDUCATION
TRENDS AND ISSUES**

Full Course

Relation of health science trends and issues to the practice and application of effective health education.

**HS 477
DEVELOPMENT AND
EVALUATION OF HEALTH
EDUCATION PROGRAMS**

Full Course

Principles of curriculum development. Selection and evaluation of resource materials. Theory and practice in measurement as used in evaluation of patient education, program development, general health care delivery.

**HS 478
CURRENT HEALTH
PRACTICES AND
PREVENTIVE MEDICINE**

Full Course

Unified concepts of health and disease, including treatment of body, mind, and spirit, as applied to a sound philosophy of the moral obligation to preserve one's own health. Wholistic approaches to health care delivery. Biological, psychosocial, and environmental factors which emphasize disease prevention and optimum health maintenance.

CORE AND FORUM



CORE

The Core Courses are interdisciplinary, thematic courses to acquaint Whitworth students with the major historical forces which have shaped our patterns of thinking, defined our value commitments, and created the options of behavior open to us today.

CO 150 WESTERN CIVILIZATION I Full Course

The Judeo-Christian Tradition. Thematically organized foundational course in Western civilization. An interdisciplinary teaching team explores basic Jewish and Christian perspectives on such topics as human nature, creation-fall-renewal, living of modern life from a stance of faith.

CO 250 WESTERN CIVILIZATION II Full Course

The Rationalist Tradition. Origins, development of classical humanism and its challenges and meaning in the world today. Philosophy, literature, art and science in ancient Greece, the Middle

Ages and the Renaissance and their continuing impact. 20th century challenges to rationalism and humanism.

FORUM

All full-time Whitworth students are enrolled in The Forum for academic credit each long term in which they are in residence. Forum brings together the entire campus community twice a week. By consciously relating the intellectual perspective to the particular subject matter, the college provides a model for the practical utility of college education. Forum is planned by a student/faculty committee related to the Chaplain's Office, and reflects broad implications of Christian theology intersecting all aspects of contemporary experience.

GE 101, 102, 201, 202, 301, 302, 401, 402

FORUM

Quarter Courses

An all-college course providing opportunity for faculty and visiting lecturers to apply their disciplines and concepts to issues in our society and the world.



INDEPENDENT STUDIES

The following courses are available in each department.

191, 192, 291, 292, 391, 392, 491, 492, 591, 592

INDEPENDENT STUDY

Variable Credit

Special projects may be undertaken tutorially by well-qualified students. Department approval of proposals is based upon 1) demonstrated readiness of the student for working independently, 2) no regular course covers the project materials, and 3) a faculty member agrees to supervise the study. Submit proposals on department forms to the coordinator by registration day of a new term. Full course. Fall, January, spring or summer terms.

180, 280, 380, 480

FIELD STUDY

Variable Credit

Off-campus exploration in a field new to the student. Work experience combined with extensive observation.

390, 490

INTERNSHIP

Variable Credit

Off-campus experience for students with some professional background. Participation in the activities of the sponsoring organization.

386, 486, 586

READINGS

Variable Credit

Evaluation of literature in the student's field of study

395, 495

TEACHING ASSISTANT

Variable Credit

Experience for advanced student to aid the faculty member in such areas as paper and test grading, discussion leadership, tutorial work, lecture or test planning.

"Where your teacher knows your name and the learning is personal."

GRADUATE AND CONTINUING STUDIES

The Whitworth tradition extends to graduate study with programming in areas relevant to the improvement of the total human condition. Persons seeking to enter a professional position or who are currently employed in a wide variety of human service areas will find a program which suits their needs. Persons interested in advanced study at Whitworth should request a copy of the *Graduate School Bulletin*.

Degrees offered include the Master of Education, the Master of Health Science, the Master of Arts in Teaching, the Master of Arts in Applied Behavioral Science, and the Master of Arts in Religious Studies.

Programs for educational personnel include continuing teaching certificates, reading specialist certification, guidance and counseling certification, and school administration certification. These programs are compatible with the M.Ed or M.A.T. degrees.

The Master of Health Science program emphasizes health education while the Master of Arts in Applied Behavioral Sciences prepares organizational leaders and change agents.

For further information on graduate programs contact the

Dean of the Graduate School, Whitworth College.

Continuing Studies at Whitworth is the arm of the college which manages evening school, summer school, all extended programs, and continuing professional education.

For specific information on these programs, or to receive an Evening School Bulletin or Summer School Bulletin, contact the Office of Continuing Studies, Whitworth College.



CAREER AND LIFE PLANNING

Planning for your life after college is an important aspect of the years you spend in college. The choice of a career should flow out of the self understanding that develops as a result of the total college program. The Career and Life Planning program assists students in values clarification and in the setting of life goals so that they will know how they want to invest their lives. Career seminars, workshops, the Career Resource

Center and the Placement Office help students plan for their future.

In addition to their liberal studies programs many students also pursue programs in a variety of pre-professional and pre-career fields. Some of these programs are listed below.

Teacher Education

Whitworth has a teacher-training program leading to both elementary and second-

dary certification. These certification programs are approved by the Superintendent of Public Instructions for Washington State. Programs for elementary and secondary teaching at the baccalaureate level are also accredited by the National Council for Accreditation of Teacher Education. A high percentage of certified graduates (70-88%) are placed in teaching positions each year through the college's Teacher Placement Office.

Medical Health Careers

Whitworth has designed a number of Areas of Concentration which lead to careers in Health services. One of the outstanding programs available to our students is the Intercollegiate Center for Nursing Education. Students from four colleges, Washington State University, Fort Wright College, Eastern Washington University and Whitworth College, attend the center during their junior and senior years. A wide variety of field and hospital experience is provided through the professional preparation offered at the Center.

Business Careers

The options in the Economics, Business Management and Accounting Departments provide the basic education for a variety of career possibilities in business.

ROTC/Military Science

Whitworth students may elect to spend several years as officers in the military service following graduation. The volunteer Army's new ROTC program for both men and women students emphasizes a number of competencies required for military and civilian leadership and management roles. Students enrolled during the first two years of college have no military service obligation. At the end of the sophomore year, students may apply for advanced study which provides a monthly stipend for the last two years and several options for fulfilling the military service obligation upon graduation. Academic courses taken in the ROTC program provide regular credit toward graduation.

The following courses are taught on a regular basis at Whitworth by members of the Military Science/ROTC program at Gonzaga University:

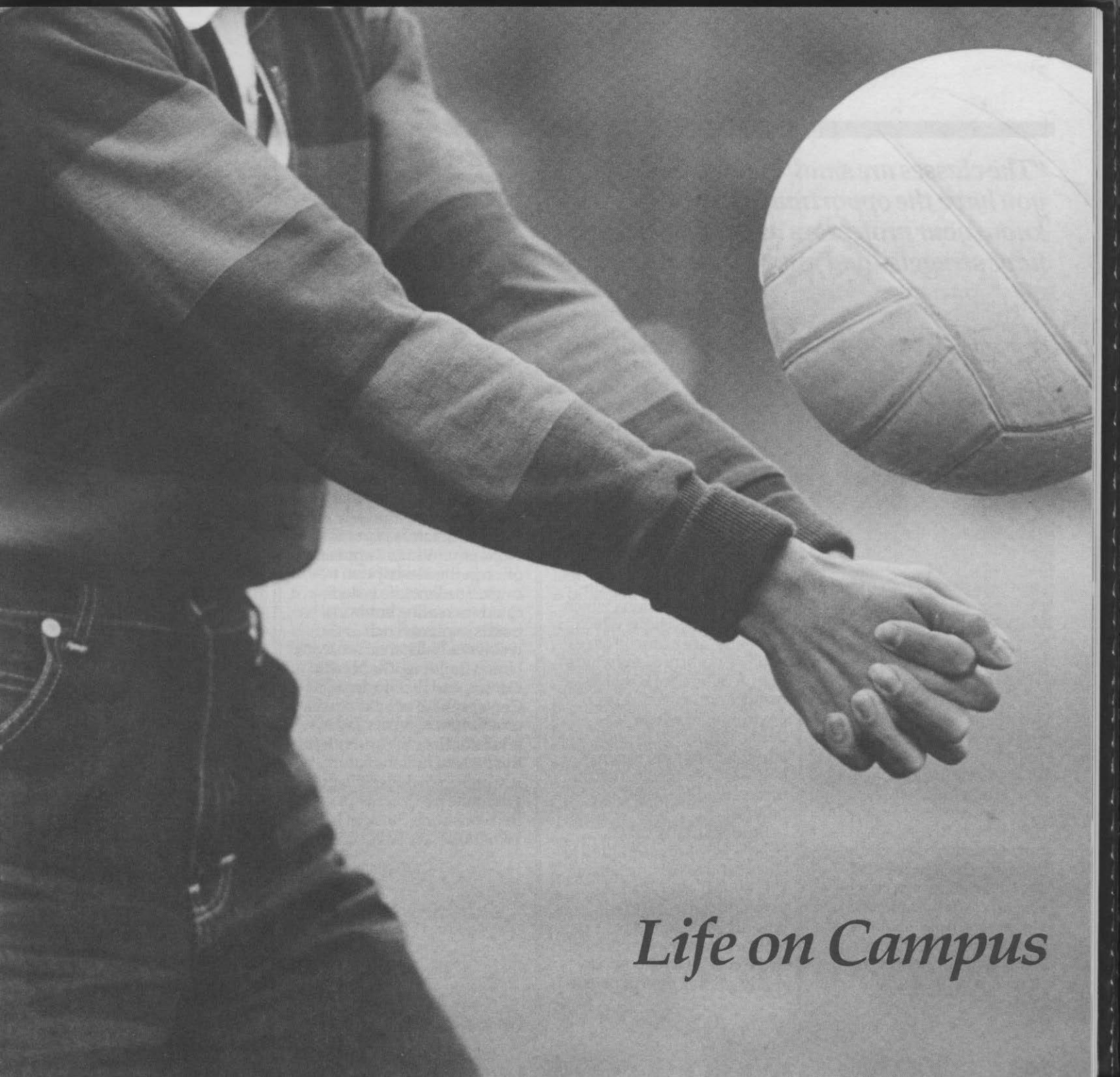
**MI 151, 152
WORLD MILITARY
HISTORY**
Full Courses

**MI 253, 254
INTERNATIONAL
COMPETITION**
Full Courses

In addition, students may enroll in MI 301, 302, 401, 402—General Military Science, field courses taught on the Gonzaga campus.

For further information, contact Gonzaga University, Spokane, WA 99258.

"To share the experience and excitement of college with friends."



Life on Campus

"The classes are small enough so that you have the opportunity to get to know your professors as people who have struggles and joys, just as we do."

STUDENT LIFE PROGRAM

Pairing roommates, assigning rooms, treating your minor ailments, helping you locate a part-time job and advising you about your career choice all are activities of the Student Life Program. So are finding you a tutor, aiding adjustment of minority and international students, planning a pop concert, movie night, dance or wilderness trip, counseling with policy violators and grooming you for your first job interview after graduation.

As you can see, Student Life is many things. It is a program dedicated to the belief that a small residential Christian liberal arts college environment is a fantastic place to learn about ourselves and others. Student Life considers college not to be just a preparation for life, but life

itself; for the events which take place on the campus, the activities in which students, faculty and staff engage, the relationships which are developed, the emotions which are felt, the decisions which are made, are every bit as real as those occurring anywhere else. A difference is that these realities are occurring in an environment where students, faculty, staff, and administrators are eager to help each other gain a better understanding of self and others.

Student Life is *people*, people who are committed to Christ and to serving Him at Whitworth. Student Life people include lots of students who are in positions of leadership where they contribute to the college while concurrently gaining interpersonal

and group skills, work experience, intellectual abilities, emotional strength, and putting their faith into action. Seventeen percent of the student population is involved in leadership roles of this nature. Student Life also includes adults who are trained as nurses, psychologists, behavioral scientists, career planning specialists, secretaries, bookkeepers, residence life administrators, physicians, academic advisors, and the list goes on. Whitworth values having people with these skills as part of the total education environment of the college.

Student Life is *places*. The word environment appears often in this description because Student Life is dedicated to creating environments in places such as the residence halls, the Hardwick Union Building, the Health Center, and the Student Life Center where people can discover more of what God intends for their lives—both for the present and the future.

Come experience the program, the people, the places that constitute Student Life at Whitworth.



THE CHAPLAINS' OFFICE PROGRAM

Christian communities come in many shapes and sizes. Whitworth's mandate is to be a liberal arts residential college where freedom and diversity accompany an enthusiastic commitment to Jesus Christ. As a college community, we seek to affirm by thoughtful inquiry and responsible action the Biblical and historic faith.

It is the special responsibility of the Chaplains' office to provide nurture, worship and service opportunities which deepen the faith commitment of the Christian community at Whitworth, Campus Worship, Compline (evening prayer), and mid-week chapel services draw together students, faculty and staff. Each term, more than twenty Bible study

groups meet in the residence halls. The Fall Conferences and other specialized conferences occur throughout the year. Focus Days, the Hunger Task Force, and the pre-ministry program are among the other activities that involve numerous students. The linking of personal faith and social concern is one of the most important syntheses occurring in the college years at Whitworth. For example, each summer students go out under the Diakonia program to serve in places like Northern Ireland, the Cameron House in San Francisco, The Voice of Calvary Ministries in Jackson, Mississippi, or a hunger project in Hawaii.

The service of the Chaplains' office are open to all students at Whitworth. No

student is asked to assent to a theological or ethical creed, but all who come here should know of Whitworth's own commitment to the Christian faith. Not all students come or leave with this commitment as their own, but we believe that every student should have an opportunity to seriously consider the Christian faith during his or her college years. For students who stand within the Christian community, college here can be years when faith is broadened and deepened.

The services of the Chaplains' office and the importance of the Christian life at Whitworth go far beyond traditional concepts of campus ministry. Students are encouraged to take responsibility for their own spiritual growth within the context of a supporting and caring Christian community.

We believe that Whitworth's commitment to Christ provides a cornerstone for a liberal studies education, an ideal preparation for responsible competent leadership.



"I think this experience was one of two which affected my life the most..."



ATHLETICS

Varsity and intramural athletics and club sports are also an important part of student activities on campus. Across the years college teams have won their share of championships and provided entertainment for thousands of fans. But even more important than the winning tradition and the excitement of competition is the way in which a student's participation in a sport builds maturity.

The college is represented by eight varsity men's teams as a member of the Pacific Northwest Intercollegiate Athletic Conference. Men's

"If I fall short of my goal there are people here to pick me up and get me moving again."

varsity sports are football, basketball, baseball, cross country, golf, tennis, soccer and track and field.

Whitworth women compete in six varsity sports: basketball, cross country, volleyball, swimming, tennis and track and field.

Men's and women's sports are affiliated with the National Association for Intercollegiate Athletics (NAIA).

The athletic philosophy is reflected in the following statement (May 1981):

"The philosophy of the Whitworth College athletic program must in every sense reflect and promote the Christian educational mission of the institution.

Striving for excellence in all endeavors, while providing equal competitive opportunities for both men and women should be characteristic of the programs. However, while emphasizing excellence there must be a determination to remain within the financial boundaries articulated by the college administration. The recruitment of quality student-athletes who can enthusiastically support the mission of both the athletic program and the college must be an important goal, and each student-athlete should be strongly encouraged to become an integrated part of the total campus experience: spiritually, academically and socially.

To augment the intercollegiate athletic program it is necessary to provide for a strong, well-funded intramural program geared toward life-time sports and high student participation. In addition, by expanding the role of club sports the total athletic program can more effectively include the larger student population.

It is important to provide the athletic program with highly competent professional coaches who can model the Christian mission of the college during the process of offering teaching and coaching excellence. At the same time, the integrity must exist to adequately fund all programs so that once they have been launched, each head coach or director has the opportunity to develop and maintain a strong quality effort."



LIBRARY

FACULTY:

Doris Banks, Virgil Dedas,
Robert Lacerte
Acting Director: Dr. Dedas

Whitworth college library plays a central and creative role in the educational program of the college.

The library provides materials in a variety of print and non-print media, and the staff participates in the college teaching program in such ways as providing class sessions, library orientations, research assistance, and individual consultation on student projects.

Perhaps the most important component of the library atmosphere is provided by the people on the staff who consistently provide friendly, professional service to students and faculty.

Centrally located on the campus, the library houses a balanced collection, totaling more than 75,000 volumes. Additional resources such as

musical scores, microfilms and documents are also available while interlibrary loan system makes resources from other libraries available to Whitworth students. The library is a member of the Washington Library Network which extends the resources of the library by helping in the location of materials throughout the region.



OFF-CAMPUS AND FOREIGN STUDY PROGRAMS

INTERNSHIPS

A vital part of liberal arts education is the integration of classroom studies with working environments off campus. At Whitworth all students are encouraged to prepare for later employment through training in the professional community. The internship-field study placements are available in all departments of the college. Those departments requiring or strongly recommending internships are as follows: Art, Business/Economics, Communication, Education (Student Teaching), History/Political Studies, Math/Computer Science, Nutrition, Psychology, Recreation, Religion (preministry), Science and Sociology.

Through the internship/field study program students practice the job search process and build contacts for future employment. Often times the intern is assigned special projects based on his/her goals. Sophomores or juniors who are exploring

major interests through the community experience and who expect, therefore, largely to observe activities in a field should enroll in "Field Study." The "Internship" title is reserved for juniors and seniors who intend to apply considerable background in their discipline to active work in the practicum. Students generally are graded on the basis of pass/no credit with a faculty adviser's evaluation based on remarks by the student's field supervisor and other reports such as journals or summary papers. Periodic and follow-up conferences with faculty advisers are required.

"A positive Sophomore year of searching and surprising myself at what I could do when I would say "Yes" to the many opportunities that Whitworth has provided for me."

Internships may qualify for from one to three full courses of credit and may take place during any term of the school year. Fall or spring term interns are encouraged to find Spokane locations. January term has become the most popular time for internship placements, especially those in other cities and countries. Academic departments have internship information available and should be consulted first. The Field Education Office coordinates the placement program and provides extra guidance and counseling for students.

Whitworth College does not guarantee internship vacancies to any student applicant nor do internships typically provide a salary. Students should expect to apply through an interview process. A pre-internship consultation with representatives of Student Life is normally required and a pro-

positional form must be submitted to Field Education prior to the term of study.

International summer internships with stipends are available through the International Cooperative Education program of the Pacific Northwest International/Intercultural Education Association. These placements are in European countries.

Some examples of the most popular domestic internships are: United States Senator's Office, Spokane; Legislative Internship, Olympia; Keytronics, Spokane; Amnesty International; Attorney General's Office, Spokane; Foster Care through the Department of Social and Health Services; Cheney Cowles Museum, Spokane; Old National Bank, Spokane.

FIELD COURSES

Every year during January Whitworth offers course work for students in San Francisco. Besides providing an orientation to urban culture, the San Francisco program facilitates practicum experience in recreation and psychology. Courses may vary from year to year but generally include studies in church services, literature, music, and the arts.

Diakonia, the summer Christian outreach of the

campus, also provides a chance for students to receive academic credit for volunteer Christian service. Diakonia students are selected on the basis of aptitude for diverse needy projects in this country and abroad.

The Campbell Farm, located near Yakima, Washington, is the setting for students who wish to focus on the religious, social and ethical issues related to the global food need. Working on the farm and participating in small-group seminars, students learn Christian meanings for work, hunger, agricultural systems, lifestyles, rural culture and environment. Formal courses are offered during January term and during the summer.

Another part of summer programming is the Arctic Barrens wilderness study, an adventurous trek to the far North emphasizing wilderness survival, flora and fauna research and photography.

MULTICULTURAL/ FOREIGN FIELD STUDIES

Knowledge of a major world culture other than one's own is a major learning goal at Whitworth. The college's multicultural and foreign field study programs have been expanded to provide the best opportunity for students to live and learn in

vastly different cultural settings. In these diverse courses involving travel, students acquire understandings which help to form their value systems, priorities, and commitments to serve a world in need. Participants, hopefully, return better prepared to live in an interdependent world.

Programs are for either individuals or groups and range in cost from no more than campus room and board to over \$3000 plus tuition in areas with a high cost of living. Official exchange programs of the college, such as with Hong Kong Baptist College, Keimyung University and Sheldon Jackson College, and domestic studies, such as those in San Francisco and Honolulu, are generally the least expensive.

At least one term each year, a group of Whitworth students locate in a foreign country for three months and receive instructions from Whitworth faculty. The repeated pattern of these "mini-colleges" abroad include France, Central America, the British Isles, and Africa (in planning stage only). These programs generally include from 20 to 40 students and are limited to sophomores through graduate students. Applications are received one year in advance and students may be screened on the basis of maturity and adaptability to

"Whitworth education demands participation if you're going to learn and the motivation comes in all areas to keep you going."

foreign environments. The schedule for these programs is as follows:

Full Term Courses

British Isles

Courses: English literature, History and Religion

Highlights: Ireland homestays, and study of political crisis in that area (conditions permitting)

Years: 1984 (fall) and every third year thereafter

France

Courses: French Literature, History and Art, including intensive French prior to departure

Highlights: Living in several French cities and French homestays

Years: 1983 (spring) and every third year thereafter

Central America

Courses: Contemporary Mexican and Central American Problems, including full term briefing course and intensive Spanish prior to departure

Highlights: Service internship and travel to Costa Rica, Guatemala, Nicaragua, and Mexico
Years: 1985 (summer); 1984 (spring) and every third year thereafter

Africa
Fall 1985

Exchanges

Hong Kong/China

Hong Kong Baptist College
Highlights: Option to travel to People's Republic of China—as numbers permit, program may grow to include faculty participation homestays, and/or service in China

Prerequisite: Asian culture course

South Korea

Keimyung University, Taegu, South Korea

Tutored by English speaking Korean professors and opportunity to teach English in exchange for room and board

Prerequisite: Asian culture course

Alaska

Sheldon Jackson College,
Sitka, Alaska

Highlights: Useful as an "other culture" study of the Alaskan Indian; recommended especially for students in education, the fine arts and sociology
Available anytime, although January term preferred

January Term

The one month of January is a period which affords an even broader variety of shorter study tours led by Whitworth faculty. Besides courses offered in regular pattern there are usually several "one-of-a-kind" experiences for student selection. Notice of these travel courses are made in late Spring or early Fall prior to the proposed January of travel. The repeated courses are as follows:

San Francisco

Courses: Psychology, literature, music, arts, recreation orientation to urban culture, and church services

Highlights: Annual opportunity to study diverse cultures within the city and attend symphonies, theatres and art galleries

Hawaii

Courses: Asian Studies, State Politics, Geology, Art

Highlights: Field interviews with local resource persons

Israel

Opportunity to attend the Institute of the Holy Land in Jerusalem; transfer study credit available in Biblical Archaeology

London

Course: Theatre Study

Highlights: Back stage interviews with performing artists

Years: 1984 and alternate years

Belize

Course: Tropical Biology

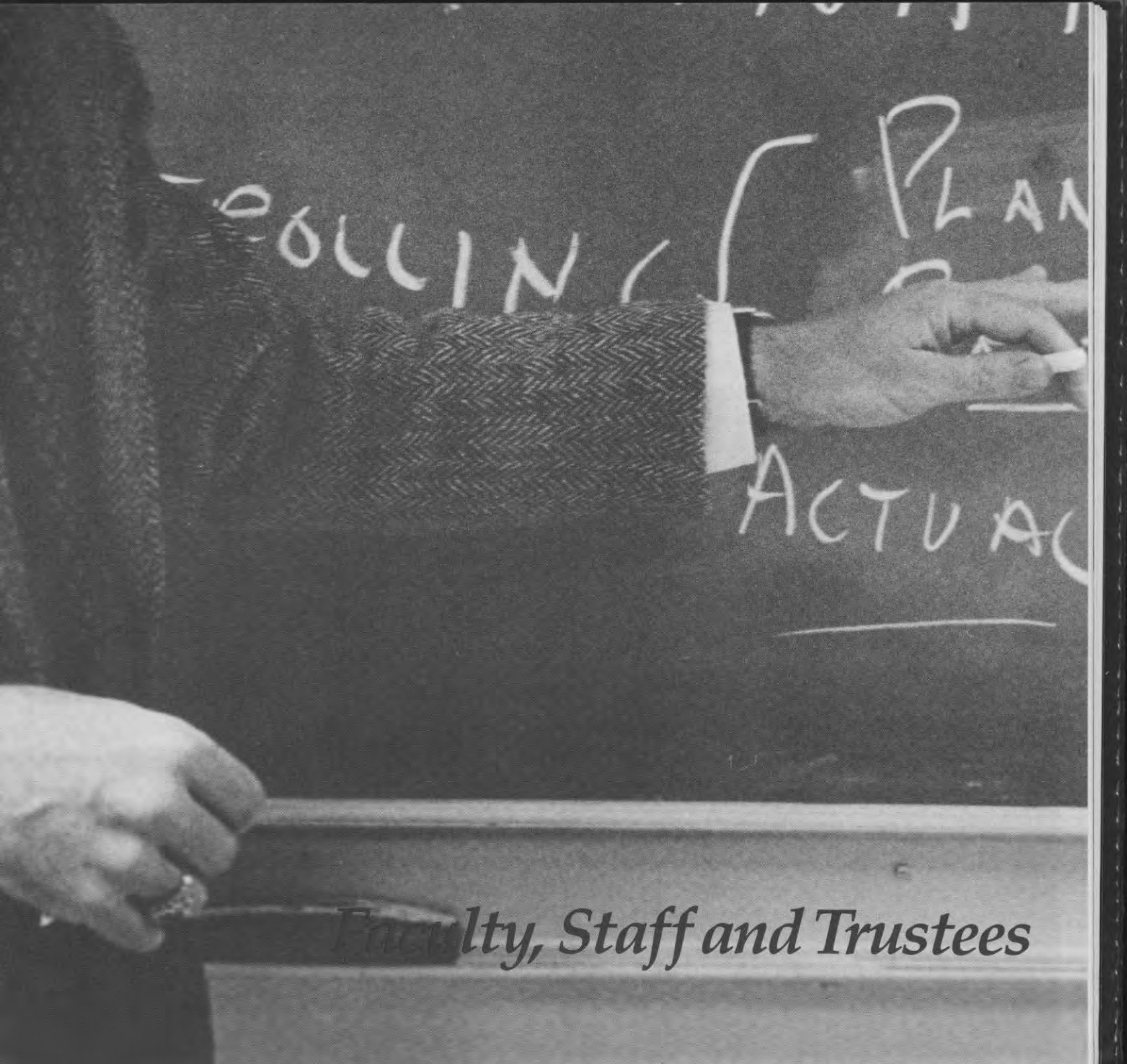
Years: 1983 and alternate years

Mexico

Course: Intensive Spanish

Highlights: Family exchanges and local sightseeing in Morelia, Michoacan





COLLINS

PLAN

ACTUAL

Faculty, Staff and Trustees

FACULTY

There are 65 full time faculty members with 41 holding earned doctorate degrees.

David A. Albert, Ph.D.

*Michigan State University,
Assistant Professor of
Education*

Jean P. Anderson, Ph.D.

*University of Minnesota,
Associate Professor of
Physical Education*

Lewis F. Archer, Ph.D.

*Drew University, Professor of
English*

Deane E. Arganbright, Ph.D.

*University of Washington,
Associate Professor of
Mathematics*

JoAnn Atwell-Scrivner, B.A.

*Willamette University,
Instructor in Physical
Education*

Forrest E. Baird, Ph.D.

*Claremont Graduate School
and University Center,
Assistant Professor of
Philosophy*

Doris H. Banks, M.A.

*University of Southern
California, Associate
Professor, Library*

Laura J. Bloxham, Ph.D.

*Washington State
University, Associate
Professor of English*

Robert D. Bocksch, Ph.D.

*University of Wisconsin,
Professor of Chemistry*

F. Dale Bruner, Ph.D.

*University of Hamburg,
Professor of Religion*

Lee Anne Chaney, Ph.D.

*University of New
Hampshire, Assistant
Professor of Biology*

A. Ross Cutter, Ed.D.

*University of California
Berkeley, Professor of
Physical Education*

Virgil A. Dedas, Ph.D.

*University of Kentucky,
Assistant Professor, Acting
Director of Library*

Harry Dixon, Ph.D.

*University of Illinois,
Professor of Business and
Economics*

Philip W. Eaton, Ph.D.

*Arizona State University,
Professor of English*

I. Dean Ebner, Ph.D.

*Stanford University,
Professor of English (on
leave, 1982-83)*

Richard V. Evans, D.M.A.

*University of Oregon,
Professor of Music*

Martin B. Faber, Ed.D.

*University of Wyoming,
Associate Professor of
Education*

Duncan S. Ferguson, Ph.D.
Edinburgh University,
Associate Professor of
Religion

Ronald G. Frase, Ph.D.
Princeton Theological
Seminary, Associate
Professor of Sociology,
Chaplain

Howard R. Gage, Ph.D.
University of Oregon,
Professor of Mathematics

**Walter B. Grosvenor,
M.A.T.**
University of Washington,
Associate Professor of Art

Albert C. Gunderson, M.A.
University of Washington,
Associate Professor of
Theatre Arts

**Pierrette C. Gustafson,
M.A.A.B.S.**
Whitworth College,
Associate Professor of
Modern Languages

Garland A. Haas, Ph.D.
University of Washington,
Professor of Political Studies

Pauline D. Haas, M.F.A.
Indiana University,
Professor of Art

Rodney T. Hansen, Ph.D.
Washington State
University, Assistant
Professor of Mathematics

David L. Hicks, Ph.D.
University of Georgia,
Professor of Biology

*"Everything about it—faculty, staff,
students, programs—seems to encour-
age my growth as a person. I am chal-
lenged with different opinions or values
and I am encouraged to deal with these
in order to know myself better and
establish my own values."*

Frank E. Houser, Ph.D.
Columbia University,
Professor of Sociology

James B. Hunt, Ph.D.
University of Washington,
Associate Professor of
History

Linda Hunt, M.A.T.
Whitworth College,
Instructor in English

Paul T. Jackson, Ph.D.
University of Iowa,
Associate Professor in
Education

Milton E. Johnson, Mus.D.
University of Dubuque,
Professor of Music

William L. Johnson, Ph.D.
University of Oregon,
Professor of Psychology

Terry Kershaw, Ph.D.
Candidate
Washington State
University, Instructor in
Sociology



**Thomas G. Kirkpatrick,
Ph.D.**
University of Washington,
Assistant Professor of
Communication Studies

Robert K. Lacerte, Ph.D.
Case Western Reserve
University, Associate
Professor, Library

Donald H. Liebert, Ph.D.
Princeton Theological
Seminary, Professor of
Sociology

Margo S. Long, M.A.T.
Whitworth College,
Instructor in Education

**Patricia A. MacDonald,
Ph.D.**
University of Rochester,
Professor of Psychology

Betty J. Malmstad, Ed.D.
University of Houston,
Assistant Professor of
Education

Diana C. Marks, M.Ed.
Whitworth College,
Associate Professor of
Physical Education

**Robert M. McCroskey,
M.S.**
University of Missouri,
Associate Professor of
Mathematics, Director of
Computer Services

Paul J. Merkel, M.Ed.
Whitworth College,
Associate Professor of
Physical Education

Roger Mohrlang, D.Phil.

*Oxford University,
Associate Professor of
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Bruce G. Murphy, Ph.D.

*Northern Illinois
University, Professor of
History, Associate Dean for
Undergraduate Affairs*

Diane Murphy, M.S.

*Northern Illinois
University, Instructor in
Education and Physical
Education*

Leonard A. Oakland, Ph.D.

*Candidate
Washington State
University, Associate
Professor of English*

Edwin A. Olson, Ph.D.

*Columbia University,
Professor of Earth Science*

William H. Payne, M.B.A.

*University of Montana,
Assistant Professor of
Business and Economics*

**Howard A. Redmond,
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*University of Southern
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Religion and Philosophy*

Tammy R. Reid, M.A.

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Isla R. Rhodes, M.Ed.

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Associate Professor of
Nutrition and Foods*

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Professor of Education and
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*Fuller Theological Seminary,
Instructor in Religion,
Associate Chaplain*

George A. Ross, M.A.

*University of Washington,
Associate Professor of Music*

Daniel C. Sanford, Ph.D.

*Professor of Political Studies,
Director of Field Education*

J. Townsend Shelby, Ph.D.

*Washington University,
Associate Professor of
Modern Languages*

Ronald R. Short, Ph.D.

*Claremont Graduate School,
Professor of Psychology*

Pat Stien, M.A.T.

*Whitworth College,
Assistant Professor of
Theatre Arts*

Howard M. Stien, Ph.D.

*University of Wyoming,
Professor of Biology*

**Kathleen Harrell Storm,
Ph.D.**

*Fuller Theological Seminary,
Assistant Professor of
Psychology*

**Thomas T. Tavener,
D.M.A.**

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Professor of Music*

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University, Associate
Professor of Physics*

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Instructor in History*

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Assistant Professor of Music*

"I have enjoyed the contact with young people that my wife and I have had here. Being a natural born student I enjoy all I learn from both peers and students. They are like sons and daughters to us."

Harry Dixon, faculty



SPECIAL INSTRUCTORS

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*Brigham Young University,
Instructor in English*

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Instructor in Social Science*

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Candidate
*University of Calgary,
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Instructor in Art*

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Candidate
*Washington State
University, Instructor in
English*



"They are not only my instructors but also friends who meet me on my level."

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A.A.G.O.,
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Music, Professor of Music

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Professor of Education

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Professor of Art

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Religion

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Education

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Whitworth College, Associate
Professor of English

William G. Wilson, M.S.,
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and Engineering

Roland Wurster, M.A.,
University of Oregon,
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Seminary, Professor of
Philosophy and Greek



*"There is a feeling
this is where I
belong."*

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*Pastor, Chapel Hill
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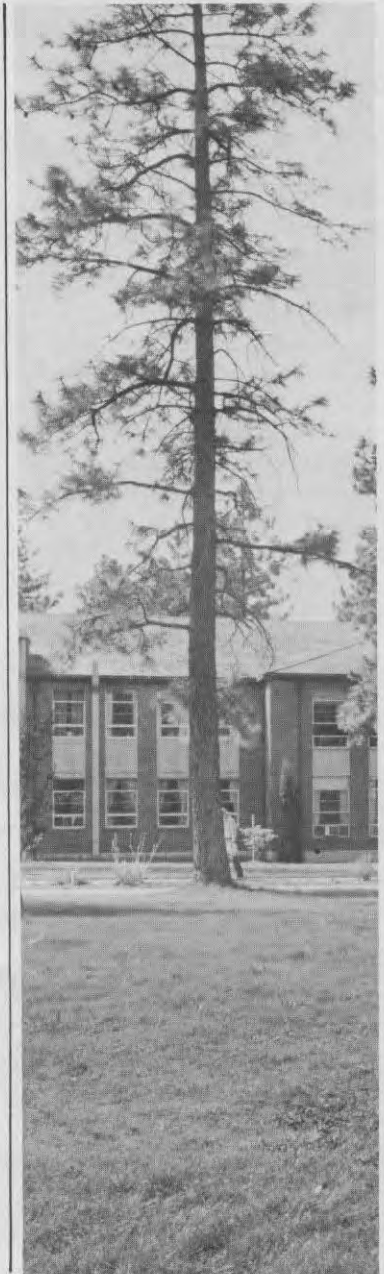
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Presbyterian Church, Seattle

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Honeywell, Malanca,
Peterson & O'Hern, Law
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Church, Spokane

Dr. J. Murray Marshall
Pastor, First Presbyterian
Church, Seattle

R. Bruce McCullough
Assistant Vice President,
Allstate Insurance,
Northbrook, Illinois

Dorothy M. McLaren
Homemaker, Spokane

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Pastor, Palm Desert
Community Presbyterian
Church, Palm Desert,
California

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Synod of Alaska-Northwest,
Seattle

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Senior Vice President,
Consulting Associates,
Spokane

Leonard A. Myhre
President, Hallidie
Machinery Co., Seattle

Franklin W. Ott
Implement Dealer, Saunders
and Ott, Fairfield

Morris Plotkin
Industrial Planning,
Retired, Playa Del Rey,
California

Martin S. Polhemus
General Agent,
Northwestern Mutual Life
Insurance Company,
Spokane

Dr. William C. Richter
Ophthalmologist, Maui,
Hawaii

Werner Rosenquist
President, Spokane World
Travel, Empire Lines, Inc.,
Spokane

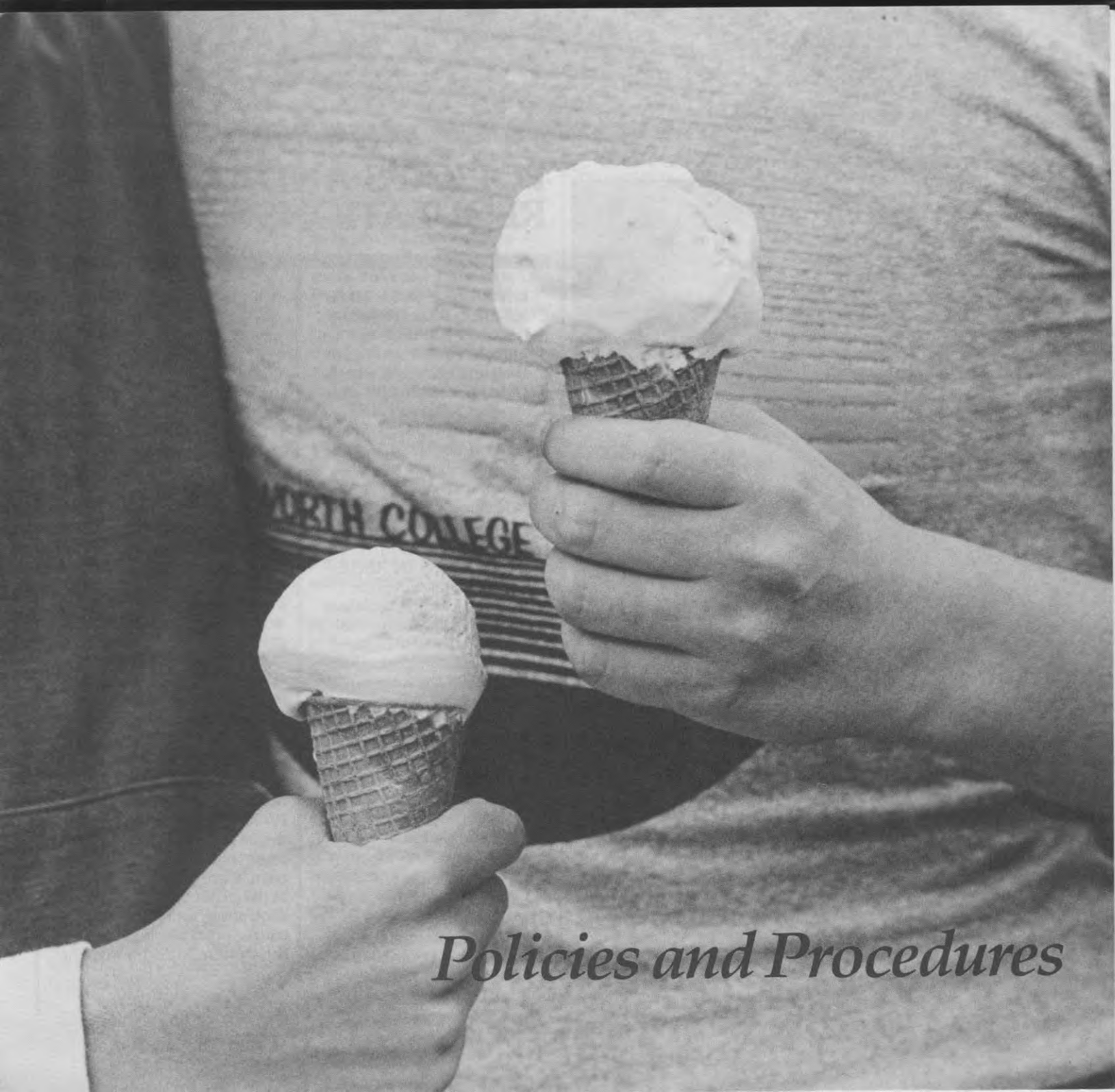
Arthur E. Symons, Jr.
Symons Frozen Foods
Company, Centralia

C. Davis Weyerhaeuser
Tacoma, Wash.

William R. Yinger
Independent Oil Producer,
Oklahoma City, Oklahoma

*"The professors I've had teach hard
classes, but right along with challenging
me they make me feel I can succeed.
Because they take the time to know me,
I trust their belief in me."*





Policies and Procedures



POLICIES AND REGULATIONS

1. NORMAL FULL-TIME COURSE LOAD. The normal load for full-time students is $3\frac{1}{4}$ to $4\frac{3}{4}$ courses in the Fall and Spring Terms, 1 to $1\frac{1}{4}$ courses in the January Term, and 1 course in the May Term. A student must average $9\frac{1}{2}$ courses per year to graduate in four years. Permission to enroll in more than the normal load must be approved in writing by the Registrar.

2. CHANGES IN REGISTRATION. Deadlines for dropping and adding classes are published in the annual time schedule. Late fees will be charged for any schedule changes after the fourth week of classes, or for registration after the first week of classes.

3. CLASS STANDING is determined as follows: Freshman—formally admitted to the college; Sophomore— $8\frac{1}{2}$ courses completed; Junior—18 courses; Senior—27 courses.

4. GRADES AND GRADE POINTS. The following symbols are used: A (Superior—4 points); B (Good—3 points); C (Fair—2 points); D (Poor—1 point); F

(Failure—0 points); V (Official Withdrawal, does not affect GPA); Y (Unofficial Withdrawal, usually given when student stops attending a class without dropping it, computed as an "F" in the GPA); I (Incomplete, to be made up by six weeks into the next long term); I/P (In Progress); CR (Credit, given upon completion of a Credit/No Credit course, does not affect GPA); NC (No Credit, given for unsatisfactory work in the Credit/No Credit course, for a D or F under the Pass/No Credit grading option, or for a failing grade by a freshman); P (Pass); X (Grade not submitted by instructor); U (Upper Division Credit); G (Graduate Credit).

5. PASS/NO CREDIT GRADING OPTION. Students may choose to take one P/NC for each year in residence at Whitworth, not more than one in a given term. Core courses, courses in the major or area of concentration, and Education courses are excluded from this option. In addition to the

limitations listed above, students may elect to take PE activity courses Pass/No Credit.

6. GRADUATION

HONORS are: Cum Laude (3.50 gpa), Magna Cum Laude (3.75), Summa Cum Laude (3.90), based on at least 18 full courses taken at Whitworth. Transfer grades are not included in honors computation.

7. ACADEMIC PROBATION/SUSPENSION. Students are placed on probation at the end of any term in which their grade point average falls below 1.75 or their cumulative grade point average falls below 2.00 (1.75 for freshmen). Students continue on probation until their cumulative grade point average reaches the minimum 2.00 standard.

Students may be suspended at the end of any term in which their grade point average falls below 1.00 or, of after being placed on probation, they fail to earn at least a 2.00 grade point average for the succeeding term.

If there are mitigating reasons for unsatisfactory progress that results in suspension, students may appeal in writing to the Academic Review Committee through the Office of the Registrar.

8. ACADEMIC GRIEVANCES. It is assumed that most grievances will be resolved in conversation between student and professor or within the department involved. However, in cases where resolution is not so easily achieved, the procedures are: a) The student must first seek resolution of the conflict in consultation with the professor. The Vice President for Academic Affairs will assure that this initial exchange has taken place. b) If a satisfactory resolution is not possible in the first phase, the student may appeal in writing to the Vice President for Academic Affairs for adjudication in the matter.

9. REQUIREMENTS FOR A SECOND DEGREE.

Whitworth graduates may obtain a second baccalaureate degree on completion of major requirements and a total of 45 courses, five of which must be taken after receiving the first degree.

Graduates of another institution must meet major requirements, the 8½ course residency requirement, the general college requirements, and must receive their degree in a different field than the first degree.

10. ACCEPTANCE OF TRANSFER CREDITS. A maximum of 95 quarter hours (63 semester hours) may be transferred from a two-year college. Vocational-technical courses, non-college-level courses, and incomplete courses are not transferable. Credit from Bible schools and non-accredited colleges are evaluated on a course-by-course basis.

11. ALTERNATIVE COURSE CREDITS. A maximum of nine courses (45 quarter hours, 30 semester hours) of alternative credits may be counted toward graduation. This includes CLEP and Advanced Placement credit, course challenge examinations, credit based on completion of advanced work, extension and correspondence credits. Contact the Registrar for further information.

12. CLEP/ADVANCED PLACEMENT. Whitworth grants academic credit for sufficiently high scores on CLEP General and selected CLEP Subject Examinations. These cutoff scores are listed on the CEEB publication, "College Placement and Credit by Examination," available at most high schools and colleges, or may be gotten by contacting the Registrar's Office. Ad-

vanced Placement test results are scrutinized by the appropriate department for waiver and/or credit assignment.

13. APPLICATION FOR GRADUATION. Before beginning the senior year, the student applies for the specific degree desired and the Registrar's Office prepares a checklist for the final year's course planning.

14. DOUBLE MAJORS. A student may graduate with more than one major if all requirements are met for each major involved. All course overlaps must be approved by both departments.

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

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

17. **VETERANS.** Whitworth College is an approved institution of higher education by the Council for Post-Secondary Education for veteran training. The college is committed to upholding and complying with the intent of VA regulations. Benefit recipients must meet satisfactory progress standards in order to continue receiving benefits for study. Standards are basically the same for VA benefit recipients as for other students. Records which permit monitoring of progress are kept in the Registrar's Office.

Termination of benefits will be initiated upon receipt of a withdrawal card or notification by an instructor that a student is not attending class. It is the responsibility of the benefit recipient to submit a withdrawal card to the Registrar immediately upon stopping attendance in any course.

18. **EQUAL OPPORTUNITY POLICY.** It is the policy of Whitworth College to provide equal educational and employment opportunity for all students and employees regardless of race, color, national origin, sex, age, or handicap. The policy also extends to the consideration of religious preference provided, however, that the college reserves the right to hire only Christians in positions which the college con-

siders necessary in achieving its educational and religious goals. The college is subject to the requirements of non-discrimination contained in the following Federal Legislation:

Title VI of the Civil Rights Act of 1964,
Title IX of the Educational Amendments of 1972,
Sections 799A and 845 of the Public Health Service Act,
Section 504 of the Rehabilitation Act of 1973 as amended, and the Age Discrimination in Employment Act.

Questions should be directed to the Equal Opportunity Officer, Office of the President of Whitworth College. If desired, contact may be made with the Director, Office of Civil Rights, Department of Education, Washington, D.C., 20201 or with the regional office.

19. **CONDUCT REGULATIONS.** As you become a member of the resident community, you will complete a residence contract which, among other things, includes an affirmation that you are aware of—and agree to abide by—the policies of Whitworth College. Three primary guidelines govern campus life at Whitworth:

1. Possession or consumption of alcoholic beverages

is not allowed on campus.

2. Possession or consumption (use) of illegal drugs is not permitted on campus.
3. Cohabitation is not allowed on campus.

These policies are based on a number of considerations which the campus community has determined are essential for the quality of life desired at a Christian liberal arts college.

"Part of Whitworth's academic excellence is due to its faculty. I've never before found so many caring teachers in one school."

ADMISSIONS PROCEDURES

Freshmen Application Procedure

Application for admission as a freshman is made on a form which is available from the Office of Admissions. The following credentials should reach the Office of Admissions at least three weeks prior to the registration date of the term for which you are applying.

1. **APPLICATION FOR ADMISSION** accompanied by a non-refundable \$15 application fee.

2. **SCHOOL EVALUATION** Section Two of the

application form should be completed by the high school counselor or appropriate school official.

3. **OFFICIAL TRANSCRIPT** of high school academic work through at least six semesters. In the event of acceptance prior to the completion of high school, a final transcript following graduation is necessary.

4. **PERSONAL INVENTORY** is a part of the application form and is primarily designed to help us know more about the applicant as a person.

5. SCHOLASTIC APTITUDE TEST (SAT), AMERICAN COLLEGE TEST (ACT) or WASHINGTON PRE-COLLEGE TEST (WPCT) results must be sent to the Office of Admissions.

Applicants will be notified of their admission as soon as possible after their applications are complete. Whitworth continues, however, to subscribe to the Candidate's Reply Date agreement and admitted students will not be required to notify the college of their final decision until May 1.

Transfer Application Procedure

Application for admission as a transfer student is made by following steps No. 1 and No. 4 above (Freshman Application Procedure), forwarding an official transcript of college work completed. If less than one year of college work has been completed, Steps No. 2, No. 3 and No. 5 would also be necessary. A cumulative g. p. a. of 2.0 or above is required for consideration.

International Student Application Procedure

Students who are not citizens of the United States should submit the application form, \$15 application fee,

completed Personal Inventory form, results of the Test of English as a Foreign Language (TOEFL), a Declaration and Certification of Finances form or Government Scholarship statement, and a translated copy of all academic transcripts, including records from all other colleges or universities if appropriate. All application materials must be submitted at least three weeks prior to the registration date of the term for which you are applying.

Readmission of Former Students

Former students seeking to return to Whitworth must submit a readmission application (available from the Office of Admissions) and official transcripts of all college work completed during the absence.

Part-Time Students

Students enrolled for less than 3¼ courses are considered part-time. In many instances, the part-time student classification serves the needs of the Spokane community and can be on a credit or audit basis. Part-time students seeking a degree should follow the stated freshman or transfer application procedure. Part-time students not seeking a degree from Whitworth are not required to complete the normal admis-

sions process; they may register directly through the Registrar's Office.

Early Decision

Candidates for early-decision admission may apply as early as September 1 of the year prior to desired entrance. Early-decision applicants must have maintained a strong academic average through their junior year in high school. It is understood early-decision applicants will have narrowed their college choice to Whitworth and will make only this single application. Early-decision applicants will receive notice of admission beginning November 15. Selection of regular candidates begins December 1. When applying, candidates are asked to indicate "Early Decision" on the top of the application form and should follow the procedures outlined under Freshman Application Procedure.

Advanced Placement Program

Students who have received scores of 3, 4, or 5 on the College Entrance Examination Board Advanced Placement Examination may be given both advanced placement and credit toward graduation. Specific provisions are dependent on the

subject matter field.

CLEP credit criteria are explained on page 99.

Campus Visits

Perhaps the best way to discover how a college might meet an individual's needs is through a *campus visit*.

The Admissions Office is open weekdays throughout the year, but we prefer that campus visits occur when classes are in session. Visits should not be planned during vacation times. (See Academic Calendar.) The college will provide one full day's board and room for prospective students who visit the campus. To arrange a visit, contact the Admissions Office in advance.

Deferred Matriculation

The College supports the practice of deferred matriculation. This policy allows students to apply for admission during their senior year in high school and, if accepted, to delay matriculation for one or two years. Applicants should indicate their intended entrance date on the application form. This practice is specifically designed for students wanting travel or work experiences and not for those attending other colleges before entering Whitworth.

FINANCIAL PROCEDURES AND INFORMATION

Costs and Fees

Whitworth College is an independent institution and, like most such institutions, receives minimal support from public funds. Each student is charged tuition and fees which cover approximately three-fourths of what it costs the college to provide its services. The balance of these costs is met by income from endowment and by gifts from trustees, alumni and other friends of the college. Since prompt payment of student bills is important in maintaining our quality educational program, all details for paying current charges must be finalized as students enroll for classes. Payment in full is due at the beginning of each term, or students and their parents may desire to use the insured budget plan, which spreads payments over a ten month period (June 1-March 1).

Last year Whitworth students received more than \$1,500,000 in scholarships and other financial aid from

Whitworth and more than one million dollars through Whitworth from federal and state sources. Recipients of aid include about 70% of the student body.

Costs for 1982-83 Academic Year

(Note: These charges are for the 1982-83 year. Costs for the 1983-84 academic year will be announced when finalized.)

Tuition*	\$5120
Room and Board	2240
Assoc. Student Body Fee	85
H. U. B. Fee	15
Fieldhouse Fee	15
Health & Accident Insurance	86
Total	\$7561

A full-time academic load is $3\frac{1}{4}$ to $4\frac{3}{4}$ courses in the fall and spring terms and $1\frac{1}{4}$ courses in the January Term.

Room and board charges do not cover regular college vacation periods. The above rate provides for a double room and 20 meals per week. 14-meal and 10-meal plans

are available at a reduced rate. Students in private rooms at their own request pay 25% additional room rent.

Student Health and Accident Insurance must be carried by all students enrolled for more than three full courses unless there is a signed waiver on file in the Business Office showing other coverage. Those waivers must be submitted by September 23rd for students beginning the fall term and February 17 for students beginning in the spring term.

Additional expenses for books, supplies, personal items and transportation will vary with each student, and is a necessary consideration when planning total costs.

Since fees are published several months in advance of the academic year, the Board of Trustees reserves the right to change this fee structure.



Miscellaneous Costs (1982-83)

One Day Course — For students enrolling in only one course in the day school	\$400
Part Time Day School —For enrollment in $1\frac{1}{4}$ to 3 courses, per course	800
Excess Course —For courses in excess of $4\frac{3}{4}$ courses, per course	600
Excess Course Audit — For student taking an audit in course in excess of a full-time load, per course	185
Audit Fee —Per course	185
Independent and Field Study —Not to exceed two courses, and program must be approved in advance by the Academic V.P.; per course	400
Evening School —The maximum undergraduate course load in evening school is two full courses, per course	185
Combination Day and Evening Classes — Evening School (per course) Day School (per course)	185 300

*A \$100 deposit is required to confirm enrollment (refundable only until May 1.)

Graduate program rates are contained in the specific program bulletin. Some courses carry special fees. A complete listing of class fees is included with the course schedule from the registration office.

Change in Registration Fee
(after fourth week) \$10

Late Registration Fee
(After 1st week) \$15 + \$5/day

Diploma Fee:
Undergrad 25

Diploma Fee:
Graduate 30

Matriculation Fee 15

Transcript Fee 2

(Transcripts are released only when all financial accounts are current.)

A more detailed list of miscellaneous fees is available from the Business Office.

All fees are subject to change without notice. Fees for off campus and foreign study vary according to the program. Check with the Field Education Office for additional financial information.

Refund Policy

A student who withdraws during the course of a semester is eligible for an adjustment of charges as follows:

1st week following beginning of instruction—100% refund on tuition, special course fees and student fees, less \$10 service charge. Board and room refund on prorated basis.

2nd week following beginning of instruction—80% refund on tuition and special course fees. No refund on student fees. Board and room refund on prorated basis.

3rd week following beginning of instruction—60% refund on tuition and special course fees. No refund on student fees. Board and room refund on prorated basis.

4th week following beginning of instruction—40% refund on tuition and special course fees. No refund on student fees. No refund on room. Board refund on prorated basis.

After the 4th week following beginning of instruction—No refunds on tuition, special course fees, student fees, or rooms. However, board refunds will continue to be prorated throughout the term.

"It felt so right and I can look back now and say that I have had an excellent education and that I have truly gotten my money's worth."

Financial Aid

Assistance in many different forms is available to help as many students as possible who want to attend Whitworth but who have inadequate financial resources. For the most part, financial aid is awarded on the basis of financial need as determined by the College Scholarship Service. Most offers of Whitworth aid are made each spring for the following academic year. Very limited funds, if any, are available to the student applying for entrance at midyear.

Financial Aid Application Procedure

Application for financial aid at Whitworth is accomplished by:

1. Submitting the College Scholarship Services' FINANCIAL AID FORM (to determine student need). These forms are available through high school counseling offices or the Whitworth Admissions Office.

2. Completing the Whitworth College FINANCIAL AID APPLICATION, available from the Admissions office. Students who apply prior to March 1 are more likely to receive funds than later applicants; however, late applicants are encouraged to submit aid requests since awards are made to qualified applicants as funds become available.

After a student is accepted for admission and we have received the above forms, we automatically consider the student *for all types of aid* for which he or she qualifies.



College Scholarships and Grants

Scholarships are ordinarily awarded to students who have demonstrated that they will contribute significantly to the total community. Some college grants are awarded to students from low-income families who could not otherwise attend the college. A few scholarships are awarded regardless of financial need to students who have distinguished themselves in academics and other aspects of school and community life.

Loan Funds

These may be administered directly by the college or in cooperative arrangements with the government or other institutions. Many loans carry low interest rates and normally do not require that repayment begin prior to graduation. The repayment period is often extended to ten years.

Employment

The Student Employment Office is a clearing house for both on- and off-campus jobs. Most part-time jobs are on campus where the work does not usually exceed 15 hours per week and \$1,000 of pay per school year. Whitworth participates in the College Work-Study Program, a federally financed program.

Other Forms of Aid

The United Presbyterian Church, U.S.A., provides several types of student financial aid through its church-related colleges. They include the following:

National Presbyterian College Scholarships

Awards range up to \$2000 annually, depending upon need. Applications, obtained from the Admissions Office of the Board of Christian Education, must be filed in November of the student's senior year in high school.

Samuel Robinson Scholarships

\$300 each for students already enrolled who submit original essays and applications by April 15. Details are available from the college Religion Department.

Ministerial Scholarship

Whitworth offers a \$400 tuition discount to students who are dependent children of regularly ordained pastors employed by Christian churches and who maintain a grade point average of at least 2.5. To apply, students should write to the Director of Financial Aid and include information verifying eligibility.





*"The potential here
is incredible."*

SCHOLARSHIP FUNDS

Alumni Association
Scholarship Fund

Dave Barnes & Aubrey M.
Leavitt Scholarship Fund
Alice J. Benque Scholarship
Fund

Amos A. Bratrude
Scholarship Fund
Ernest E. & Margaret Yenny
Brown Memorial
Scholarship Fund
Frank and Helen Burgess
Scholarship Fund

Ben B. Cheney Foundation
Scholarship Fund
Caroline Cooper Scholarship
Fund
Glen and Dorothea Cotterel
Scholarship for Foreign
Students

William H. Cowles Memorial
Scholarship Fund
Ethel Klein Culverwell Music
Scholarship

Vere I. Snyder DeVoe
Memorial Scholarship
Gordon A. & Priscilla Duncan
Memorial Scholarship
Annie Ester Durham
Scholarship Fund
Nelson W. Durham
Scholarship Fund

Rev. and Mrs. Albert E. Evans
Memorial Scholarship
Fund

Robert H. and Grace R.
Gaines Scholarship Fund
Sara Lou Gammons Music
Scholarship Fund
Rev. John Gordon Memorial
Scholarship Fund
Gordon Stanley Grace
Memorial Scholarship
Helen Grinnel Music
Scholarship Fund

Hammond Memorial
Scholarship Fund
Lloyd M. Harder Memorial
Scholarship Fund
Eileen Elizabeth Hendrick
Memorial Scholarship
Fund
Edward H. Hughes Memorial
Scholarship
William B. Hyde Memorial
Scholarship Fund
Indian Scholarship Fund

Ina B. Johnston Scholarship
Fund
David L. Jones Memorial
Scholarship Fund

Journalism Fund in Honor of
Mrs. Dorothy Dixon
Elizabeth Ann Joyner
Scholarship Fund

Kaiser Aluminum &
Chemical Scholarship
William Kay Memorial
Scholarship Fund
Pearl H. King Scholarship
Fund
Dorothy L. Kison Scholarship
Fund
Charles F. Koehler Memorial
Scholarship Fund

Gertrude Lindsey Memorial
Scholarship Fund
Lindsey Memorial
Scholarship Fund

Manifold Scholarship Fund
Rev. J. Renwick McCullough
Memorial Scholarship
Fund
William and Annie
McEachern Memorial
Scholarship
Jack McEachran Memorial
Scholarship Fund
William L. McEachran
Scholarship
Mrs. James McKay Memorial
Scholarship Fund
Mary L. Mentzer Scholarship
Fund
Aimee E. Millhouse
Scholarship for Young Men
William Moir Scholarship
Fund
Charles W. Muir Christian
Education Scholarship
Fund

Anna E. Neill Scholarship
Fund

Jane Bagnall O'Brien Nursing
Scholarship Fund
Mave C. Olds Scholarship
Fund

Rev. & Mrs. Paulhoun Senior
Memorial Scholarship
Dorothy Myers Phillips
Scholarship Fund
Alice Postell Alumni
Scholarship Fund
Lisa Plotkin Memorial
Scholarship Fund

Mary E. Quackenbush
Scholarship Fund

Reader's Digest Scholarship
Fund
Howard Redmond
Scholarship Fund
Debbie Rice Business
Department Scholarship
Fund
Susie Rose Scholarship Fund
Elma Ross Memorial
Scholarship Fund

William J. Sanders
Scholarship Fund
John E. and Etna Ezzard
Sheridan Memorial
Scholarship Fund
Florence Soden Memorial
Scholarship Fund
Grace A. Stayt Memorial
Scholarship Fund

Beth Thomas Scholarship
Fund
Ingwer W. Thomsen
Scholarship Fund

William P. and Belle M. Ulrich
Scholarship Fund



Jean Villars Memorial Music Fund

Arthur E. and Enola Loring Wake Scholarship Fund
 Mary Elizabeth Waltz Memorial Scholarship Fund
 George and Lyda Wasson Scholarship Fund
 Winona Marjorie West Scholarship Fund
 Ethel Fairfield White Scholarship Fund
 Mabel C. Willson Memorial Scholarship Fund

STUDENT LOAN FUNDS

Mr. & Mrs. Franklin Armstrong Student Loan Fund

David Barnes Memorial Student Loan Fund
 George N. Beard Student Loan Fund

Mary Katherine Crim Student Loan Fund

J. Wilson Gowdy Student Loan Fund
 George T. Gregg Student Loan Fund

Frances Gilbert Hamblen Memorial Loan Fund
 Jim and Kathy Edens Hancock Memorial Student Loan Fund
 Mr. and Mrs. James Harrison Memorial Loan Fund

"Whitworth is a place that allows me the freedom to make my own discoveries. The size of the college lets me be involved in a diversity of activities; in student government, and as a resident assistant, in the dorm."

Helen Bishop Herbage Memorial Student Loan Fund
 Elizabeth Hewitt Memorial Student Loan Fund
 Judge & Mrs. W.C. Husband Memorial Loan Fund

Alma Jepson Memorial Student Loan Fund

Martin Luther King Student Loan Fund

Mr. and Mrs. Thomas A. Landreth Memorial Student Loan Fund

Manito Park United Presbyterian Church Student Loan Fund
 Anne E. Marshall Student Loan Fund
 Otis and Elizabeth Merritt Student Loan Fund
 Dr. C.L. Mood and Bettie Mood Memorial Student Loan Fund
 Lawrence F. Moore Revolving Loan Fund
 Mrs. P.T. Myers Student Loan Fund

Earl Oatman Memorial Student Loan Fund
 Jane Bagnall O'Brien Nursing Loan Fund

Vicker Rotary Memorial Student Loan
 Bee Lawler Rhinehart Memorial Loan Fund

Hulda Munter Senses Student Loan Fund
 Josie Shadle Student Loan Fund
 Stevens-Swanby Student Loan Fund
 Sarah A. Stewart Memorial Student Loan Fund

Ingwer W. Thomsen Student Loan Fund
 David and Emma Thorndike Memorial Student Loan Fund

R.L. Ubers, M.D., Student Loan Fund

Dr. L.N. Williams Memorial Student Loan Fund

"I see the opportunities for learning, community, and diverse ministry of healing, teaching and worship—centered around Jesus Christ."

CALENDAR

The "4-1-4" Calendar

In 1969 Whitworth College became one of the first colleges in the country to adopt the "4-1-4" academic calendar. A growing number of liberal arts colleges have turned to this calendar because of its flexibility and potential for innovative courses. The fall thirteen-week semester ends with the Christmas vacation. During the month of January students take just one intensive course. The spring term begins in February and ends during the month of May. Whitworth has developed a number of tuition-exchange programs with other colleges having the 4-1-4 calendar and Whitworth students can participate in the programs of many other colleges during the month of January.

ACADEMIC CALENDAR 1982-83 AND 1983-84

1982-83		1983-84
Sat., Sept. 4	Dorms Open at 1:00 p.m.	Sat., Sept. 3
Sun. & Mon., Sept. 5 & 6	Orientation Activities	Sun. & Mon., Sept. 4 & 5
Tues., Sept. 7	Advising	Tues., Sept. 6
Wed., Sept. 8	Registration	Wed., Sept. 7
Thurs., Sept. 9	Day Classes Begin	Thurs., Sept. 8
Sat., Sept. 11	Faculty Retreat	Sat., Sept. 10
Mon., Sept. 13	Evening Classes Begin	Mon., Sept. 12
Tues., Sept. 21	Community Building Day	Tues., Sept. 20
Mon., Oct. 25	Faculty Development Day	Mon., Oct. 24
W, R, F, Nov. 24-26	Thanksgiving Vacation	W, R, F, Nov. 23-25
Mon., Nov. 29	Classes Begin	Mon., Nov. 28
Fri., Dec. 10	Last Class Day	Fri., Dec. 9
Mon., Dec. 13	Reading Day	Mon., Dec. 12
T, W, R, Dec. 14-16	Final Exams	T, W, R, Dec. 13-15
Dec. 17-Jan. 2	Christmas Vacation	Dec. 16-Jan. 2
Jan. 3-28	Jan Term	Jan. 3-27
Mon., Jan. 31	Advising	Mon., Jan. 30
Tues., Feb. 1	Registration	Tues., Jan. 31
Wed., Feb. 2	Day Classes Begin	Wed., Feb. 1
Mon., Feb. 7	Evening Classes Begin	Mon., Feb. 6
Fri., Feb. 25	Faculty Development Day	Mon., Feb. 27
Mar. 28-Apr. 4*	Spring Vacation**	Mar. 19-23
Tues., Apr. 5	Classes Resume	Mon., Mar. 26
Fri., Apr. 1**	Good Friday**	Fri., Apr. 16**
Mon., May 9	Last Class Day	Mon., May 7
Tues., May 10	Reading Day	Tues., May 8
W, R, F, May 11-13	Final Exams	W, R, F, May 9-11
Sun., May 15	Baccalaureate and Commencement	Sun., May 13
	Summer School—TO BE ANNOUNCED	

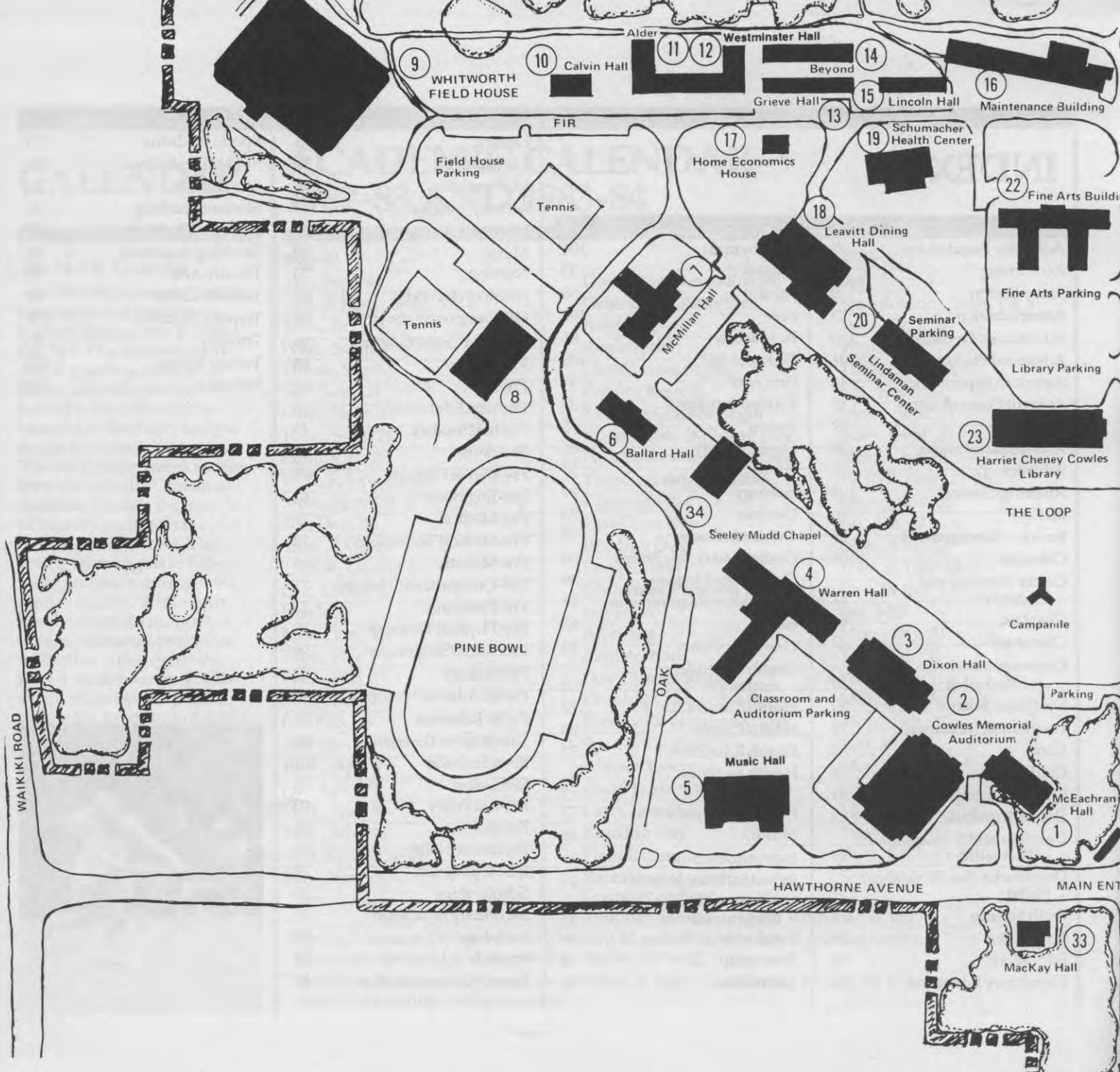
*Spring Vacation 1983 runs from Monday, March 28 to Monday, April 4 inclusive. Courses scheduled *Monday evening, April 4, will meet.*

**No day or evening classes on Good Friday. In 1983, Good Friday is on April 1, which falls during spring vacation.

INDEX

Academic Regulations	98	Employment	104	Library	83	Sports Medicine	55
Accounting	19	English	33	Literature	33	Student Body Fees	102
Accreditation	9	Faculty	88	Mathematics	50	Student Life	80
Administration	93	Fees	102	Military Science	78	Student Teaching	30
Admissions Procedures	100	Field Study	84	Modern Languages	53	Teaching Certification	77
Advanced Placement	101	Financial Aid	103	Music	37	Teaching Assistants	76
American Experience	45	Fine Arts	37	Nursing	73	Theatre Arts	38
Areas of Concentration	12	Foods (Nutrition)	22	Nutrition & Foods	22	Transfer Credit	99
Art	37	Forum	75	Off-Campus Study	84	Transfer Students	101
Arts Administration	38	Foreign Study	84	Pass/No Credit Grading	98	Trustees	95
Athletics	82	French	53	Philosophy	65	Tuition & Fees	102
Auditing Classes	102	Geology	29	Physics	61	Veterans	100
Biology	16	German	53	Physical Education	55		
Business Management	19	Graduate Study	77	Political Studies	45		
Calendar	108	Grades and Grade Points	98	Pre-dental	72		
Career Planning and Placement	77	Graduation Honors	99	Pre-dental Hygiene	73		
Chaplain	81	Graduation Requirements	14	Pre-Engineering	61		
Chemistry	22	Greek	65	Pre-Medical	72		
Communication and Marketing	26	Grievance Policy	99	Pre-Medical Technology	72		
Computer Science	50	Health & Accident Insurance	102	Pre-Ministry	65		
Continuing Education	77	Health Careers	72	Pre-Occupational Therapy	73		
Core	75	Health Center	80	Pre-Pharmacy	73		
Credentials	8	Health Education	72	Pre-Physical Therapy	73		
Cross Cultural Studies	53	Health Facilities Management	74	Probation/Suspension	99		
Degree Curricula	12	Health Management	72	Psychology	63		
Developmental Disabilities in Recreation	55	History	45	Public Administration	46		
Dormitories (See Residence Halls)		Independent Study	76	Public Relations	26		
Earth Science	29	Industrial Management	19	Quantitative Economics	19		
Economics	19	International Business Communication	53	Re-Admission	101		
Education	30	International Studies	46	Recreation	55		
Elementary Education	30	Internship	84	Refund Policy	103		
		Journalism	26	Religion	65		
				Residence Halls	110		
				ROTC program	78		
				Scholarships	105		
				Secondary Education	30		
				Sociology	70		
				Spanish	53		
				Speech Communication	26		





9 WHITWORTH FIELD HOUSE

10 Calvin Hall

Westminster Hall

11 12

Beyond

14

Grieve Hall

15 Lincoln Hall

16 Maintenance Building

FIR

Field House Parking

Tennis

17 Home Economics House

19 Schumacher Health Center

22 Fine Arts Building

Tennis

8

1 McMillan Hall

18 Leavitt Dining Hall

20 Seminar Parking

Lindaman Seminar Center

Fine Arts Parking

Library Parking

6 Ballard Hall

34 Seeley Mudd Chapel

23 Harriet Cheney Cowles Library

THE LOOP

Campanile

PINE BOWL

4 Warren Hall

3 Dixon Hall

Parking

Classroom and Auditorium Parking

2 Cowles Memorial Auditorium

5 Music Hall

1 McEachran Hall

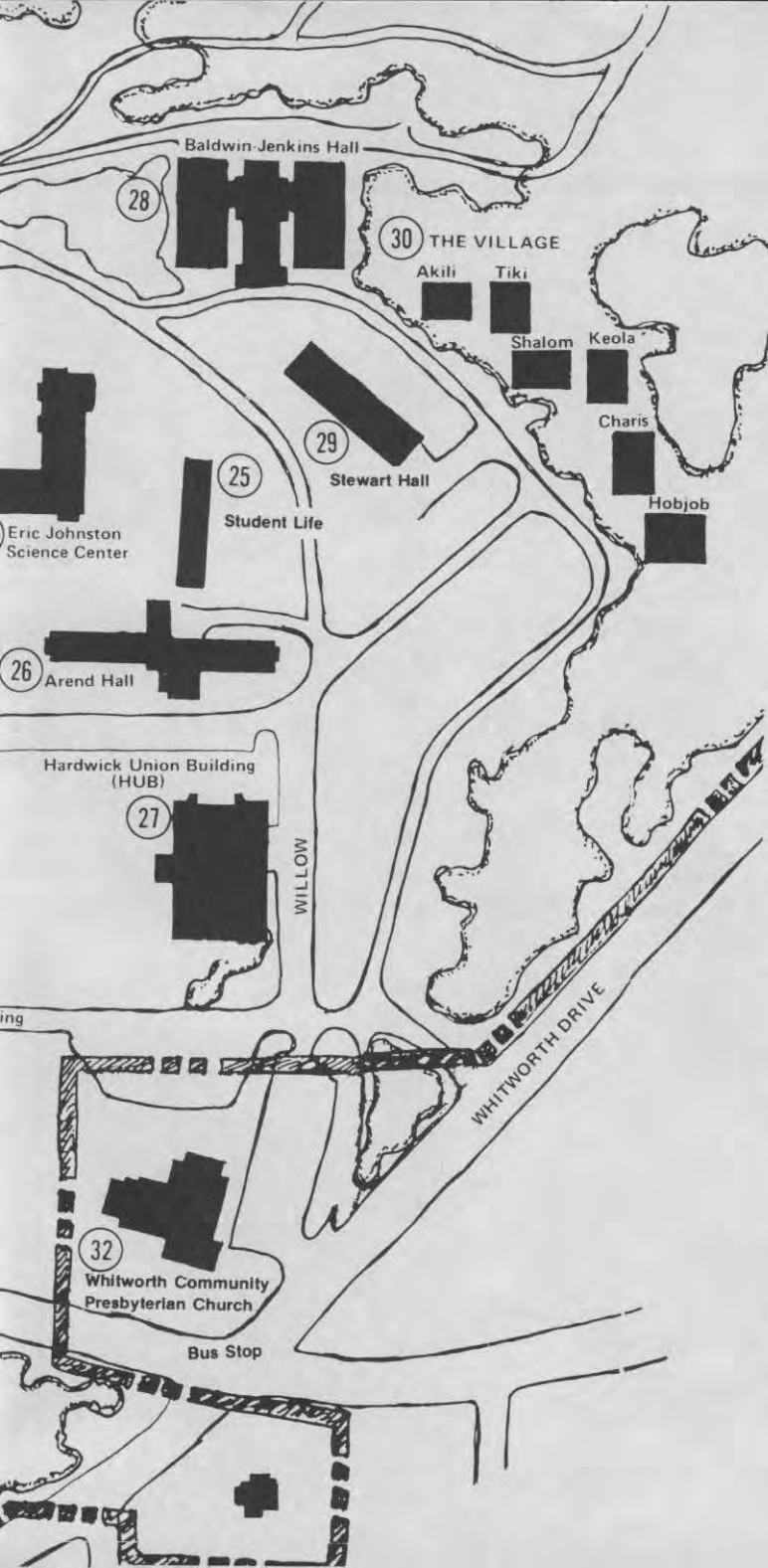
HAWTHORNE AVENUE

MAIN ENT

33 MacKay Hall

WAIKIKI ROAD

OAK



- 11 Alder Hall (dorm)
 26 Arend Hall (dorm)
 28 Baldwin-Jenkins (dorm)
 6 Ballard Hall (dorm)
 14 Beyond Hall (dorm)
 10 Calvin Hall
 (Graduate Center—ABS)
 23 Harriet Cheney Cowles
 Library
 2 Cowles Memorial
 Auditorium (theatre)
 3 Dixon (education, psych,
 religion, classrooms)
 9 Field House
 22 Fine Arts (art, math)
 8 Graves Gym (PE)
 13 Grieve Hall (classrooms)
 27 Hardwick Union
 Building (HUB)
 25 Eileen Hendrick Center
 for Student Life
 17 Home Economics House
 24 Eric Johnston Science
 Center
 18 Leavitt Dining Hall
 15 Lincoln Hall
 20 Edward Lindaman
 Seminar Center (business,
 communication, history,
 political studies,
 sociology)
 16 Maintenance Building
 1 McEachran Hall
 (Administration)
 33 McKay Hall (continuing
 studies, language)
 7 McMillan Hall (dorm)
 35 Seeley Mudd Chapel
 5 Music Building
 19 Schumacher Health
 Center
 29 Stewart Hall (dorm)
 30 Village Dormitories
 4 Warren Hall (dorm)
- 12 Westminster (English,
 communication studies)
 32 Whitworth Community
 Presbyterian Church
- Faculty Offices:**
 Art—Fine Arts (22)
 Biology—Science (24)
 Business—Seminar
 Center (20)
 Chemistry—Science (24)
 Communication—
 Seminar Center (20)
 Education—Dixon (3)
 English—Westminster (12)
 History—Seminar
 Center (20)
 Languages—Auditorium (2)
 Mathematics—Fine
 Arts (22)
 Music—Music Bldg (5)
 Physical Ed—Graves
 Gym (8)
 Physics—Science (24)
 Political St—Seminar
 Center (20)
 Psychology—Dixon (3)
 Religion/Phil—Dixon (3)
 Sociology—Seminar
 Center (20)
 Theatre Arts—
 Auditorium (2)

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