

CATALOG



PACIFIC LUTHERAN UNIVERSITY

Interim ◊ *January 4-29, 1988*

VALUING OUR WORLD



M I N D M A T T E R

& S P I R I T

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Assistant Professor of Nursing

Judith Carr

Interim Director

The Interim Committee encourages students to talk with professors about their courses prior to enrolling. Such dialogue may well benefit both instructor and student in approaching the Interim with enthusiasm, commitment and a greater understanding of the direction a course might take during the four weeks of intensive study.

Address Inquiries About Interim to:
Judith Carr
Interim Director

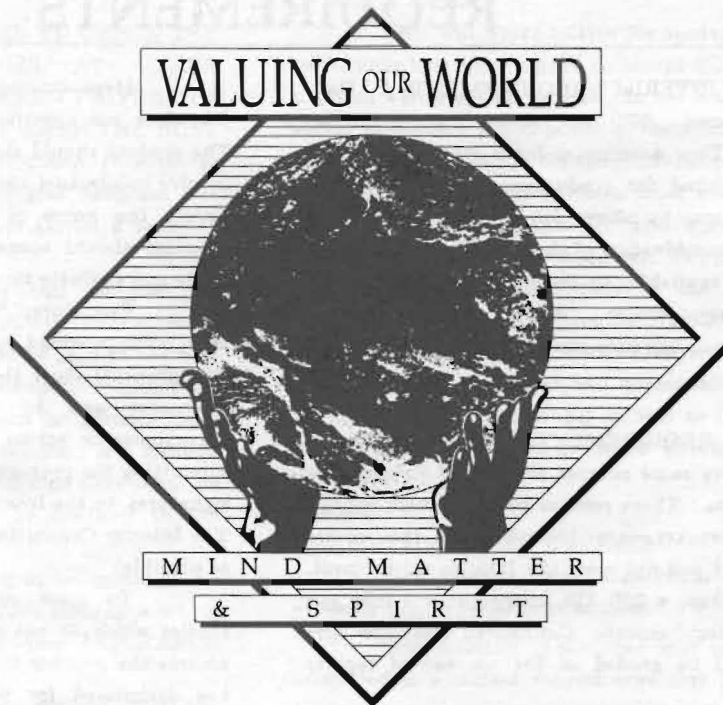


**PACIFIC
LUTHERAN
UNIVERSITY**

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Welcome to Pacific Lutheran University's Interim 1988 exploration—Valuing Our World. Through specially planned classes here and abroad and an enrichment program of lectures, art, films, and symposia to which all the PLU community is invited, we will stop to think, talk, and learn about our physical and spiritual universe. The academic disciplines will examine the ways in which we understand and shape mind, matter, and spirit.

Interim study offers opportunity to focus, to probe and reflect on a single subject. Select among courses as varied as A Himalayan Trek, Culinary Chemistry, Imaging the Self at Findhorn in Scotland, Oriental Bookmaking, The Heart of the Matter: ECG Interpretation and Hemodynamic Monitoring, The Chinese Imagination, The Poet as Christian, and Access to the American Dream: The Handicapped in our Society. Open your catalogue to discover a world of choices.

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INTERIM COURSES AND REQUIREMENTS

2

THE INTERIM REQUIREMENT: Only courses numbered 300-320 satisfy the Interim requirement. Two 4-semester-hour 300-320 Interim courses are required for graduation. A few 300-320 Interim courses may be offered for less than 4-semester-hours credit; a combination of these smaller courses may be used, when available, to meet part of the basic 8 semester-hour requirement. Junior or senior transfer students need complete only one 300-320 Interim course (4 semester hours).

CORE REQUIREMENT: During the Interim month of January some courses are offered to meet the core requirements. These courses have numbers outside the 300-320 bracket, are identified in the course descriptions, and will not meet the Interim requirement. By the same token, a 300-320 Interim course may not meet the core requirement. Courses to meet the core requirement will be graded in the manner of regular courses.

MAJOR REQUIREMENTS: Interim courses, for the most part, have been designed for the non-major even when a prerequisite is recommended. However, some 300-320 Interim courses are designed for major or advanced students and are so designated in the course description (only one such course may be used to meet the two-course Interim requirement). A 300-320 Interim course may be counted toward a major, as well as toward the Interim requirement, at the discretion of the chair or dean of the major department or school.

ELECTIVES: The third and fourth Interim courses taken (more than 8 semester hours of 300-320 Interim courses) may count as electives toward the 32 course total required for graduation.

UPPER DIVISION REQUIREMENT: Courses numbered 300-320 will not meet the upper division requirement. However, courses numbered above 320 will meet the requirement.

INDEPENDENT STUDY OPTION

To meet the Interim requirement: Up to one full course (4 semester hours) of the Interim requirement may be met by an independent study course. Most of the departments/schools of Pacific Lutheran University are prepared to implement such individual study-research projects. (The Interim Committee must approve ALL independent study courses proposed to meet the Interim requirement.) Such courses will be designated by the number 320.

Mere experience, such as travel or work or a job, does not constitute an adequate course of study. The student should show that his or her experience will involve intellectual inquiry that is substantial enough to justify the hours of academic credit desired. The proposal should specify how the instructor will both guide and evaluate the student's intellectual growth.

Procedure: The student completes a proposal on a form provided by the Interim Director (HA-113). The proposal must then be approved by a supervising instructor and by the dean of the instructor's department or school. The student is responsible for submitting the proposal, with the instructor's and dean's signatures, to the Interim Director (BY NOVEMBER 1.) The Interim Committee will act on the proposal as soon as possible.

To meet other requirements: Independent studies which do not meet the Interim requirement will assume the number the individual department or school has designated for such purposes and need not be submitted to the Interim Committee for review.

PLAN OF ACTION

Students may "be on campus" without registering for a course, provided their general program of activity is approved by their advisor and submitted to the Office of the Registrar. Such a program shall not receive credit, be counted toward graduation requirements, or appear on the transcript. Plans should be submitted no later than December 1. Applications are available in the Registrar's Office.

TRAVEL IN JANUARY

In addition to off-campus studies offered at PLU, other institutions, in all parts of the world and the United States, provide travel-study options during the month of January. Check the special files in the Interim Director's Office to look at catalogs and brochures. The Interim Director is available to help you follow up.

GUIDELINES FOR INTERIM EXCHANGE OPPORTUNITIES

PLU STUDENTS:

The exchange program offers students the opportunity to study during January in many other parts of the country. Students interested in such programs will find catalogs available in the Office of the Interim Director (HA-113). Requests for applications to participate in an exchange on another campus should be directed to the same officer prior to December 1. There is usually a \$10.00-\$20.00 non-refundable application fee payable to the host institution.

The exchange program is open to sophomores, juniors and seniors with a cumulative grade point average of 2.00 or higher. Freshmen may not apply.

STUDENTS ARE ADVISED TO CHECK THE CREDIT VALUE OF COURSES AT OTHER INSTITUTIONS. PACIFIC LUTHERAN UNIVERSITY CANNOT GRANT MORE CREDIT THAN THE HOST INSTITUTION GRANTS. If a full course (4 semester hours) is needed to complete a degree program, the student should be certain the course carries 4 semester hours credit or equivalent.

The Interim tuition fee will be paid by exchange students to the home institution (PLU students pay PLU). Board and room fees will be paid at the host institution according to its fee schedule. Reminder: On-campus PLU students have paid for Interim room and board along with their fall payments. If a student chooses to participate in Interim exchange elsewhere, the PLU board fee for January will be credited to the student's account.

PLU students participating in an exchange are required to carry health and accident insurance which will cover them 24 hours a day (see INSURANCE section).

In the past years, many institutions across the country have cooperated with PLU in exchange opportunities. Interim catalogs and brochures from numerous schools are available for your perusal in the Interim Director's Office. STUDENTS APPLYING FOR AN INTERIM EXCHANGE AT ANOTHER INSTITUTION MUST DO SO THROUGH THE INTERIM DIRECTOR. A partial list of institutions participating in the Interim exchange includes:

Augsburg College, Minneapolis, MN
Augustana College, Sioux Falls, SD
Austin College, Sherman, TX
Bethany College, Lindsborg, KS
Bethel College, St. Paul, MN
California Lutheran, Thousand Oaks, CA
Calvin College, Grand Rapids, MI
Carthage College, Kenosha, WI
Dana College, Blair, NB
Denison University, Granville, OH
Doane College, Crete, NB
Gustavus Adolphus College, St. Peter, MN
Hamline University, St. Paul, MN
Hastings College, Hastings, NB
Luther College, Decorah, IA
Macalester College, St. Paul, MN
Menlo College, Menlo Park, CA
St. Andrews College, Laurinberg, NC
St. Olaf College, Northfield, MN
Sheldon Jackson College, Sitka, AK
University of Redlands, Redlands, CA
Whitworth College, Spokane, WA

Visiting Students:

PLU welcomes exchange students from other 4-1-4 institutions. We feel that the exchange students,

with their diverse backgrounds, enrich our campus and we hope that our extensive curricular and extracurricular offerings during January provide a broadening experience for them in return.

PLU will waive tuition for students from other institutions that have agreed to accept PLU students on a tuition waiver exchange basis. In the event that such a waiver agreement is not possible, there will be a charge of \$1050 for each 4-5 hours taken (\$210 for each hour in excess of 5). Exchange students must also send a non-refundable \$15 application fee with their application. On-campus housing is required so that exchange students may participate fully in the many special activities offered during Interim. Although the final application deadline is December 1, students are urged to apply earlier since classes and dormitories tend to fill. Exchange applications should be sent to Dr. Judy Carr, Interim Director, Pacific Lutheran University, Tacoma, WA 98447.

STUDENT-INITIATED COURSES

The Interim Committee hopes that students will wish to initiate Interim courses.

Any number of students who are particularly interested in a certain subject area may put together a course proposal seeking out a faculty member to serve as sponsor (or instructor) for the course. The same forms, deadlines and procedures that faculty members follow for course proposals will be in effect.

Deadline date for submission of proposals for the following January is April 1.

For forms and further information, please see the Interim Director, HA-113.

ACTIVITIES & EVENTS

NON-CREDIT ENRICHMENT PROGRAM

During the Interim, students and faculty alike share their time, skills and knowledge with each other in a program of educational enrichment. There has been instruction and interest sharing in such varied areas as Swahili, sailing, back massage, Christian growth and evangelism, kite-making, job search techniques, bread baking, grass roots politics, and beledi (belly dancing). If you would like to contribute your time and talent or would like to make a special request for the scheduling of an event during Interim, please contact the Interim Director, HA-113.

January always offers its share of concerts, plays and films. Check the calendar. Most events are free.

NEW STUDENT AND EXCHANGE STUDENT GET TOGETHER

If you are a new student during Interim or an exchange student, join us the evening of January 3 (Sunday) at 5:00 p.m. in the Regency Room of the University Center. There will be an orientation to the campus and geographic area, and a chance to meet some

PLU students while enjoying refreshments and entertainment.

UNIVERSITY CHAPEL

Chapel is a time set apart for hearing the gospel proclaimed in the midst of daily life and for giving praise to God. A variety of services will be used including both traditional and contemporary liturgies. Brief meditations are frequently offered by the University Pastors or special guests.

The meeting times and place for Chapel will be noted in the Interim calendar.

ATHLETIC EVENTS AND RECREATION

Don't forget the basketball games and the various guided "Outdoor Adventures" throughout the Interim month sponsored by Outdoor Recreation. There will be snowshoeing, cross country skiing, and overnight trips during the weekends.

And we hope this January will be a good month for alpine skiing!

SHARE THE WEALTH

The Interim Committee encourages professors to share special lectures, discussions and films with members of the campus community. If you would like to invite students, faculty and staff outside your class to attend a special session, please do so in the Campus Bulletin (University Center, ext. 7450). If you know early in the fall that you will be inviting outsiders to participate in your class, please notify the Interim Director and such information can be listed in other publications.

REGISTRATION

Off-campus courses:

October 12

Continuing Students:

November 2-6

(*Registration appointment cards will be mailed to each continuing student.)

Changes in Registration:

After November 9

General Public Registration:

After November 9

Continued Registration/Changes

January 4

Class schedule will be confirmed at the time of registration.

SPECIAL PROCEDURES FOR OFF-CAMPUS REGISTRATION

Secure off-campus information forms from directors of individual off-campus courses. Complete registration as noted above. You will be required to pay 10 percent of the cost (tuition excluded) to hold a place in the class at the time of registration. Final payment (excluding tuition) must be paid by December 1. Note

other specific payment deadlines listed in the course descriptions. Tuition charges are due on the first day of class. Note that some off-campus courses have special deadlines that differ from the general requirements listed above.

EXPENSES/REGULAR FEES

TUITION

Pacific Lutheran University bases its tuition on a Cost Containment Plan (CCP) which provides for a maximum of 35 credit hours for the 1987-88 academic year at a cost of \$7760. This can be broken down by terms as follows: Full-time students (those taking 12 or more hours in a regular semester (fall or spring) will be charged \$3610 for 12-16 hours plus \$220 for each hour in excess of 16. Interim full-time students (those taking 4-5 hours) will be charged \$1050 plus \$220 for each hour in excess of 5. These charges (for those who stay within the blanket range of 12-16 hours for fall and spring and 4-5 hours for interim) if totalled by semester equal \$8270. To reduce this total to the CCP maximum rate of \$7760 for up to 35 hours, an adjustment will be applied to the student's account. This adjustment is called CCP Spring Discount.

CCP Spring Discount is an adjustment which allows for any combination of regular hours during the academic year up to 35 hours, for a maximum charge of \$7760. This adjustment (if applicable) will show on the account at the spring semester pre-billing in late November. Students participating in a Study Abroad Program during the academic year are not eligible for the CCP Spring Discount.

Example #1	Fall	Interim	Spring
Credit Hours	13	5	17
Tuition	\$3610	\$1050	3610
Excess Hours	-0-	-0-	\$220
Spring Discount	-0-	-0-	(\$730)
Total: \$7760	\$3610	\$1050	\$3100

Example #2	Fall	Interim	Spring
Credit Hours	17	-0-	18
Tuition	\$3610	-0-	3610
Excess Hours	\$220	-0-	\$440
Spring Discount	-0-	-0-	(\$120)
Total: \$7760	\$3830	\$-0-	\$3930

Example #3	Fall	Interim	Spring
Credit Hours	16-15	4-5	10-15
Tuition	\$3610	\$1050	3610
Excess Hours	-0-	-0-	-0
Spring Discount	-0-	-0-	(\$510)
Total: \$7760	\$3610	\$1050	\$3100

Graduate Students will be charged at the rate of \$251 per credit hour and are not eligible for the Cost Containment Plan or the CCP Spring Discount adjustments.

Part-time Students (1-11 credit hours per semester) will be charged at the rate of \$251 per credit hour and are not eligible for the Cost Containment Plan or the CCP Spring Discount adjustments.

Special Course Fees: A few specialized courses, e.g., Physical Education, Art, and Private Music Lessons, require the payment of a special course fee.

ROOM AND BOARD

The university requires that all single full-time (12 or more semester hours) students room and board on campus unless the student is living at home with parents or legal guardians, is 21 years of age or older during the current semester, or has senior status (90 semester hours). All exceptions to this policy must be requested from the Residential Life Office.

Board.....\$110

(Students required by their academic course-work to be off campus for more than a week at a time will receive financial consideration for meals missed.)

Room.....\$135

(Charged only to students who do not reside on campus during fall semester.)

For students who register early, before January 4, the total fees for the Interim are due before the beginning of classes. Payments can be made at the Business office; bank cards are accepted. Early payments are encouraged and will result in early financial clearance. For those students who register after January 4, 1988, the full payment for the Interim is due at the time of registration.

SPECIAL FEES

Students are advised that some courses will require additional or incidental fees. Information concerning these fees is noted in the course description in the catalog. Listed costs for Interim opportunities are as accurate as possible; however, alterations may unavoidably occur. Please check with the instructor of the course if you have questions concerning listed costs. In all instances, additional funds will be necessary for personal expenses, as is true throughout the school year.

TUITION REFUND RATES

100% refund.....January 4-6

No refund.....After January 6

INSURANCE

The University makes available a voluntary insurance plan for all students, whether full or part-time. The plan covers illness or injury requiring treatment or surgery anywhere in the world and gives maximum coverage for a minimum premium. It may be purchased in the Business Office only during registration periods.

Students in any of the following categories or activities are required to enroll in the plan or provide evidence to the University of similar coverage through another source:

1. All foreign students.
2. All students participating in off-campus Interim courses or courses with field trips extending overnight.
3. All students enrolling in ski class, ski club, or other club sports.
4. All nursing students.
5. All PLU students attending school elsewhere as Interim exchange students.

NOTE: STUDENTS USING PLU COMPUTER FACILITIES WILL BE CHARGED AS FOLLOWS:

<u>COMPONENT</u>	<u>COST</u>
VAX Connect Hour	\$0.75/hour
VAX CPU Second	\$0.005/second
VAX Page Printed	\$0.03/page
VAX Disk	\$0.005/block stored
IBM or Apple Microcomputer	\$0.75/hour



DETAILS REGARDING COURSES

CREDIT AND COURSE LOAD

Credit hours available are indicated in each course description. Most courses carry 4 hours of credit.

The maximum course load during the Interim is 1-1/4 courses (5 semester hours). A student may not register for more than 5 semester hours unless given special permission by the Interim Director and by all instructors involved on a course overload form provided by Interim Director's Office (HA-113). Permission for a course overload will not be granted without careful review of each requestor's case.

GRADING

The instructor of a 300-320 Interim course will indicate in the catalog description which of two grading systems will be used:

1. Honors (H) for exceptional work, Pass (P), No Credit (NC) (the registration will not be recorded). These grades do not affect the g.p.a.
2. The regular letter grades: A, B, C, D, E. (Such grades contribute to the g.p.a.) The students in a "regular letter grade" course may use one of his or her pass/fail options. Courses meeting the core requirement and other courses not numbered 300-320 shall be graded in the manner of regular courses.

COURSE NUMBERING

The numbers 300-320 designate all courses which meet the Interim requirement.

All courses with catalog numbers outside the 300-320 range will be treated as regular courses with reference to University requirements and grading practices. (Please note that these courses do NOT meet the Interim requirement.)

BUILDING SYMBOLS

- A...Hauge Administration Bldg.
- E.....Eastvold
- G.....Memorial Gym
- H.....Harstad Hall
- I.....Ingram Hall
- L.....Library
- M.....Math Building
- O.....Olson Auditorium

OFF-CAMPUS

NATURAL HISTORY OF HAWAII

698307 BIOL/ESCI 307

4 semester hours

D. Hanaen, S. Benham

The Hawaiian Islands are an active museum of geology and tropical island plant and animal life. The islands, the most isolated in the world, have native plants and animals, 95% of which occur nowhere else. Their evolution in such isolated conditions has made them fragile and subject to disturbance by humans and introduced plants and animals. Beginning with the Polynesians and continuing through Captain Cook to today, the native marine and terrestrial plants and animals have been increasingly affected; many species are extinct and many more are in danger from overcollecting, competition and destroyed habitat.

This course is designed to introduce the non-science-oriented student to the geology of the Islands and the unique Natural History of Hawaiian terrestrial and marine ecosystems, and what impact humans have had on them. The major portion of the course will be spent on the Island of Hawaii. Hawaii, the youngest island of the chain, is still growing. Kilauea, the most active volcano in the world, has been active since 1983. This creates a natural laboratory to see some of the earth's most spectacular volcanic events, and how plants and animals adapt and adjust. The Island of Hawaii rises to over 13,000 feet, the highest island in the Pacific, presenting contrasts of habitat from warm tropical water and beaches to snow capped peaks.

The first four days (Jan. 4-8), will be spent on the Island of Oahu in Honolulu to visit the Bishop Museum, that houses collections of the human history as well as the natural history of the Islands, and Hanauma State Beach, where corals can be examined.

Housing for the major portion of the course (Jan. 8-30), will be in Magma House (a group dormitory) at Hawaii Volcanoes National Park. From there we will study the geology and biology of marine and terrestrial habitats throughout the island.

Students will need to provide sleeping bags and personal items, along with rain gear and jackets as nights can be cool at Hawaii Volcanoes (50 degrees) and sometimes rainy. Snorkeling gear is also recommended.

Students will be expected to participate actively in daily activities and will need to write an individual paper on some aspect of Hawaiian Natural History. There will be an organizational meeting on December 3, 1987 at 4:00 p.m. in Rieke Science Center (Room 109) to introduce aspects of Hawaiian Natural History.

BIBLIOGRAPHY: S. Carquist, Hawaii: A Natural History; Alison E. Kay, Natural History of the Hawaiian Islands: Collected Readings; G. A. Macdonald, A.T. Abbot, F.L. Peterson, Volcanoes in the Sea, 2nd Edition.

P.....East Campus
R.....Ramstad Hall
S.....Rieke Science Center
X.....Xavier Hall

DAY CODES

M - Monday

T - Tuesday

W - Wednesday

R - Thursday

F - Friday

S - Saturday

LIBRARY HOURS

Monday through Thursday...8 a.m.-11 p.m.

Friday.....8 a.m.-11 p.m.

Saturday.....10 a.m.-9 p.m.

Sunday.....11 a.m.-11 p.m.

January 30.....8 a.m.-5 p.m.

FOOD SERVICE HOURS

University Center:

Breakfast.....7:00-9:15 a.m.

Lunch.....10:15-1:00 p.m.

Dinner.....4:00-6:30 p.m.

Columbia Center Coffee Shop:

Lunch.....11:30-2:15 p.m.

BOOKSTORE HOURS

Monday through Friday:

8:30 a.m. - 6:00 p.m.

Extra Hours:

Monday, Jan. 4:

8:30 a.m. - 6:30 p.m.

Tuesday, Jan. 5:

8:30 a.m. - 6:30 p.m.

If you have specific textbook needs at other times please phone 535-7665 during regular bookstore hours and arrangements will be made to serve your needs.

TIMES FOR CLASS MEETINGS MAY VARY FROM LISTING. STUDENTS SHOULD BE FREE FULLTIME TO MEET AS THE INSTRUCTOR AND THE COURSE REQUIRE.

IN MOST CASES CLASSES WILL MEET DAILY.

NOTE: There will be no classes on Monday, January 18 in celebration of Martin Luther King, Jr., Birthday holiday.

OFF-CAMPUS

REQUIREMENT FILLED: Interim
GRADING SYSTEM: H, P, NC
COST IN ADDITION TO TUITION: \$1,200; includes
airfare, lodging and meals. Excess will be refunded. All
fees must be paid by December 15, 1987. Non-
refundable deposit (on or before 10/30/87) of \$100.00 is
required.

INSURANCE COVERAGE: Required
MAXIMUM ENROLLMENT: 20
MEETING TIME AND PLACE: 7:00 a.m., January 4th
only, S-109, to depart for Sea-Tac.

MANAGING CULTURAL DIFFERENCES: BUSINESS IN EUROPE

608312 BUSA 312
4 semester hours
D.E. McNabb

This course focuses on helping students develop
the necessary cross-cultural skills for understanding and
motivating people from mixed cultural backgrounds.
The content will be presented in a framework of
understanding the commonalities and differences
managers encounter as they carry out business activities
in the twelve nations of the European Economic
Community (EEC). The course will be held at a skiing
resort in the French Alps, and will feature mixed classes
of PLU and French business college students (and
possibly Norwegian and Spanish students). Guest
speakers from European businesses and related
organizations are scheduled, together with visits to
French industries and cultural attractions. All
instruction will be in English; however, opportunities for
personal coaching in the French language will be made
available, if desired. Ample free time is scheduled for
students to make side trips to other French, Swiss,
German and Italian locations. Depart Seattle on
Sunday, January 3; return on or before February 1, 1988.

Undergraduate and Graduate credit possible.
Evaluation will be based on a case study and final exam.

BIBLIOGRAPHY: Philip R. Harris & Robert T. Moran,
Managing Cultural Differences.

REQUIREMENT FILLED: Interim
GRADING SYSTEM: H, P, NC
COST IN ADDITION TO TUITION: \$1650 to \$1900.
Includes round-trip airfare, one-month European rail
pass, lodging and breakfasts and unlimited use of all ski
lifts at the resort. Some lunches will be provided.
INSURANCE COVERAGE: Required
MAXIMUM ENROLLMENT: 25

AUSTRALIA: A LAND OF CONTRASTS

698310 CHEM/NURS 310
4 semester hours
J. Stiggelbout, S. Tonn

America's Cup. Waltzing Matilda. Crocodile
Dundee. Road Warrior. Foster Lager. Gold, aluminum
and gems. Koalas. 'Roos. The Outback. Each
represents a tiny segment of Australian culture as
Americans know it. Australia goes far beyond our
American stereotype. This class plans to investigate
Australian lifestyles, values, and environmental ethics.
We shall study Australian history in order to understand
and follow the development of this young country. We
shall examine the current political and economic climate,
the environment, including the unique flora and fauna,
ethnic populations, and the health care system. This
broad introduction of "life down under" will provide an
awareness of values in a land with strong contrasts yet
many similarities to the USA.

The itinerary will include travel to Sydney,
Canberra, Brisbane and Cairns, as well as a glimpse at
the Outback. Visits will include performances at the
Sydney Opera House, the Federal Capitol of Canberra,
museums, college campuses, and historical monuments.
Depending upon student interests, the group will also
visit hospitals, clinics, industrial facilities, conservation
parks, and oceanographic exhibits.

Class participation is required. Students will
be evaluated on their class discussion, group
participation, and a research project presentation. In
Cairns, our final stop, each student will present a
research project of his or her choice on one facet of
Australian government, history, environment, or health
care.

BIBLIOGRAPHY: Alan Moreland, Cooper's Creek;
Mead & Beckett Publishing, The Great Barrier Reef;
Tony Wheeler, Australia--A Survival Kit; Manning
Clark, A Short History of Australia.

REQUIREMENT FILLED: Interim
RESTRICTIONS OR PREREQUISITES: Tally cards
required.
GRADING SYSTEM: H,P, NC
COST IN ADDITION TO TUITION: \$2500.00 includes;
airfare, housing, most meals, museums, one concert;
additional costs for scuba diving.
INSURANCE COVERAGE: Required
MAXIMUM ENROLLMENT: 20



OFF-CAMPUS

OUR HUMANNESS: PHYSICAL AND RELIGIOUS

698315 CHEM/RELI 315

4 semester hours

B. Nasset, J. Petersen

This course will study several aspects of what it is to be human, and then live and work together as a largely self-contained community. During the first two-and-a-half weeks we will meet on campus and then for over a week we will cruise aboard the Sacajawea on the inland waters of Puget Sound.

During the on-campus part of the course we will explore various biological, interpersonal, and theological aspects of what it means to be a person. We will examine various ways in which people understand the world around them and relate to others. We will then consider ways in which various styles of understanding the world and relating to others are significant in finding meaning and purpose.

During the second part of the course we will cruise the waters of Puget Sound as a mini-community, living and working together. We will be the crew and the guests, preparing our food and cleaning up, working and relaxing together, throughout the duration of the cruise.

The work during the course will include readings and short papers, small group work, films and class discussions. Evaluation will be based on quality of work, participation, and overall contribution to the group.

BIBLIOGRAPHY: Harris, *I'm Okay, You're Okay*; Buscaglia, *Personhood*; Gregorc, *An Adults's Guide to Style*; Gregorc, *Style Delineator*; Morris, *The Human Zoo*; Pelletier, *Mind as Healer, Mind as Slayer*; Smith, *When I Say No, I Feel Guilty*.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$190, and \$35 for food for off-campus students.

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 12

MEETING TIME AND PLACE: 9:00 a.m. - 1:00 p.m., M-F, A-216.

DREAMS - AT HOLDEN VILLAGE

630308 ENGL 308

4 semester hours

D. Seal

Much of our creative strength lies largely untapped, deep in our unconscious. We can pay \$75 an hour for psychoanalysis, but we can also tune in on free trips to our own nether regions -- our dreams. We all dream, and yet paradoxically most of us sleep through our chances to learn from them. This Interim we will explore ways to learn about dreams, to interpret dreams, and to make use of our dreams in our own art.

We'll begin by following some contemporary practical and scientific guides, such as Faraday, Jones and Garfield. They point out what we can and can't do with dreams. We will then apprentice ourselves to the older explorers, Freud and Jung, in order to see what place dreams have in two modern psychologies. Some work with Fritz Perls' Gestalt interpretation and James Hillman's image orientation will acquaint us with two old childhood friends: skits and crayons. We will look for some connections between dreams and larger concerns: health, poetry, myth, death. We will also work with guided imagery, and explore its relations to dreams. In addition, there will be a special unit on animal dreams.

Students will be expected to keep a dream journal in which they record and interpret their dreams. Five dreams and their interpretations will be handed in. A small paper will be required at the end of the second week on some intellectual aspect of dreams. In addition, student will work on a final project concerning dreams. They may choose to write an analytical paper on some aspect of their dreams; or they may choose to compose and perform their own music to a dream; or choreograph a dance to a dream; or construct a dramatic encounter and stage the dream; or render it by means of the plastic or visual arts. This final project will be submitted to or performed in front of the entire class.

Holden Village is a Lutheran retreat center in the North Cascades. Approximately 100 other people will be living there during January. All facilities available to the winter community will also be available to us. Bring your cross-country skis if so inclined.

BIBLIOGRAPHY: Freud, *On Dreams*; Jung, *Man and His Symbols*; Garfield, *Creative Dreaming*; Faraday, *Dream Power*; Perls, *Gestalt Therapy Verbatim*.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$425-450, including transportation to and from Holden, one night in a motel, ferry, on-site costs at Holden.

INSURANCE COVERAGE: Required



OFF-CAMPUS

LIVING AT THE LEADING EDGE: LIFE WITH NATURAL HAZARDS IN WASHINGTON

618303 ESCI 303

4 semester hours

D. Foley, B. Lowes

The eruption of Mt. St. Helens in 1980 dramatically illustrated the potential violence of natural geological events. This class will look at selected geological events, and examine the values society places on coexisting with them. Snow avalanches, volcanic eruptions, earthquakes, landslides, and floods are the topics that will be covered. Illustrative examples of these events will emphasize the active geology of Washington. Analysis and interpretation of past occurrences of geological hazards will be discussed, as they form the basis for prediction of future hazards.

This course will be held at White Pass, and local hazards will be thoroughly discussed. The class will involve both lectures and laboratory exercises. At least one laboratory will be in the field, to study the local snowpack structure. Grades in the class will be determined on the basis of two examinations, laboratory work, and class participation.

BIBLIOGRAPHY: Hays, Facing Geologic and Hydrologic Problems; Decker and Decker, Volcanoes; La Chapelle, ABC's of Avalanche Safety.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: Tally cards required. Course is available to PLU Ski Team members in training at White Pass.

GRADING SYSTEM: A, B, C, D, E

INSURANCE COVERAGE: Required

MEETING TIME AND PLACE: White Pass Ski Area/Packwood Library, 12 hours per week

IMAGING THE SELF AT FINDHORN IN SCOTLAND

634233 INTG 233

4 semester hours

G. Youtz, L. Gold

"Imaging the Self" is a unique course designed to study and experience the unfolding process of how we define and know who we are and from where that definition and knowledge came.

The class is structured to imitate a lifetime, starting with a birth and ending with a funeral pyre. We follow our development of self-awareness from childhood to old age confronting a myriad of issues and problems through various activities including reading, journal writing, art projects, presentations and discussions with special emphasis on doing, making, and hearing followed by reflective analysis.

By involving students' academic and

experimental modes of learning simultaneously, new connections within the self and between the self and others develop, allowing us to see more clearly the truly integrated nature of ourselves, our world, and our place in it.

This Interim, we will be staying mostly at the Findhorn Foundation in Forres, Scotland, with one week on the Island of Erraid off Scotland's west coast and several days in Edinburgh, a culturally rich and ancient city full of interest.

Findhorn is a non-denominational, international, spiritual community of about 200 members living, studying and working together in the northeast of Scotland. Established in 1962, it is a holistic center for education and personal growth. They have no formal doctrine or creed, but feel that encouraging people to seek their own spiritual center is an important part of positive participation in the world-wide community of man.

Within this beautiful setting we will experience along with our class, the community of Findhorn itself. This caring, supportive, heterogenous group of people from all corners of the world will add an important dimension to Imaging the Self.

Students will be graded on the basis of an intensive personal journal; the art project; and through both faculty and student evaluation, on the quality of their participation and involvement in class activities as well as their personal growth during this experience in Scotland.

BIBLIOGRAPHY: Russel Baker, Growing Up; Dorothy Bryant, The Kin of Ata are Waiting for You; John G. Neihardt, Black Elk Speaks; Hermann Hesse, Narcissus and Goldmund; Alan W. Watts, The Book: On the Taboo Against Knowing Who You Are; Richard Bach, Illusions.

REQUIREMENT FILLED: Core II: Core I transfer equivalency Art or Literature when taken together with ISP 234.

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$1,500.00; includes transportation and room and board.

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 22

OFF-CAMPUS

LONDON: A CULTURAL TOUR

656300 MUSI 300

4 semester hours

C. Knapp

To see this great city, we have planned as many things as possible to fit into a schedule of 10 days.

Plans are to visit Windsor Castle and its charming town. A half-day's guided tour of London will give us a bird's eye view of this great city. We will use London's efficient underground for most of our transportation, and our tour will include Buckingham Palace and the changing of the guard, Houses of Parliament, Piccadilly Circus, Hyde Park, Speaker's Corner, Tower of London, London Bridge, Our Lady of Threadneedle Street (financial district), the London Stock Exchange and many other places of interest.

Museums to be included are the British Museum of Natural History, National Gallery of Art, Victoria and Albert Museum, Tate Gallery and the Wallace Collection. The cathedrals and churches to be seen include St. Paul's Cathedral and Westminster Abbey. Plans are to visit Stratford-on-Avon, Oxford and Cambridge.

We will attend a performance each evening of an opera or ballet, symphony concert or play at such places as the Queen Elizabeth Hall, Royal Festival Hall, The Coliseum, and the many London Theaters. London boasts of some of the finest performances to be found.

The first week of this course will prepare students, on campus, for an extensive tour of the London area. We will study the opera, ballets, symphonies and plays that we will hear and see. Students will compile a journal which will include the places visited. There will be free time to browse and shop in the many interesting shopping districts that London boasts.

A side trip to Paris will complete the experience. Soak in the history, art, and beauty of this city.

Students will keep a journal of their experiences in London and Paris. Evaluation will be based on the journal, active participation, and quizzes given on campus before departure.

Bring your cameras! In this scenic and historical city, opportunities for the amateur photographer are virtually limitless.

BIBLIOGRAPHY: William Shakespeare, Taming of the Shrew; Darwin Porter, Frommer's Guide to London.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: Tally cards required.

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$1499; includes airfare, housing, breakfasts, tickets to performances and museums; does not include lunches and dinners

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 8:30 a.m. - 11:00 a.m., M-F, E-122

INTENSIVE STUDY AND PERFORMANCE OF CHORAL MUSIC

656319 MUSI 319

4 semester hours

P. Mattson

This course is an intensive study and performance of choral literature. The goal of the course is to achieve a professional level of musical performance and a musically mature understanding of the literature studied and performed. The course is open only to students who are members of the University Chorale. Intensive rehearsals at the beginning of Interim will culminate in a concert tour of the Northwest and Western Canada during the final ten days of Interim.

REQUIREMENT FILLED: Interim

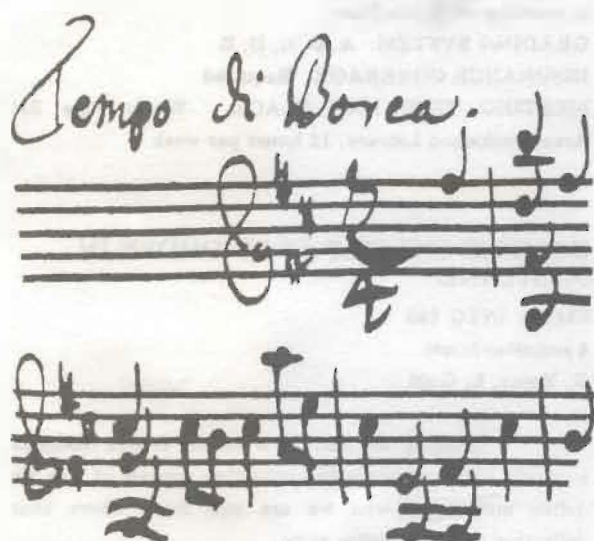
COURSE LEVEL: Restricted to members of University Chorale only.

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$150.00

INSURANCE COVERAGE: Required

MEETING TIME AND PLACE: 9:30 a.m. - 12:00 noon, 2:00 p.m. - 5:00 p.m., M-F, E-227



OFF-CAMPUS

THE EXPEDITION EXPERIENCE

668306 PHED 306

4 semester hours

D. Ryan

"The Expedition Experience" is an interdisciplinary course designed to combine physical education and outdoor skills while pursuing academic research. The participants will organize and carry out their own research-oriented "expedition" of approximately 7 days duration. Location, itinerary, and goal setting will be determined during the first week of Interim. Students will prepare physically, logistically, and academically for their decided goals.

Each participant will design his/her own individual or group research project to be enacted during the course of the "expedition." Such projects will be derived from a discipline of each student's interest and must be approved by the instructor. Class time each day will be spent in trip planning and in the study of wilderness skills, expedition "theory" and history, research design and assorted relevant topics. Physical training will also be emphasized to insure preparedness for the journey. Experienced expedition veterans will be invited as occasional guest lecturers.

Grading will be based primarily upon participation, the submission of an "expedition journal" and a completed report of one's research project.

BIBLIOGRAPHY: Gene Fear, Surviving the Unexpected Wilderness Emergency.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$35/student to cover transportation costs, group equipment, and incidental expenses.

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-F, X-203

BUDDHIST NEPAL: A HIMALAYAN TREK

668316 PHED 316

4 semester hours

S. Officer

The ideal way to experience another culture and to study Buddhism is to combine lectures and discussions with visiting the sites where this ancient religion is practiced. The Solu-Khumbu region of Nepal is the home of the Sherpas who are of Tibetan stock and practice their own version of Buddhism. You will trek from Jiri at 6,250 feet to Thyangboche (12,700 feet) and in the process visit 5 monasteries, meet with lamas, monks, nuns and lay practitioners. You will be able to see the majesty and beauty of the Himalayas, to visit Sherpa homes, experience a culture so different from our own as to be nearly incomprehensible. This is truly an experience of a lifetime!

Students will be required to read one book during or prior to the trek and keep a personal journal of the entire experience. Trek departs Sea-Tac on January 5 and returns on Jan. 30.

BIBLIOGRAPHY: Hugh R. Down, Rhythms of a Himalayan Village; John Gottberg Anderson, Nepal.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: An informed consent form must be on file, as well as a medical clearance from PLU Health center or personal physician.

COURSE LEVEL: The course is designed for all students in good health and capable of hiking for 20 days at moderate elevations and in reasonably cold weather.

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$2700.00; includes airfare, visas, trek permits, hotel with breakfast in Kathmandu, all meals and equipment on the trek.

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 12

MEETING TIME AND PLACE: 2:00 p.m. - 4:00 p.m., January 4th only, O-102

OFF-CAMPUS

CARIBBEAN SAILING AND NAVIGATION

668317 PHED 317

4 semester hours

M. Rice

12

The Virgin Islands is blessed with warm, protected waters, short distances to landfalls and steady trade wind breezes making it an idyllic area to learn to sail. The purpose of this course will be to learn sailing and coastal navigation in a warm, relaxed environment living aboard luxurious chartered sailing yachts.

Sailing terminology, points of sail, sail trim, knot tying, person overboard recovery methods, Coast Guard safety requirements, right of way, collision avoidance, coping with emergencies, buoy systems, sail shape, heavy weather sailing, anchoring, steering, identification and proper use of systems on board a large sailing auxiliary, chart reading, dead reckoning, use of the compass and piloting techniques will be covered.

Students will meet Tuesday, January 5th through Friday, January 8th for orientation and introductory lectures. They will then spend 8 days in one of three sessions on board the yacht learning practical sailing skills. The first 8-day session will be held January 10th through 18th; second will be held January 17th through the 25th; and the third session will be held January 24th through February 1st (please state your first and second preferences for sessions on the sign-up sheet in the Physical Education Department). Students will rotate assigned positions daily to learn all aspects of sailing and navigation. Time will also be taken to relax and swim or snorkel/scuba in the warm, crystal clear water including a dive of the famous wreck of the Rhone.

BIBLIOGRAPHY: Rousmaniere, John; Annapolis Book of Seamanship.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$1,100 does not include airfare). This includes yacht charter, 1 night hotel, instruction, insurance, and food and beverages on board yacht only.

MAXIMUM ENROLLMENT: 21

MEETING TIME AND PLACE: 2:00 p.m. - 5:00 p.m., January 5th through January 8th, O-102

VALUING OUR NICARAGUAN NEIGHBORS

698304 SOCW/EDUC 304

4 semester hours

V. Hanson, M. Hanson

This course provides the opportunity for participants to be among the thousands of U.S. citizens who yearly give their bodies, minds and spirits to projects which promote the health and well-being of the people of Central America. This particular opportunity is with a school construction project in Nicaragua sponsored by C.A.R.E., the international relief and development organization. Participants will be able to investigate aspects of the theory of Third World development and see first-hand one example of how the theory is applied. The course includes 1) an on-campus unit of learning activities -- lectures, reading, films, and discussion on the history and current situation of Nicaragua, 2) an orientation to Nicaragua provided by the staff of the Center for Global Education at the Center's house in Managua, 3) an experiential unit, being part of the C.A.R.E. construction crew helping to build the school in the countryside while living with a Nicaraguan family, and 4) a de-briefing time back on campus. Each participant, prior to the travel, will have identified an issue of concern, done preliminary reading and submitted a two-page summary. Upon return the research will be completed and shared with the group.

BIBLIOGRAPHY: Thomas W. Walker, Nicaragua, The Land of Sandino.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$1,220: Includes airfare, meals, lodging.

INSURANCE COVERAGE: Required

MINIMUM ENROLLMENT: 12

MEETING TIME AND PLACE: 10:00 a.m. - 2:00 p.m.; Monday, January 4th and Tuesday, January 5th; 10:00 a.m. - 2:00 p.m.; Wednesday, January 27th; P-10A

INTERDEPARTMENTAL

THE MATTER AND SPIRIT OF LEADERSHIP

698300 COMA/EDUC/PSYC 300

4 semester hours

K.O. Mannelly

The premise of this course is that life consists of opportunities for all of us to lead. This course is for those who have wondered about leadership concepts and the skills/abilities of leaders.

Students will be exposed to a variety of leadership theories and styles. Through readings, discussions, and projects students will develop an understanding of how groups function. A variety of structured experiences will provide opportunities for students to assess leadership potential and strengthen their leadership abilities. In addition, students will assess and analyze their own attitudes, values, and skills which contribute to effective leadership.

The course will also cover the topics of decision making, groups dynamics, team building, delegation, power, conflict management, minority-majority relations, effective meetings, human relations and organizations. Guest lecturers will be featured.

Course requirements include assigned readings, reaction papers, class participation/discussion, and a presentation or project approved by the course instructor. Students will be evaluated on the basis of class attendance and participation, quality of work, and a final examination.

BIBLIOGRAPHY: W. Bennis & B. Nanus, Leaders, The Strategies for Taking Charge; John Kotter, Power & Influence; Gareth Morgan, Images of Organization.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 6:00 p.m. - 9:00 p.m., M-F, A-200

FAITH AND FITNESS: THE QUEST FOR BALANCE

698301 RELI/PHED 301

4 semester hours

S. Govig, G. Chase

That faith in a religious power may combine with scientific medical care to promote well-being is an assertion receiving widespread support in both church and medical circles. Under the broad topic covering the influence of mind upon the body, this course examines inward prayer as practiced in the Christian East from the fourth century on ("hesychasm," see Prov. 4:23, Luke 17:21). In similar fashion Hindu mantra and mandala meditation practices are described. Particular attention is given to the issue of the long-range sustenance of well-being found in the interplay of attitude, diet, and physical exercise.

We offer a thesis that while religion promotes the release from bodily suffering, at the same time believers also consider well-being as more comprehensive than merely possessing good health.

The course also investigates other selected historical perspectives. These include, for example, current "deliverance" ministries (faith healing) in Pentecostalism, Seventh-Day Adventist dietary concern (alternatives to red meat), the Christian Science practitioner, and theologies of denominations opposed to alcohol and caffeine use.

Guest speakers will be invited; and films and video tapes such as Norman Cousins's Anatomy of an Illness are scheduled.

Students will examine positive health strategies incorporating "faith", and discuss their findings. Evaluation of student performance includes class participation and group discussion. A paper (topic to be assigned) is due at the end of Interim.

BIBLIOGRAPHY: Herbert Benson, Beyond the Relaxation Response; trans. Helen Bocovcin, The Way of a Pilgrim; Henri J. M. Nouwen, Behold the Beauty of the Lord: Praying With Icons; Ronald L. Numbers and Darrel W. Amundsen (eds.), Caring and Curing: Health and Medicine in the Western Religious Traditions; Journal "Second Opinion" (The Park Ridge Center); J. Greenberg, Stress Management; Harold Kushner, When All You've Ever Wanted Isn't Enough.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 9:30 a.m. - 12:00 noon, M-F, A-219

DEPARTMENTAL

Anthropology

THE SPIRIT OF ASIA

602301 ANTH 301

4 semester hours

G. Guldin

With the greatest portion of humanity living in Asia, our globe is becoming increasingly Asia-focused. This course will provide an Asian view of the world as well as a view of Asia. It will be a primer for those with little or no background on Asia and will present the essential facts about politics, art, history, economics, religion, morals, geography, and languages for East, South and Southeast Asia. Students will read books, listen to guest speakers, view films and conduct one off-campus field trip to gain a rudimentary feel for the Asian one-half of humanity. The contemporary Asian scene will also be surveyed, and case studies of India and China emphasized to provide students with "Asian visions" of humanity, the world and the cosmos. Students will be evaluated on the basis of class participation, a midterm, and a final.

BIBLIOGRAPHY: Welty, The Asians; Myrdal, Report from a Chinese Village; Suttle, The Iban of Sarawak; Beals, Gopalpur: A South Indian Village.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$15.00 film fee

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-R, X-112

Art

ART: EXCEPTIONAL VALUES

604304 ARTD 304

4 semester hours

D. Cox

Developing a true awareness and working knowledge of art can alter and improve the way an individual perceives the world and himself/herself. This course will attempt to dismiss many of the traditional stereotypes and myths about art, artist and art patrons. It will reduce the barriers and begin to show students that everyone has artistic abilities and can develop the skills necessary to produce and appreciate quality art.

This course becomes a study of awareness, involving mind, matter and spirit. In a physical sense, students will begin to discover what kinds of values and skills are utilized in drawing--a basic form of visual communication. Approximately two weeks of the course

will be devoted to this brief introduction to skill-building in a studio art sense and to discussion of some intriguing contemporary concepts that relate to everyone's abilities visually (such as right and left brain theories, etc.). Special guest artists will discuss their own personal value systems. Students will then have a chance to envision alternative methods (exceptional ways) of valuing our world.

BIBLIOGRAPHY: Robert Henri, The Art Spirit; Betty Sali, Drawing on the Right Side of the Brain.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$10.00 fee for studio materials (supplied for each student)

MAXIMUM ENROLLMENT: 40

MEETING TIME AND PLACE: 12:30 p.m. - 3:30 p.m., M-R, I-126

RAKU

604310 ARTD 310

4 semester hours

L. Peterson

Raku as a pottery technique had its roots in Zen Buddhism of 16th century Japan. It developed as an important part of the Zen Tea ceremony, not merely as a utilitarian craft, but as a deep spiritual experience.

Raku involves a spectacular firing process of placing a ceramic object directly into a 2000 degree kiln. When the object is red hot it is removed and quickly cooled producing totally unique effects.

The purpose of the course is to use the technique of Raku pottery for contemporary ceramic expression. In addition to learning forming techniques, students will have an opportunity to mix clay and glazes, and to build and fire simple Raku kilns.

Previous art or ceramic experience is not a prerequisite.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$30.00 materials fee

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 24

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-F, I-144

IMAGINATION IN GLASS

604315 ARTD 315

4 semester hours

M. Gulsrud

The making of glass art has historically involved the spiritual as a very element of the process of bringing to material form the imaginative ideas of the artist and the community. In this course we will expose various techniques and materials as well as the more transcendent qualities and sources of this rich and exciting medium. Glass work has experienced a recent period of renaissance in both fine and cultural influences directing the evolution of glass work. It will also familiarize students with new techniques in stained glass as well as slumping and fusing.

Assigned problems in a variety of glass techniques will enable students to acquire glass-working skills as well as increased design concept awareness. The projects will include leaded, foiled, 3-dimensional, kiln-fired and sandblasted glass techniques. Students are encouraged to develop and use individual expression in solving the problems.

No prior art experience is necessary.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$30.00 lab fee

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 18

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon,
M-F, I-128

THE PAINTER'S CRAFT

604316 ARTD 316

4 semester hours

B. Frehse

Will the paintings you do this year self-destruct within your lifetime? What was Degas' secret fixative formula? How can we make fresco paintings last as long as a Minoan fresco? Learn from "The Old Masters" as you discover the sources and the reasons why many traditional materials and techniques are still wise and functional methods for contemporary artists.

This course is an intensive studio course designed to offer a thorough investigation of the chemistry and methods of traditional painting materials and their production and uses. Special emphasis is put on the use of handmade materials in a contemporary context. Media areas to be explored are pastel, oil painting, encaustic, fresco and fresco secco.

Previous painting experience is not necessary. Evaluation is based on realization of methods projects and a final critique and written exam.

BIBLIOGRAPHY: Ralph Mayer, The Artist's Handbook of Materials and Techniques.

REQUIREMENT FILLED: Interim

COURSE LEVEL: This course is designed for beginning students and Art majors.

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$50.00 studio fee plus basic painting tools

MAXIMUM ENROLLMENT: 15

MEETING TIME AND PLACE: 9:00 a.m. - 11:50 a.m.,
M-F, I-128

COLOR IMAGING

604319 ARTD 319

4 semester hours

B. Geller

Can the camera artist explore the vital issues of the painter? Color Imaging is a practical course for those students interested in color photography. Students explore the creative potential of the technology: processing color slides and color negatives, and printing from Ektacolor negatives. The course includes a survey history of color photography and perspectives of contemporary artists. Part of the course will involve gallery tours to local Tacoma and Seattle galleries. The course is comprised of demonstrations, labs and critiques. Course evaluation will be based on students' portfolios from problems assigned in class. No prerequisites necessary.

BIBLIOGRAPHY: Time Life, Color.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$35.00

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 1:00 p.m. - 4:00 p.m.,
M-F, I-134A

IMAGERY AND SYMBOLISM

604386 ARTD 386

4 semester hours

E. Schwidder, D. Erlander

The study of symbols (designators) is the search for meaning--a way to identify, emphasize, and understand ourselves and the world around us. Identification of symbols--graphic, allegorical, private, sensorial, and/or figurative -- provides avenues of approach to works of an ideological nature. Such communication goes beyond the visual, beyond the object, and into the realm of mysticism, religion and superstition. Primary attention will be given to the origin and evolution of images, symbols, costumes, rituals, and other aspects of the Christian culture. Also included will be a discussion of personal symbolism and an introduction to "kitsch" or the false image.

The course will follow a lecture/discussion format, with demonstrations, particularly in the study of symbols of ritual and movement. Emphasis will be on group participation. One exercise will be the re-enactment of the monastic day, the horarium. This will be conducted through two 24-hour periods (Monday, January 18, 6:00 p.m. - Wednesday, January 20, 6:30 p.m.). All students are expected to participate. Any who would not be able to dedicate this time to the exercise, or do not wish to participate for religious reasons, should not register for this course. Weekly reports summarizing, analyzing, and elaborating on the material presented will be required. In addition, students will do an appropriate term project.

BIBLIOGRAPHY: G.W. Ferguson, Signs and Symbols in Christian Art; A. Grabar, Christian Iconography; C. Jung, Man and His Symbols; G. Kepes, Sign Image and Symbol; G. Santayana, Sense of Beauty; J. W. Dixon, Nature and Grace in Art.

REQUIREMENT FILLED: General University Core Requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 10:00 a.m. - 12:30 p.m., M-F, 1-116

Biology

NATURAL HISTORY OF HAWAII

698307 BIOL/ESCI 307

4 semester hours

D. Hansen, S. Benham

(See off-campus listing)

UNDERSTANDING CANCER

606312 BIOL 312

4 semester hours

D. Kerk

The diagnosis of "cancer" can generate a degree of fear, frustration, and pessimism about one's future matched by few other diseases. Many families have experienced it, or know someone who has. It is not a new disease by any means. The ancient Egyptians wrote about it, and Inca skeletons show its marks. Yet until very recently its workings were a total mystery.

We are living in an exciting period of discovery and progress in cancer research. Some cancers which were once fatal are now curable. We are beginning to understand the inner workings of the cancer cell. We are not adrift amidst a virtual sea of unknowable and uncontrollable cancer causing agents. The way we lead our lives is the most significant determinant of our cancer risk. We can know what is likely to be beneficial and harmful for us, and act accordingly. Our greatest danger from cancer is a fatalism borne of ignorance. Our weapon is to educate ourselves concerning its manifestations and characteristics.

This introductory level course will provide students with a broad overview of cancer biology, including aspects of normal cell structure, function, and genetic expression; tumor types; theories of the cause of cancer; alteration of cancer cells; growth and spread of tumors; cancer causing agents; "cancer genes"; elements of cancer diagnosis and treatment; cancer incidence and trends; and protection against cancer.

The course will be presented in a lecture format, supplemented by several audiovisual segments. Evaluation will be through weekly examinations.

BIBLIOGRAPHY: S. B. Oppenheimer, Cancer: A Biological and Clinical Introduction

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: One semester general biology (or consent of instructor) is required.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 9:30 a.m. - 12:30 p.m., MTWR, S-102

THE PAST, PRESENT AND FUTURE OF BIOTECHNOLOGY

606315 BIOL 315

4 semester hours

A. Alexander, T. Carlson

Technology is often defined as applied science. As such, technological developments might be imagined to follow basic scientific discoveries, and often this is the case. The earliest examples of biotechnology, however, predate biological science as a discipline; human control of biological processes clearly predates any scientific understanding of those processes. Civilization as we

Business Administration

MANAGERS AT WORK

608305 BUSA 305

4 semester hours

W. Crooks

The purpose of this course is to analyze the differing methods of managers at work from first-line supervisors to presidents or top administrators in both business and government, and to determine the impact the profit motives have on managerial methods by comparing organizations of profit-oriented business with non-profit government.

Management is a universal subject and the meaning depends upon each manager's interpretation. The Interim course has focus on what managers are doing. The periodical bibliography focuses on several management types or approaches: formalistic, competitive, collegial, situational, and management by objectives.

A special emphasis will be placed on top managers and first-line supervisors. Diverse organizations, both in government and business, will be used to provide comparisons.

At the first class meeting a three-hour briefing by the instructor will initiate students to some of the practicing philosophies of management, as well as the reasoning behind their use. Guest speakers from representative organizations will be scheduled from 9:00 to 12:00 p.m. daily. These will be interspersed with field visits to organizations from on-site briefings and tours. Selected students will be assigned to general areas for research and also to question speakers in specific areas.

Students will prepare written reports highlighting particular management aspects.

BIBLIOGRAPHY: Peter F. Drucker, The Effective Executive; Management: Managing for Results; Preparing Tomorrow's Business Leader Today; The Concepts of the Corporation; Managing in Turbulent Times. Periodicals include: Harvard Business Review; Business Week; Barron's Industry Week; Wall Street Journal.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon,
M-R, A-213

know it required that ancient humans forego a nomadic hunting and gathering life and adopt a settled life; permanent settlements and the growth of cities were possible only with the rise of agriculture, which ensured a reliable food supply. The earliest biotechnologies -- those related to controlled planting of seeds and domestication and controlled breeding of animals -- are at the root of civilization. Over thousands of years society at large has depended on such basic biotechnologies. In addition, history is liberally sprinkled with examples of human intervention in disease processes, and the prevention and treatment of diseases represents another major branch of biotechnology. Biotechnology, then, has played a central role in the drama of human development, though the importance of this role has never before been so clearly recognized as it is today. In this course we will explore biotechnology in the context of human society, noting the past important contributions of biotechnology as well as the many ways in which biotechnology affects us today. Our emphasis will be on the present, and we will consider the scientific bases for diverse biotechnologies as well as the biotechnologies themselves in such areas as agriculture, the food industry, production of industrial chemicals, mining, disease prevention, disease treatment, genetic screening, artificial organs and prostheses, and organ transplantation. Additionally, we shall look to the future to see how biotechnology might affect our lives in years to come. In our consideration of present and future applications we shall attempt to discern ethical, moral, political, scientific, and economic issues that have arisen or will arise as biotechnology plays increasingly important roles in our daily lives.

The activities of the course will consist of lecture, discussion, videotapes, and guest speakers. Students will be required to attend all class sessions, to participate in discussions, and to complete writing assignments (including one term paper and several informal writing assignments). Informal writing assignments will be designed to enhance discussion activities. All written material will be evaluated, and participation in discussion will be acknowledged.

BIBLIOGRAPHY: Bu'Lock and Kristiansen, Basic Biotechnology; Olson, Biotechnology: An Industry Comes of Age; Re, Bioburst: The Impact of Modern Biology on the Affairs of Man; Silver, Biotechnology: Potentials and Limitations; Kass, Toward a More Natural Science: Biology and Human Affairs; Zimmerman, Biofuture: Confronting the Genetic Era; Cherfas, Man-Made Life; and readings from Science, Nature, Scientific American, and popular literature.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon,
T-F, S-122

PERSONAL FINANCIAL MANAGEMENT

608308 BUSA 308

4 semester hours

Staff

Over the last several years we have become acutely aware of the fact that personal financial security is an elusive goal, and once achieved, a temporary condition. However, efficient use of one's present resources and careful planning for the future can help to cushion the economic impact of unemployment, illness, and old age.

The primary objective of this course is to provide the student with the working knowledge of various aspects of personal financial management. Topics will include budget-keeping, use and misuse of credit, insurance, investments, taxes, wills, and personal bankruptcy. The impact of the two-career family on family financial management will also be discussed. The course will also provide an introduction to fundamental economic concepts and terminology.

Social workers find that financial problems and arguments about financial matters are often the root cause of marital strife and personal crisis. Therefore, a secondary objective of this course is to assist those anticipating careers in social work, counseling, and the ministry in developing a better understanding of the mechanics and interpersonal dynamics of personal financial management.

Students will be expected to read and discuss assigned materials. While it is recognized that money can be a very private matter, contributions to class discussions from individual personal experience are encouraged. Other learning opportunities will include the use of microcomputer facilities for personal budgeting and a series of simulated investments. Field trips to area financial institutions may be arranged.

Students will be evaluated on class participation and on their written responses to three case studies.

BIBLIOGRAPHY: Richard J. Stillman, Guide to Personal Finance, A Lifetime Program of Money Management.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 6:00 p.m. - 10:00 p.m., MTR, A-210

THE TIME OF YOUR LIFE: LIVING FULLY IN THE AGE OF INFORMATION

608309 BUSA 309

4 semester hours

E. Reynolds

As participants in this "Age of Information" we are all under pressure. Every minute must be made to count. Traditional time management seminars have focused on left-brain techniques for managing known tasks. These techniques are very useful, but more is required for today's world.

"The Time of Your Life: Living Fully in the Age of Information" sets the existing techniques into the whole of life. Sometimes the most effective use of time is to "waste it!"

Effective time management must be integrated with effective life/self management. Both require more than techniques. This course addresses the totality of our lives, with the focus on how we perceive and use time.

The class is divided into four major areas: Time management techniques and philosophy, stress management and the prevention of burnout, waking up the mind for greater creativity, getting to know your brain.

Evaluation is based on participation, an individual journal, and group work.

BIBLIOGRAPHY: Charles R. Hobbs, Time Power.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$30.00 for workbook and workshop materials

MAXIMUM ENROLLMENT: 15

MEETING TIME AND PLACE: 6:00 p.m. - 10:00 p.m., T-R and 9L00 a.m. - 12:00 noon, S; A-216

MODERN BUSINESS COMMUNICATIONS

608311 BUSA 311

4 semester hours

L. Staveland-Ells

Business communications involve oral, non-verbal, and written forms. In this course, students will learn to 1) organize and analyze intended messages so the message will be clearly and quickly understood by the receiver and 2) recognize hidden messages and use them effectively.

Students may expect to apply sound communication principles to their business tasks, and to gain confidence in their ability to communicate.

Classes are conducted primarily in a workshop manner with discussions, critiques, and in-class applications of learned concepts. Written applications of learned concepts. Written applications receive major emphasis; however, oral and non-verbal applications are included, one of which is videotaped.

Assigned work includes pertinent readings;

written application; and a weekly, student-led seminar. Grades are based on class participation, two examinations, a business report, and a self-evaluation report. All assignments must be submitted.

BIBLIOGRAPHY: Murphy & Hildebrandt, Effective Business Communications; Periodical: "Harvard Business Review"

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 5:30 p.m. - 9:30 p.m., MWR, A-215

MANAGING CULTURAL DIFFERENCES: BUSINESS IN EUROPE

608312 BUSA 312

4 semester hours

D.E. McNabb

(See off-campus listing)

LAW FOR ACCOUNTANTS

608319 BUSA 319

4 semester hours

D. MacDonald

Accountants and many others interested in a business career need a thorough grounding in business law. Law comes from two sources: statutes and common law. This course will cover contracts, negotiable instruments, secure transactions, documents of title, and investment securities covered by the Uniform Commercial Code. General rules of law are covered for other areas governed by individual state statutes and common law. Several topics are covered by federal law including: accountants' legal liability, federal securities laws, antitrust, bankruptcy, and employer-employee relationships.

This course should provide the thorough grounding in Business Law expected by the accounting profession.

Evaluation will be based on written assignments throughout the course.

BIBLIOGRAPHY: William T. Schantz and Janice E. Jackson, Business Law.

REQUIREMENT FILLED: Interim

COURSE LEVEL: This course is designed for majors or advanced students.

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 9:00 a.m.-1:00 p.m., MTW, A-211

BUSINESS POLICY

608455 BUSA 455

4 semester hours

W. Yager

In this course students study organizational administration from a top management perspective, as well as the formulation and execution of strategies and policies to integrate all management and business function in support of organizational objectives. Also included are implications of resource availability, technology, and the economy; education, religion, ethics, and personal values; social responsibility; public policy and international relations for top management decisions. Assignments include comprehensive case analyses, which will serve as the main basis of evaluation.

BIBLIOGRAPHY: Christensen, Berg, Salter, and Stevenson, Policy Formulation and Administration.

REQUIREMENT FILLED: Major requirement

RESTRICTIONS OR PREREQUISITES: Eligibility required.

COURSE LEVEL: The course is designed for majors or advanced students.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 24

MEETING TIME & PLACE: 9:00 a.m.-1:00 p.m., MTR, A-221

LEGAL ASPECTS OF THE MANAGEMENT PROCESS

608535 BUSA 535

4 semester hours

B. Burke

This course is a survey of federal and state laws and regulations that influence the manager's decision making in modern business organizations. Exploration of the legal implications, for both the manager and the domestic firm, that follow from business decisions in the areas of employee relations, consumer protection, security and exchange regulations, antitrust laws, and environmental protection will be included. The course will also introduce the complexities of the international legal environment. A workshop approach combines the use of readings, case analysis, discussions, audio visual presentations, role playing, and dialogues with guest lecturers from the legal community.

The course grade will be based upon student performances on written case analysis, an oral report, and a final exam.

BIBLIOGRAPHY: Corley and Reed, The Legal Environment of Business, 7th ed. McGraw-Hill, 1987.

REQUIREMENT FILLED: Elective course in MBA program

RESTRICTIONS OR PREREQUISITES: Eligibility card required.

COURSE LEVEL: The course is designed for majors or advanced students (MBA students).

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING PLACE & TIME: 6:00 p.m. - 10:00 p.m., MTR, A-221

PROFESSIONAL DEVELOPMENT SEMINAR

608590 BUSA 590

4 semester hours

E. Reynolds

As participants in this "Age of Information" we are all under pressure. Every minute must be made to count. Traditional time management seminars have focused on left-brain techniques for managing known tasks. These techniques are very useful, but more is required for today's world.

"The Time of Your Life: Living Fully in the Age of Information" sets the existing techniques into the whole of life. Sometimes the most effective use of time is to "waste it"!

Effective time management must be integrated with effective life/self management. Both require more than techniques. This course addresses the totality of our lives, with the focus on how we perceive and use time.

The class is divided into four major areas: Time management techniques and philosophy, stress management and the prevention of burnout, waking up

the mind for greater creativity, getting to know your brain.

Evaluation is based on participation, an individual journal, group work, and a term project.

BIBLIOGRAPHY: Charles R. Hobbs, Time Power.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$30.00 for workbook and workshop materials.

MAXIMUM ENROLLMENT: 15

MEETING TIME AND PLACE: 5:00 p.m. - 10:00 p.m., T-R and 9:00 a.m. - 12:00 noon, S; A-216

MANAGING TAXES

608592 BUSA 590B

4 semester hours

M. Gocke

This course is an overview of federal income, gift, and estate taxation from a managerial viewpoint. In addition, the initial steps for personal financial planning are integrated into the course.

The course is directed toward those MBA students who want to understand the role of taxes in managing the financial segment of lives and careers. This class emphasizes basic concepts rather than technical expertise or tax research.

Evaluation is based on class participation, a project and final exam.

BIBLIOGRAPHY: Somerfeld, Federal Taxes and Management Decisions; Kess & Weslin, Estate Planning Guide U.S. Federal Tax Handbook.

REQUIREMENT FILLED: Elective in MBA program.

RESTRICTIONS OR PREREQUISITES: BA 501 or equivalent. Eligibility card required.

COURSE LEVEL: This course is designed for majors or advanced (MBA) students.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME & PLACE: 6:00 - 10:00 p.m., MTR, A-217.

Chemistry

GENERAL CHEMISTRY

610115 CHEM 115

4 semester hours

W. Giddings, L. Huestis

This course investigates structure of matter, atomic and molecular theory, and quantitative relationships. It is designed primarily for students who want to major in biology, chemistry, engineering, geology or physics. It is also appropriate for all premedical, pre-dental, pharmacy, medical technology students and students planning to transfer to a Dental Hygiene Program. Evaluation will be determined by quizzes, examinations, and laboratory reports.

BIBLIOGRAPHY: Ebbing and Wrighton, General Chemistry, 2nd Ed.; Tobiasson, The Experience of Solving Scientific and Technical Problems

REQUIREMENT FILLED: General University Core Requirement

RESTRICTIONS OR PREREQUISITES: Math 133 or equivalent. High School chemistry or permission of instructor is required.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 40

MEETING TIME AND PLACE: 9:00 a.m.-12:00 noon daily, S-220; LAB -- 1:00-4:00 p.m. M,W, S-201

explored are: garlic and its odor, the chemistry of coffee and tea, the properties of herbs and spices, the analysis of oils and vinegars, the principles of baking, and the properties and preparation of chocolates.

Class participation will consist of group explorations of techniques in food preparation, developing methods to improve appearances and taste, and discussion of basic information. Grading will be based on the laboratory journal of work performed and a paper on a chosen topic along with an oral presentation.

BIBLIOGRAPHY: Jeff Smith, Cooking With Wine; Marion Bueglar, Culinary Chemistry Notes.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$5.00 laboratory fee for the purchase of food items

MAXIMUM ENROLLMENT: 24

MEETING TIME AND PLACE: 9:30 a.m. - 12:00 noon, M-F, S-224

OUR HUMANNESS: PHYSICAL AND RELIGIOUS

698315 CHEM/RELI 315

4 semester hours

B. Nasset, J. Petersen

(See off-campus listing)

AUSTRALIA: A LAND OF CONTRASTS

698310 CHEM/NURS 310

4 semester hours

J. Stiggelbout, S. Tonn

(See off-campus listing)

THE EGG AND I - CULINARY CHEMISTRY

610310 CHEM 310

4 semester hours

D. Swank

Have you ever wondered why an egg may crack when you boil it, how the odor of "rotten eggs" develops and how to reduce or eliminate these undesirable effects? Did you ever notice the effect of cooking on the color of green vegetables; they tend to fade and bleach out. We will spend the Interim exploring what happens to food at the chemical level when you cook it and explore the chemical make-up of food that produces the colors, odors, and other properties observed.

As a part of the class, we will conduct group experiments on food to explore the changes that can occur and develop methods to reduce or prevent changes that give the food a poor appearance or undesirable flavor.

Among the other food categories that will be

Communication Arts

THE MATTER AND SPIRIT OF LEADERSHIP

698300 COMA/EDUC/PSYC 300

4 semester hours

K.O. Mannelly

(See interdepartmental listing)

VALUING AMERICA: A VIEW FROM THE TUBE

612302 COMA 302

4 semester hours

G. Wilson

For many years researchers have had a rating system for the amount of physical violence shown on television. In this course we will review that rating system and the research related to televised violence. Our focus will be to move beyond the obvious physical violence and attempt to investigate the level and potential consequences of portrayals of sexual and psychological violence in prime time programming.

The class will spend the first week reviewing current literature on effects of exposure to violent entertainment on subsequent attitudes and behaviors. The second week will be devoted to development of the means of coding sexual and psychological violence within

the context of prime time television. The third will focus on analysis of one week of programming on all three major networks. The final week will culminate in a summary paper on the research done by the class. This final paper is intended to be submitted for consideration as a panel presentation at the annual Northwest Communication Association convention in April.

Evaluation will be based on attendance, contributions to the development of the coding system, coding of television programs, and participation in the writing of the final report. Students will be assigned required television viewing outside of the class period.

BIBLIOGRAPHY: Students will purchase compiled readings from the Communication Arts Department Office. Available after December 1.

REQUIREMENT FILLED: Interim
GRADING SYSTEM: H, P, NC
MAXIMUM ENROLLMENT: 40
MEETING TIME AND PLACE: 6:00 p.m. - 9:00 p.m., M-R, I-109

THEATRE IN PROCESS

612304 COMA 304
4 semester hours
A. Thaxter Watson

This class is a hands-on look at the inner workings of a professional, equity theatre with apprenticeships suited to individual student needs and interests.

One day of each week class meets on campus to share experiences, discuss approaches, and analyze procedures. Four days each week "class" hours are spent at Tacoma Actors Guild in any one of seven areas: costume, scenery, lighting, props, rehearsal, front office, or box office, providing help to the theatre and learning how that area of speciality is staffed, scheduled, and the methods by which the production work load is accomplished.

A diary will be kept of production work and class discussions and utilized as a research tool in preparing and writing a final paper based on applying information gained to a new production. Daily projects will vary depending on the area supervisor's needs.

Evaluation will be based on the final paper, class discussions, and the performance in a production.

BIBLIOGRAPHY: As the class is an on-hands laboratory situation, no textbook is required. Students will be asked to read the script of the play in progress within T.A.G.'s time frame.

REQUIREMENT FILLED: Interim
GRADING SYSTEM: A, B, C, D, E
MAXIMUM ENROLLMENT: 30
MEETING TIME AND PLACE: 10:00 a.m. - 12:00 noon, M, E-122; T-F, Tacoma Actors Guild

CAMPAIGN '88: CAMPAIGN COMMUNICATION STRATEGIES IN A MEDIA-DOMINATED NATION

612306 COMA 306
4 semester hours
M. Bartanen

This course is designed to acquaint students with communication tactics and strategies employed by political candidates at the national, state and local levels. Topics to be covered include the uneasy relationship of political candidates with the media; how the media influences choices of themes and strategies in campaigns; how successful candidates use the media to advance their messages; campaign advertising: The good, the bad, and the ugly; and finally, an assessment of whether the media-obsession of contemporary campaigns has enhanced or degraded the electoral process.

This course will include several activities and projects. Students will do a case study of an actual or potential national, state, or local 1988 campaign. Students will be assigned to groups to develop hypothetical media-use strategies for 1988 presidential candidates. Campaign consultants, media representatives, and other guest lecturers will be invited.

Students will be evaluated on the following basis: 25% for a written campaign case study, 25% for a group project on media strategies, 15% for class participation, and 30% for final examination.

BIBLIOGRAPHY: Martin Schram, The Great American Video Game: Presidential Politics in the Television Age; Robert Meadow, ed. New Communication Technologies in Politics; Timothy Crouse, The Boys on the Bus; Edwin Diamond & Stephen Bates, The Spot: The Rise of Political Advertising on Television.

REQUIREMENT FILLED: Interim
GRADING SYSTEM: A, B, C, D, E
MAXIMUM ENROLLMENT: 16
MEETING TIME AND PLACE: 8:00 a.m. -11:00 a.m., M-R, I-109

Computer Science

INTRODUCTION TO COMPUTER SCIENCE

614144 CSCI 144

4 semester hours

Staff

This course introduces students to computer science including algorithm design, structured programming, numerical/non-numerical applications and use of data files. The programming language Pascal will be taught as a part of the course. Pascal topics will include branching, iteration, procedures and functions, parameter passing, arrays, records, sets, and files. The course will also cover the fundamentals of number storage and binary arithmetic, computer organization, and simple machine language. Students will write 4 to 7 programs in Pascal. Periodic homework assignments and quizzes will be given. Evaluation of the student will be based on homework, quizzes, programming assignments and a final examination. Students should expect to spend at least 40 hours working on the VAX system.

BIBLIOGRAPHY: Douglas Nance, Pascal: Understanding Programming and Problem Solving.

REQUIREMENT FILLED: General University Core Requirement

RESTRICTIONS OR PREREQUISITES: Math 133 or Math 128 or equivalent. Familiarity with VAX editor recommended.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 9:00 - 11:30 a.m., M-F, G-101

COMPUTERS IN EDUCATION

614317 CSCI 317

4 semester hours

J. Beaulieu

Computers in Education is a course designed to introduce students to the issues confronting schools attempting to integrate the computer into the curriculum. The course is also designed to help students develop the computer skills necessary to use the technology effectively in an educational setting, teach students how to evaluate and integrate computer software into the curriculum, and obtain a minimal level of proficiency in computer programming with the LOGO computer language.

No prior computer experience is necessary to be successful in this course. Students with computer programming skills are also encouraged to attend.

Topics covered in the course will include history, research, types of software, software evaluation, copyright issues, computer literacy, teacher utilities, administrative computing, models of integrating computer into instruction, the Apple operating system,

the use of printers and other peripherals, and learning to use the LOGO computer language and Appleworks integrated software package.

The class will meet 5 days a week for 2 1/2 hours a day. Two days a week (5 hours) will be a lecture situation and the other 3 days (7 1/2 hours) will be direct instruction on the computer with LOGO, Appleworks, software evaluation, and teacher utilities.

Projects in the course will include: development of a software evaluation form and 10 software evaluations, four LOGO programming assignments, three Appleworks assignments, two short papers on selected issues in educational computing, and one major term paper.

Evaluation of student progress will include the above projects plus a midterm and a final exam.

BIBLIOGRAPHY: Rick Billstien and John W. Lott, Apple Logo: Programming and Problem Solving; Janice L. Flake, Edwin C. McClintock, and Sandra V. Turner, Fundamentals of Computer Education; Carole Boggs Matthews, APPLEWORKS Made Easy; James L. Thomas, Microcomputers in the Schools.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E.

MAXIMUM ENROLLMENT: 22

MEETING TIME AND PLACE: 3:30 p.m. - 6:00 p.m., G-102. Additional computer lab time to be arranged.

COMPUTER ARCHITECTURE

614385 CSCI 385/590

4 semester hours

J. Brink

This course is an introduction to the structure and operation of large computer systems. Topics include data representation, memory structure, I/O processing, and multiprocessing systems such as parallel, pipeline, and stack machines. Examples of the architecture of several large systems such as CRAY I, TI ASC, and CDC STAR are analyzed. Students will be graded on tests, homework and reviews. Students enrolled in CSCI 590 will have an additional project and/or report.

BIBLIOGRAPHY: Kai Hwang and Faye A. Briggs, Computer Architecture and Parallel Processing.

REQUIREMENT FILLED: Major or Minor in Computer Science

RESTRICTIONS OR PREREQUISITES: CSCI 380

COURSE LEVEL: This course is designed for majors or advanced students.

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: Possible computer user fees.

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 8:00 a.m. - 9:30 a.m., M-F, G-103

FORMAL LANGUAGES AND AUTOMATA

614490 CSCI 490A/590A

2 semester hours

G. Hauser

This course is an introduction to a fundamental part of the theory of computation. We will explore formal models of computation and their equivalent formal language classes. The course will specifically cover finite state machines and regular languages, push-down automata and context-free languages, and Turing machines and their languages. Computability may be covered.

Students will be evaluated on the basis of homework and exams.

BIBLIOGRAPHY: J. Hopcroft and J. Ullman, Introduction to Automata Theory, Languages and Computation.

REQUIREMENT FILLED: Major or Minor in Computer Science.

COURSE LEVEL: This course is designed for majors or advanced students.

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: Possible computer user fees

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 10:00 a.m. - 12:00 noon, M-F, G-102

Earth Sciences

LIVING AT THE LEADING EDGE: LIFE WITH NATURAL HAZARDS IN WASHINGTON

618303 ESCI 303

4 semester hours

D. Foley, B. Lowes

(See off-campus listing)

NATURAL HISTORY OF HAWAII

698307 BIOL/ESCI 307

4 semester hours

D. Hansen, S. Benham

(See off-campus listing)

Economics

PRINCIPLES OF ECONOMICS

620150 ECON 150

4 semester hours

S. Brue

What causes inflation? Why is there considerable unemployment even when the economy is "fully employed"? Can government policies reduce inflation and unemployment? Or, on the other hand, do government policies cause these problems? Is it true that banks create most of our money supply? Who gains from international trade? Who loses? Are we saddling our children with national debt? Why do wage rates differ so greatly among occupations? Why might it be in the profit interest of a monopoly or cartel to restrict its output? Do goods and services have value because land, labor, and capital are required to produce them, or are these economic resources put into use because goods and services have value? What causes changes in prices of individual goods and services?

These are a few of the many questions which will be examined in this introductory economics course. The course will present the basic principles of economics and provide an overview of the U.S. economic system. This is a regular offering of the Department of Economics; hence, the content and expectations are the same as during the normal semester. A lecture/discussion format will prevail. There will be three weekly exams and a comprehensive final exam.

BIBLIOGRAPHY: C. R. McConnell, Economics.

REQUIREMENT FILLED: General University Core Requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 40

MEETING TIME AND PLACE: 10:00 a.m. - 12:30 p.m., M-F, A-215

THE ECONOMICS OF PROFESSIONAL SPORTS

620311 ECON 311

4 semester hours

E. Ankrim

Do you think Magic Johnson and Larry Bird are overpaid? Do you know that Curt Flood, Dave McNally and Andy Messersmith may have had the greatest impact on baseball in the last 40 years, yet they'll probably never get into the Hall of Fame? Who do you think won and lost when the NFL allowed ESPN to broadcast some evening games: owners? players? fans? If you find questions about professional sports like these interesting, this class may be for you.

Big time college and professional sports are big business. Yet it has only been in the last two decades that economists have analyzed their structure and

policies the same way they had, for years, analyzed other industries. This class will use standard economic analysis to investigate the exciting world of athletics. Class time will be spent analyzing specific cases and reporting on topics of individual interest. I hope to attract at least one speaker from the professional sports to address the class. Grades will be based on a short paper, a presentation to the class and in-class participation.

BIBLIOGRAPHY: Selected articles from current periodicals will be used.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: At least Econ 150, and tally cards are required.

COURSE LEVEL: Students need not be majors, but some Economics background necessary.

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: A small fee will be charged to cover copying costs for journal, magazine, and newspaper articles.

MAXIMUM ENROLLMENT: 35

MEETING TIME AND PLACE: 10:00 a.m.-12:30 p.m., M-F, A-209

BE A MICROCOMPUTER CONSULTANT IN A CHURCH

620312 ECON 312

4 semester hours

M. Miller

Have you ever had the freedom to try your hand as a microcomputer consultant? Here is your chance! No previous computer experience or programming is necessary. This course is designed to enable you to learn to use the IBM personal computer and commercially available software packages as tools, using church offices as a laboratory setting. Since church offices do not have data processing divisions, they often need outside expertise to assist them in one or more of the following steps: defining their administrative needs, selecting their software and hardware, and implementing the system. The course will focus on a software package initially developed for Lutheran congregations, Lutheran Congregational Information System (LCIS), but now available to all churches. After learning the system, you will be available as a volunteer consultant and trainer to area churches. Some churches will request that you train them on a standard word processing package (Word) or a spreadsheet (Lotus 1-2-3) as well as LCIS. If you would enjoy working in your home congregation please contact the instructor early in the fall.

Since many church meetings occur in the evening, you should expect a few evening commitments. Class participants (emerging consultants) will be evaluated by the instructor on the basis of their familiarity with the software and by the trainees (clients) in area churches. Of course the real test will be what this experience does for your resume and first job interview.

BIBLIOGRAPHY: Van Wolverton, Running MS DOS; Peter, Rinearson, Word Processing Power with Microsoft WORD.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: Travel to area churches to be provided by students.

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-F, Computer Center Classroom (located in the basement; students may access through the library).

25

Education

THE MATTER AND SPIRIT OF LEADERSHIP

698300 COMA/EDUC/PSYC 300

4 semester hours

K.O. Mannelly

(See interdepartmental listing)

VALUING OUR NICARAGUAN NEIGHBORS

698304 SOCW/EDUC 304

4 semester hours

V. Hanson, M. Hanson

(See off-campus listing)

ACCESS TO THE AMERICAN DREAM: THE HANDICAPPED IN OUR SOCIETY

619305 EDUC 305

4 semester hours

L. Reisberg and M. Baughman

In the past fifteen years, Congress has passed several pieces of legislation designed to improve the status and opportunities of handicapped individuals. Many advocates for the handicapped have seen this movement as a civil rights issue, providing equal opportunity and access for this segment of our population. This class will examine society's responses to the handicapped, exploring the status of the handicapped in today's culture, the effects of growing up handicapped, portrayal in the media and in literature, and educational opportunities and social services. Social responses to different disabilities will be examined including the chronically ill, mentally ill, mentally retarded, learning disabled and physically and sensory handicapped. Issues such as de-institutionalization,

euthanasia, screening for birth defects, homelessness, and therapeutic abortions will be discussed.

The course will combine classroom presentations and discussion, media presentations, and community field trips. The students will visit a variety of social service agencies and interview professionals involved in providing services to handicapped citizens.

BIBLIOGRAPHY: Flynn and Nitsch, Normalization, Social Integration and Community Services; Orlansky and Heward, Voices: Interviews with Handicapped People.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 p.m., M-R, A-208

THE ELEMENTARY SCHOOL: COULD I TEACH IN ONE?

619315 EDUC 315

4 semester hours

D. Sydnor

The course is designed to provide a field experience in a local school district at the elementary level. It is intended as an initial experience for those students considering the teaching profession as a possible career. This course includes: observing in the classroom, working as a teacher-aide, and working with children in a variety of educational situations. When possible, students will be assigned to a classroom teacher in a district and grade level of their choice.

The specific purpose of the course is to provide the student with an opportunity to gain classroom experience in a variety of educational settings (i.e., grade level, type of school, socio-economic level.)

Placement in the school is the responsibility of the School of Education and therefore the student must complete an application prior to registration for the course. Application forms and the required tally cards are available in the School of Education and/or from the instructor. Applications and registration must be completed prior to December 1, 1987. The signed tally card is required for registration.

The student will observe regular teacher-working hours during Interim on a daily basis. Course evaluation will be by the cooperating teacher and the PLU supervisor. Evaluation will be in terms of regular attendance and successful completion of the specific requirements as outlined on the application proposal form.

There will be required seminar sessions held on the PLU campus during the month of January 1988. The first of these meetings will be on January 4, at 1:00 p.m. in A-117.

BIBLIOGRAPHY: Glasser, School Without Failure; Holt, How Children Fail; Goodlad, A Place Called School.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MEETING TIME AND PLACE: January 4 and 29, 1:00 p.m. - 3:30 p.m., A-117

LOOKING IN CLASSROOMS

619317 EDUC 317

4 semester hours

F. Olson

This course will provide a field experience in a local school district at the secondary level involving activities such as observing, one-to-one tutoring, working with small groups of pupils in the classroom setting and/or working as a teacher-aide. When possible, students will be assigned to a classroom teacher in the district and grade level of their choice.

The purpose of the field experience is to provide the student with an opportunity to look at and experience first-hand what teachers and pupils do in classrooms. Students contemplating teaching as a possible career choice should find this course particularly valuable as will students who are yet unsure of whether they are interested in elementary schools or in secondary schools.

Placement in a school is the responsibility of the School of Education and requires a completed application form prepared by the student. Forms are available from the instructor and must be completed and signed by the instructor before December 1, 1987, and before registration is completed. A tally card is required.

Unless specifically negotiated otherwise, the student will observe normal teacher working hours for the Interim on a daily basis. Collateral reading is required as is attendance at four seminars. Each student is expected to keep a personal journal or "log" which records and integrates his/her experiences, readings, and reflections.

Evaluation will be by the cooperating teacher and the PLU supervisor. Criteria for evaluation include regular attendance at the schools, the required seminars, participation and satisfactory completion of the personal journal.

BIBLIOGRAPHY: Goodlad, A Place Called School; Powel, Farrar, & Cohen, The Shopping Mall High School; Sizer, Ace's Compromise; Schultz, Annual Editions; and Phi Delta Kappan.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: Tally Cards Required.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 8:00 a.m. - 10:00 a.m., January 4, 11, 18 and 25, P-11

FACE TO FACE: THE VALUE OF HELPING RELATIONSHIPS

619318 EDUC 318

4 semester hours

K. Rickabaugh

Which road will you travel? The road of selfishness or the road of selflessness? No one would deny that there is a great deal of selfishness and egocentricity in the world, but it is also true that many of us are caring and would volunteer our services if we thought we could be helpful, if we felt we had the skills needed to help others. The purpose of this course is to provide the theory and experiences necessary to develop skills for effective helping and interpersonal relating.

Who needs helping skills? The answer is simple. All of us at one time or another are asked to help others with problems of living. Students contemplating business administration or one of the helping professions--e.g., medicine, the ministry, nursing, psychology (clinical), teaching (elementary), social work--will find the course particularly valuable.

Drawing from education, psychology, and theology, the course will focus on some basic beliefs about who we are and what it means to be helpful. "Knowing,"

"doing," and "feeling" behaviors which have been shown to be important to improved interpersonal relating will be discussed. We will work for the establishment of an intimate community within which members support and cooperate with one another to the degree that each feels free to experiment with behaviors not normally part of his/her interpersonal style. We will be activity oriented with opportunity to observe, practice, and refine several specific interpersonal/helping skills.

Participants will be expected to attend all training sessions and complete assigned readings. Formative exercises, peer evaluation, a personal journal, and a final written examination will be used to evaluate student progress.

BIBLIOGRAPHY: W. Backus, Telling Each Other the Truth; G. Egan, The Skilled Helper; G. Gazda, Human Relations Development; D. Hamachek, Encounters With The Self; D. Johnson, Reaching Out; J. Steward, Bridges Not Walls; C. Swindoll, Dropping Our Guard; and assorted handouts and readings.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: Tally cards and consent of instructor required.

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 24

MEETING TIME AND PLACE: 9:30 a.m. - 12:30 p.m., M-F, P-13

SCHOOL PRACTICUM: READING

619319 EDUC 319

4 semester hours

A. Mallon

This course will provide an experience in a local school district, working with a reading specialist at the elementary, middle-school, or high school level. The experience will involve such activities as diagnosis and evaluation of youngsters reading below their expected grade level, tutoring the youngsters, and observing the role of the reading specialist in the school setting.

The course may be used as an elective in the School of Education. The placement in a school is the responsibility of the School of Education and therefore requires a completed application and a signed tally card prepared by the student and negotiated with the instructor. The proposal is to include objectives, activities, experiences desired, time commitments, products or projects to be completed, and assigned tasks. These two forms are available from the School of Education and/or the instructor and must be completed and signed by the instructor prior to December 1, 1987. A tally card is required for registration.

Each student is expected to spend a minimum of 80 hours in the school under the direction of the reading specialist. In addition, the student must complete activities, outside readings, projects, and assigned tasks as outlined in the study proposal.

Evaluation will be by the cooperating teacher and the PLU supervisor. Evaluation will be in terms of regular attendance and successful completion of the study proposal. There will be a number of required seminar sessions held on the PLU campus prior to and during the month of January, 1988. The first of these meetings will be held in December, the time and place to be announced.

BIBLIOGRAPHY: Robert Tierney, John E. Readence, and Ernest K. Dishner, Reading Strategies and Practices: Guide for Improving Instruction; Patricia Cunningham, Sharon V. Arthur and James W. Cunningham, Classroom Reading Instruction, K-5: Alternative Approaches; and Roach Van Allen, Language Experience in Communication.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: EDUC 325 or equivalent. Registration required by December 1, 1987.

COURSE LEVEL: The course is designed for majors or advanced students.

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: To be announced.

CURRENT ISSUES IN EXCEPTIONALITY

619583 EDUC 583
2 or 4 semester hours
M. Mathers

This course will concentrate on the characteristics of exceptional students and the various ways in which they are educated. We will discuss the counselor's role as well as the general educator's role in dealing with a variety of learning problems and abilities. The following areas will be studied: learning disabilities, emotional problems, physical problems and the gifted student. Current periodicals will provide the background for reading and discussion. Students will be evaluated through an examination, in-class participation and other assignments. Before November 14, each student must make an appointment with the instructor to receive a copy of the course outline.

For 4 hours credit: Each student will complete the above described 2 hour requirement and, in addition, will select one of the interest topics and write a scholarly paper that is comprehensive in content.

BIBLIOGRAPHY: Current periodicals in the area of interest.

REQUIREMENT FILLED: Graduate credit for master's program in Counseling and Guidance

RESTRICTIONS OR PREREQUISITES: Tally cards required.

COURSE LEVEL: The course is designed for graduate students.

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 4:00 - 6:00 p.m., M-F, A-117

EXCEPTIONAL CHILDREN AND ADULTS

625190 SPED 190
3 semester hours
G. Williams

This course is an introduction to the characteristics of exceptional children and adults. It focuses on the needs of this population relative to their participation in our public schools. Federal and state legislation, current issues, and practices of delivering services to handicapped individuals are covered in the class. This overview is designed for undergraduate students in special and regular education. It is also seen as appropriate for nursing, counseling, and other related fields. On-campus activities include lectures, activities, and guest speakers. Off-campus activities include visits to facilities that provide services to exceptional populations; including Mary Bridge Speech and Hearing Center, Rainier School, and others. Student assignments include outside readings and participation in all classes and field trips. Students are evaluated through four tests, and grades are also based partially on completion of readings and attendance.

BIBLIOGRAPHY: Heward and Orlansky, Introduction to Exceptional Children.

REQUIREMENT FILLED: Education requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 15

MEETING TIME AND PLACE: 1:00 - 4:00 p.m., MTWR, P-16

GIFTED CHILDREN

625313 SPED 313
4 semester hours
H. Owens

This course will introduce students to the world of gifted children. How to educate these children to meet their full potential has become a challenge to parents, teachers and administrators alike.

Through this course, students will develop a sense of why being gifted is often considered a challenge. Assessment and curricula appropriate for the gifted will be explored along with new and innovative teaching techniques. Creativity, and how to recognize and nurture giftedness will also be highlighted.

A one hour practicum experience is included to provide students with the opportunity to match theoretical concepts with practical experiences in working with gifted children.

Course requirements will include reading the assigned text, 2 quizzes, and a short in-class presentation. Grading will be based on 2 quizzes, in-class assignment and evaluation of practicum experience.

BIBLIOGRAPHY: Gallagher, J.J.; Teaching the Gifted Child, Third Edition.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: Tally cards required.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 4:00 - 7:00 p.m., MTW, P-22 (also a 30-hour practicum)

STRESS IN CHILDREN AND ADULTS

625316 SPED 316
4 semester hours
K. Gerlach

While it is difficult to quantify the impact of stress on children's academic learning and adjustment, it is safe to say that, for some children, stress is a major impediment to achievement and that most children at some time are diverted by the effects of stress. This class will present an overview of stress with emphasis on children and adolescent stressors. A major focus of the course will be on developing coping skills for children that teachers and other professionals can apply in the school setting to help alleviate the stress that children

are feeling. Topics that will be discussed include Community, Individual, Family and School Stressors, Intervention Strategies, Developing Self Esteem in Children, Childhood Depression, Adolescent Suicide, Relaxation Techniques, Visual Imagery, Problem Solving Techniques, Goal Setting, and Prevention. Several speakers will discuss local resources and programs. This course will be especially beneficial to education, nursing, social work, and psychology majors. Two exams will be given, and students will complete a research paper or project and reports on assigned readings.

BIBLIOGRAPHY: Bloom, G. and Cheney, B., Stress in Childhood; K. Gerlach, Participant's Manual - Stress in Children and Adolescents.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 1:00 p.m. - 4:00 p.m., MTRF, P-13

PRACTICUM IN SPECIAL EDUCATION

625192 SPED 399

1-2 semester hours

H. Owens

This course provides a supervised experience with children and youth enrolled in special education settings. This experience may be taken locally or out of town, and placement will be made by the instructor in cooperation with local school districts. Students are to read and complete assignments and keep a daily log, and outside readings may be required depending upon assignment. Students will be graded on the basis of the log and a final paper summarizing their experiences.

Students requesting 1 hour credit must complete 35 clock hours, and those requesting 2 hours credit must complete 70 clock hours. The class satisfies the practicum requirement for the major and minor in special education. Specific assignments will be given in a special introductory meeting held the week of December 7, 1987. Enrollment is limited to students registered before this date.

BIBLIOGRAPHY: K. Gerlach, Observing Classroom Behaviors.

REQUIREMENT FILLED: Major or Minor in Special Education

RESTRICTIONS OR PREREQUISITES: Tally cards required.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 15

MEETING TIME AND PLACE: To Be Announced

English

ORIENTAL BOOKMAKING: SPIRIT IN CRAFT

630302 ENGL 302

1 semester hour

M. Benton

The Oriental arts of bookmaking--creating and decorating papers, printing images and characters, and binding the papers together--offer an ancient and lyrical beauty that can teach Westerners much about the spirit of hand-wrought materials and processes. In this studio course we will produce a series of books, each of whose name reflects the image of its structure: orihon, or folded accordion book; sempu-yo, or book of wind-blown leaves; detcho, or butterfly book; and fukuro-toji, or bag book.

We'll explore the silky strength and textures and natural colors of Oriental handmade papers (washi), carve a few simple images in wood with which we can print by hand-rubbing several papers to go into the books, decorate cover papers using the suminagashi (floating inks) technique of marbling, and finally bind together selected papers using the variety of methods described above. Each student will come away with a small library of distinctly personal books that reflect the particular beauty of shaping something entirely with one's own hands.

Students will be evaluated on the basis of regular, attentive attendance, completion of four books, and a journal.

BIBLIOGRAPHY: Sukey Hughes, Washi: The World of Japanese Papers. Kojiro Ikagami, Japanese Bookbinding.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$10 for handmade papers, sumi inks, silk threads, and other supplies.

MAXIMUM ENROLLMENT: 12

MEETING TIME AND PLACE: 6:00 p.m. - 9:00 p.m., W, Elliott Press

THE POET AS CHRISTIAN: HERBERT, HOPKINS, ELIOT

630304 ENGL 304

4 semester hours

P. Benton

We will study the poetry of George Herbert (a 17th-century Anglican parson), of Gerard Manley Hopkins (a 19th-century Jesuit), and of T. S. Eliot (a 20th-century anglican convert), seeking to understand how each used poetry to deal with doubt, to explore the concrete "feel" of abstract doctrine, and to celebrate the presence of God in the world.

The heart of the course will be a concentrated study of radically different kinds of poetry by three of the great poets of the English language. We will also consider how writing poems has served as a "spiritual exercise" in very different cultural environments. And on the more personal side, students may discover how reading poetry may serve them in their own meditations, Christian or not.

Each student will complete a portfolio of reading notes and short essays. Occasional quizzes will gauge the quality of daily preparation. Evaluation will be based on the portfolio, the quizzes, and attendance (80% minimum).

Neither prior experience with poetry nor Christian belief is a prerequisite, but students should be willing to take both seriously.

BIBLIOGRAPHY: George Herbert, The English Poems; Gerard Manley Hopkins, Poems and Prose; T. S. Eliot, "Ash Wednesday," The Four Quartets.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 1:00 - 4:00 p.m., M-F, A-208

BEFORE XEROX

630306 ENGL 306

4 semester hours

S.L. Jansen Jaech

GQ. People. Sports Illustrated. Elements of Biology. The Norton Anthology of Literature. Moby Dick. Dream Girl. We are surrounded by magazines, newspapers, textbooks, and paperback novels--more pages than we can ever read, more words than we even want to read.

But what were books like before desktop publishing, word processors, typewriters, and printing presses? What were books like before paper? Before Bic rolling writers, felt markers, ink pens, even pencils? How were books made? What were they made of? What did people write on and with? When students took class notes, how and where did they take them? And if they wanted to buy a textbook, could they? How much would a book cost?

There is perhaps no better way to value the mind, matter, and spirit of the medieval world than by looking at its books. Like soaring cathedrals, medieval books were the products of a complex blend of the visual arts, the latest technology, and the dedication to God. They are filled with glowing colors, intricate designs, and curious scripts.

During this Interim course, we will look at how medieval books were made, what they were made of, and who made them. We will see what parchment looks like and learn what it feels like, we'll experiment with constructing our own books, we'll try our hands at fancy pen work and decorated letters (don't worry-- I can't draw or paint either), and we'll try to come to some sense of what it meant to create or own one of these incredible works of art.

Classes will include lectures, videotapes, slides, demonstrations, and a few of our own "bookmaking" experiments. Evaluation will be based on each student's individual research into and appreciation of one of the best examples of medieval book art as well as on classroom participation.

BIBLIOGRAPHY: David Diringer, The Book Before Printing.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: \$10.00 course fee includes paper, pens, ink, paints.

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 9:00 a.m. - 11:30 a.m., M-F, A-206

DREAMS - AT HOLDEN VILLAGE

630308 ENGL 308

4 semester hours

D. Seal

(See off-campus listing)

"O STRANGE NEW WORLD": AMERICAN LIVES, AMERICAN LETTERS

630309 ENGL 309

4 semester hours

R. Jenseth

The readings in this course will develop around several important premises about American culture and identity: the New World has always been as much an idea as a geographical place, which means that people came into it seeking various political, economic, social and spiritual ends. To put it another way, America was not so much discovered as it was created or invented by those seeking fortune, power, spiritual or political truths, personal identity. What all this means is that we citizens of the New World find clues to our own peculiarly American identity in the stories of these explorers and discoverers, and not simply in isolated

historical events or abstract political doctrines.

Thus, our readings, which are primarily autobiographical and 'non-literary,' present a variety of these New World stories--from earlier centuries and our own: the misadventures of that Old World entrepreneur, C. Columbus, who literally stumbled into his New World adventures; the terrifying and comical wanderings of a shipwrecked Spanish explorer who spends eight years walking across half of the New World; a 19th century teenage sailor who jumps ship on what he takes to be a southseas paradise, only to find paradise is always more than it first appears; the reflections of a 20th century black American who seeks himself on the mean streets of Harlem and Detroit.

Our primary focus will be the required texts, with particular attention to their political and social context, but we will also engage broader questions about the nature of culture and 'cultural identity', about the powers of myth making, both personal and cultural, and about the nature of language--writing in particular--as a world making, self-creating act.

In addition to the required readings and daily discussion, there will be weekly in-class writings about the reading, a final exam, several 'informal' writings done in response to questions which develop from discussions, and one essay, 3-5 pages long.

BIBLIOGRAPHY: Letters of C. Columbus; Cabeza de Vaca, Adventures in the Unknown Interior of America; Melville, Typee; Malcolm X, (Alex Haley), The Autobiography of Malcolm X.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 1:00 - 4:00 p.m., M-R, R-205

TOLKIEN'S WORLD

630310 ENGL 310

4 semester hours

S. Rahn

Bilbo Baggins was fifty when he set off over the mountains and through the dark forests of Middle-earth on a quest for dragon gold. This year the story of Bilbo's adventures is also fifty, and the author of The Hobbit and The Lord of the Rings is known more than ever to be the master of modern fantasy.

An intensive study of the work of J.R.R. Tolkien, this course will give special attention to Tolkien's concept of fantasy, to the techniques used by him to create an imaginary world, and to the ethical, spiritual, and political aspects of his thought. Other discussions will consider how the inspiration of great medieval literature, the pressure of contemporary events, and Tolkien's own personal history became elements of his Middle-earth. Tolkien's sudden rise to popularity in the late 1960s and his continuing influence on other

writers of fantasy will add further perspectives for analysis.

Those interested in enrolling for this course should be aware that while no special background is required, the amount of reading will be considerable--an estimated 1800 pages! It will include not only The Hobbit and the complete Lord of the Rings but several Anglo-Saxon poems, the medieval romance of Sir Orfeo, and Tolkien's own letters and scholarly essays. Students will be regularly tested on the reading and on lecture material, and will be expected to participate actively in class discussions. Final grades will be based on a combination of test scores and contribution to the class.

BIBLIOGRAPHY: J.R.R. Tolkien, The Hobbit, The Lord of the Rings, The Tolkien Reader, Letters of J.R.R. Tolkien, Beowulf, The Battle of Maldon, Sir Orfeo.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: Xerox fee for class materials.

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 10:30 a.m. - 1:30 p.m., MTRF, A-210

History

HOLOCAUST: THE DESTRUCTION OF THE EUROPEAN JEWS

632303 HIST 303

4 semester hours

C. Browning

This course will investigate the following themes: the development of modern anti-semitism, its relationship to fascism, the rise of Hitler, the structure of the German dictatorship, the evolution of Nazi Jewish policy, the mechanics of the Final Solution, the nature of the perpetrators, the experience and response of the victims, the reaction of the outside world, and the post-war attempt to deal with an unparalleled crime through traditional judicial procedures.

The format of the course will be a mixture of lecture, discussion, and films. Students will be evaluated on the basis of their completion of two of the following assignments; 1) analytical review of Claude Landsmann's Shoah; 2) 5-8 page research paper; 3) analytical book reviews of a pair of selected books to be named later; 4) final exam.

BIBLIOGRAPHY: Raul Hilberg, Destruction of the European Jews; Gitta Sereny, Into That Darkness; Filip Mueller, Eyewitness Auschwitz, Janina David, A Square of Sky; A Patch of Earth.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 10:00 a.m. - 12:00 noon, M-F, I-100

SOCIAL HISTORY OF SPORTS IN AMERICA

632304 HIST 304

4 semester hours

W. Offutt

Sports are a major element in modern American lifestyles, ranging from multibillion dollar business decisions to the tennis elbow of the weekend warrior. How sports has achieved such a role has been ignored by serious historical scholarship until recently. Changes in both participation in and analysis of sporting activity and its meaning have led to an explosion of serious work on the political, economic, social and cultural aspects of athletic endeavor, making sports history a field growing in scholarly importance and acceptance. This course will use this growing body of literature as well as vast primary resources on the subject to explore the growing and changing social meaning of sport in America.

Program topics will include: gambling from colonial times to present; the 19th Century change from a rural to an urban conception of leisure time activities; the political uses of sports, especially the Olympics; sex and race in sports, including discrimination in baseball and Title IX; sport law, especially antitrust; sport business, from franchise ownership to big-time college athletics to shoes; sport literature--the changing nature of sports writing in newspapers, short stories, and novels; and popular attitudes toward sports "heroes." These topics will be explored through a combination of lecture, required readings (books, articles, sources), student reports, classroom discussion, and guest speakers. No full class off-campus activities are contemplated, although students will likely pursue research interests off-campus.

In addition to substantive knowledge about the topic, students will be expected to develop primary research skills in the preparation of a research paper that explores the roots of a modern problem in American sports, its social meaning, and likely development. The methods of taking oral history testimonies and how to evaluate their credibility will be stressed as these program topics lend themselves to interviewing athletes, businessmen, administrators, and sports writers in the Pacific Northwest. Evaluation of students' work will be based on classroom debate, research topic presentation, and written performance.

BIBLIOGRAPHY: Harry Edwards, Revolt of the Black Athlete; Donald Mrozek, Sport and American Mentality 1880-1910; Donald Spivey, ed., Sport in America, New Historical Perspectives; Jules Tygiel, Baseball's Greatest Experiment: Jackie Robinson and His Legacy.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 35

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-R, R-202

ENGLAND: TUTORS AND STUARTS

632332 HIST 332

4 semester hours

P. Nordquist

History 332 deals with English history in the 16th and 17th centuries. It is a rich and provocative period, one that deserves careful study. Among the topics we will consider are the following: the rise of the Tudors, the English Reformation, Thomas More, the emergence of Anglicanism, Thomas Cranmer and the Book of Common Prayer, "Bloody" Mary, Elizabeth of Good Memory, the emergence of Parliament, Elizabethan intellectual life, the Stuarts, opposition to the Stuarts, common law, "The Beauty of Holiness," the Civil War and Revolution, John Locke, Thomas Hobbes, Isaac Newton, the Glorious Revolution, and William and Mary. There will be two examinations, two short papers (one on Henry VIII, one on the 'causes' of the English Revolution.) Class time will be divided between lecturing and discussion.

BIBLIOGRAPHY: S.T. Bindof, Tudor England; J.P. Kenyon, Stuart England; J.J. Scarisbrick, Henry VIII; Garret Mattingly, The Armada; Lawrence Stone, The Causes of the English Revolution.

REQUIREMENT FILLED: General University Core Requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 1:00 p.m. - 3:00 p.m., M-F, X-112

Integrated Studies

IMAGING THE SELF AT FINDHORN IN SCOTLAND

634233 INTG 233

4 semester hours

G. Youtz, L. Gold

(See off-campus listing)

Languages

**PLEASE NOTE THAT GERMAN 422 FILLS A LITERATURE REQUIREMENT

THE SILENT WORLD: AN EXPERIENCE IN DEAF AWARENESS

653302 SIGN 302

4 semester hours

J. DeSherlia

This course is designed to introduce students, particularly prospective teachers, social workers, and nurses, to the world of the hearing-impaired. Attention will be given to the particular needs and problems of deaf people.

The various methods of sign language used by deaf people in North America will be studied, and students will be taught to develop both expressive and receptive skills to a mastery of the structures and concepts of sign language that are relevant to the student's chosen professions.

Classroom procedures will include demonstration, lectures by the instructor, drills, recitals, tests, and classroom discussions.

BIBLIOGRAPHY: Beryl Lief Benderly, Dancing Without Music; Humphries, Padden, O'Rourke, A Basic Course In American Sign Language.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 2:00 p.m.- 5:00 p.m., M-F, A-204A

INTENSIVE ENGLISH FOR INTERNATIONAL STUDENTS

637303 LANG 303

4 semester hours

R. Swenson

Students who come to Pacific Lutheran University from abroad are invited to participate in an intensive, in-depth language experience. We will meet five hours per day, and during that time we will concentrate on developing spoken fluency, expanding vocabulary and improving pronunciation. The primary aim of the course is to assist students in cultivating and nurturing their English at a level so that it will be comfortable to function in the university milieu with ease, grace and good taste.

An additional aspect of the Interim experience will be to familiarize students with as many aspects as possible of contemporary American life and culture, which naturally includes the appropriate vocabulary.

Students will be able to offer suggestions for topics that they would like to have included.

A format of this type is ideal in the language learning setting, for the concentrated framework of the Interim precludes students' taking other course work, and since there are no other requirements of other classes, it will be possible to focus exclusively on English.

BIBLIOGRAPHY: Keen, Dennis; Developing Vocabulary Skills.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 p.m.; 1:00 a.m. - 3:00 p.m., M-F, A-223

THE CHINESE IMAGINATION: RITUAL, FESTIVAL & MEANING

639308 CHIN 308

4 semester hours

T. Chang

In early Chinese society, people believed that there were many spirits and supernatural powers in the universe, spirits on earth such as spirits of mountains and rivers and deities in heaven such as the sun and the moon, who controlled all natural phenomena. In addition, ancestors and cultural heroes were also considered to be endowed with supernatural powers and to have an important role in the world of living; and it was believed that the deceased were the ones who controlled fortune and misfortune in the human world. Whether the result of the will of the deities and spirits, or due to man's proper or improper attitude or actions, fortune or misfortune were considered as blessings or



punishments sent by them. Thus, the Chinese people personified all the spirits and deities and had a strong belief that humans were controlled by these supernatural beings and had to submit to them. Through various rituals and festivals, the people showed their desire to communicate with certain deities or the deceased. For example, the dancing ritual and the wine libation ritual were performed in order to exorcise the evil influence and to obtain the blessings of the deities and spirits. Besides various rituals, the most important festivities of the whole year were those held at the New Year. The New Year celebration is manifested primarily through sacrifices to the ancestors and household gods. The New Year was also a time of feasting, merriment, and relaxation.

This course will offer a survey of traditional Chinese rituals and festivities through the use of literature, art and archeological materials; in addition to readings there will be slides and films. Evaluation will be based on two exams and participation in class activities.

BIBLIOGRAPHY: Marie-Luise Latsch, Chinese Traditional Festivals; Wolfran Eberhard, Chinese Festivals.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$20.00 for films, materials and Chinese New Year's banquet.

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 1:00 p.m. - 4:00 p.m., M-F, A-219

BEGINNING SPANISH: LANGUAGE AND CULTURE

654313 SPAN 313

4 semester hours

L. Sand Faye

This course will be primarily an intensive language-learning experience directed toward a goal of limited, accurate self-expression in Spanish, the language of Spain, the major portion of Latin America, and of an ever-increasing minority of several million inhabitants of the United States. As implied in the title, no previous knowledge of Spanish is expected, and the course will begin with the basics of pronunciation and conversation. The language component will be intensive and will include material roughly equivalent to two months at normal pace. The student will be expected to listen to laboratory tapes and do oral and written assignments outside of class time.

There will also be a cultural component, consisting of readings, films, speakers and projects of both historical and contemporary nature dealing with the civilization and culture of the Hispanic world. Included will be a mini-introduction to Spanish literature and its potential for conveying important ethnic values. Regional dishes will be considered, prepared and sampled by students.

Evaluation will be based on the following: daily attendance and participation in class, oral and written tests and a final examination. As part of the cultural component, each student will be expected to develop and present a project or topic of study in keeping with his or her particular interests, whether literary, cultural or linguistic. Highly motivated students will be able to complete enough language-learning to enable them to continue through a second semester of Spanish in the spring.

BIBLIOGRAPHY: Ozeto, Oscar & Sergio Guillen, CONTIGO, Essentials of Spanish and Workbook; J. Michener, Iberia, Time/Life Series, Latin American Cooking or Time Life Series, Cooking of Spain & Portugal; Suggested supplemental texts: Jarvis & L. bredo, Medical Personnel Workbook, Business & Economics Workbook, Social Services Workbook.

REQUIREMENT FILLED: Interim

COURSE LEVEL: This course is designed for all students who have had little or no Spanish.

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$10.00 film and food fee

MAXIMUM ENROLLMENT: 30 students

MEETING TIME AND PLACE: 12:30 p.m. - 4:00 p.m., M-F, A-216

SCANDINAVIAN WELFARE STATES

652315 SCAN 315

4 semester hours

A. Toven

In 1937 Marquis Childs recommended the Scandinavian "Middle Way" as a workable and moderate alternative to Bolshevism and to un-regulated capitalism. Ever since that time the Nordic countries -- and particularly Sweden -- have been considered archetypes of modern welfare states. The Scandinavians have turned their small countries -- all rather poor in natural resources -- into what they now call "folkhem" (people's homes) by applying socialist ideals of equality, solidarity, and justice for all. The government takes responsibility for the security and well-being of all citizens from cradle to grave.

Although the Nordic countries have done very well and today are considered to be among the top nations in the world in terms of standard of living and quality of life, they have not avoided all problems. Critics point out that the socialist form of government found in Scandinavia puts too many restraints on people, kills their initiative, and in general leaves many people unhappy. Scandinavia has also been portrayed as allowing sexual promiscuity and as having a high suicide rate. A recent article on the Nordic welfare states argues that "Sweden finds that traditional family values are eroding and collapsing as the government expands entitlements and takes over functions once expected of the family".

This course will trace the development of the welfare state and will attempt to separate facts from fiction as far as the Nordic countries are concerned. The findings may support the prevailing view that the Nordic countries are models of prosperity and good life or may indicate that "something is rotten" in the Scandinavian states.

Students will be evaluated on the basis of class participation, a mid-term examination, and oral reports to the class.

BIBLIOGRAPHY: Furniss & Tilton, The Case for the Welfare State; Gunnar Heckscher, The Welfare State and Beyond.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 12:00 noon - 2:30 p.m., M-F, A-206

FROM THE KAISER TO THE FUEHRER

642422 GERM 422

4 semester hours

P. Webster

From 1890 to 1945 the spectacle of German politics fascinated and troubled observers throughout Europe. They saw the blustering, bungling style of Kaiser Wilhelm II, the abortive and chaotic experiment with democracy during the Weimar Republic, and experienced the far more competent and ruthless dictatorship of the Third Reich. They watched as German politics brought unrest and, finally, disaster to its neighbors and itself.

During this time, German writers also attracted considerable attention outside the German-speaking world. Three won Nobel prizes for literature. Franz Kafka became famous as the founder of a new modern style, the poet Rilke became an international cult-figure, and Thomas Mann's novel The Magic Mountain became a best-seller in the United States. Why did the international public by and large ignore German writers who criticized political development in Germany and read instead those more removed from the public affairs of the day?

We will look for answers to this and other questions as we read works by German writers of the time. We will study them as literature and as symptoms of the gap between the German intelligentsia and their contemporary politics.

All readings are in English; students need no knowledge of German. We will meet daily for lectures and discussions of the reading. Students will write a review of one of the works and write a final examination. This course will meet the General University Requirement in literature.

BIBLIOGRAPHY: Fontane, Effi Briest; Hauptmann, The Weavers; T. Mann, selected novellas; H. Mann, A

Servant of His Majesty; F. Kafka, selected stories and parables; Brecht, selected plays; Remarque, All Quiet on the Western Front.

REQUIREMENT FILLED: General University Core Requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 1:00 p.m. - 3:00 p.m., M-F, A-212

PLEASE NOTE THAT GERM 422 FILLS A LITERATURE REQUIREMENT

35

Mathematics

FINANCIAL MATHEMATICS

636311 MATH 311

4 semester hours

J. Herzog, M. Herzog

The mathematics of finance is both relevant to the real world and very interesting. Most everyone will purchase a home, buy life insurance and participate in a retirement fund. Many will seek a second income by placing savings into bonds, stocks or other investments. A knowledge of the mathematics of finance is essential to understand the implication of these transactions.

Topics will include simple interest, ordinary interest, present value, future value, bank discount notes, bills, commercial paper, compound interest, sinking funds, insurance and life annuities. At the end of the course the student will be able to compute his/her monthly house payment, find the actual interest rate of a loan from the Easy Credit Loan Company, and calculate the present value of winning a \$1,000,000 Lotto Jackpot.

Two exams and two quizzes will test the student's ability to interpret a financial problem and make the necessary calculations. Daily assignments will be made and graded.

In addition to the textbook, students will be required to have access to a business analyst calculator (cost about \$25).

BIBLIOGRAPHY: Cissell, et al., Mathematics of Finance.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 9:00 a.m.- 11:30 a.m., M-F, S-109

HISTORY OF SCIENCE

636317 MATH 317

4 semester hours

K. Batker

This course is an adventure story of concept and practice, of world view and understanding, of theory and control of our physical environment. We will begin with ancient Greece's development of mathematics, cosmology, engineering, and medicine; continue through the Muslim preservation of Greek heritage; and proceed to the incredible scientific revolution of the 16th and 17th centuries. Next we will address the rise of national scientific traditions in the 18th century, and the use of science as an agent of both intellectual and industrial change in the 19th century. A look at some new fields and current philosophies of science in the 20th century will conclude the course.

The areas of astronomy, biology, medicine, physics, geology, chemistry, mathematics and technology will be studied and viewed in relation to each other as they developed across time.

There will be a mid-term and a final examination, and each student will write a paper on a topic in the history of science, to be arranged with the instructor.

BIBLIOGRAPHY: Herbert Butterfield, The Origins of Modern Science; John C. Greene, The Death of Adam; Hugh Kearney, Science and Change 1500-1700; Stephen F. Mason, A History of the Sciences.

REQUIREMENT FILLED: Interim

RESTRICTIONS OF PREREQUISITES: Interest in history of science.

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 9:00 a.m. - 11:30 a.m., M-F, M-112

This course will explore this history, simultaneously looking at the evolution of musical instruments and acoustical space culminating in the technology and architecture of today. Walking tours of campus will explore a variety of acoustical spaces. One quarter of the lecture periods and the Saturday laboratory sessions will deal with studio recording techniques and technology including hands-on experience with microphones, mixing, and tape recording.

Evaluation will be based on a mid-term examination, a final examination, and a recording/mixing project.

BIBLIOGRAPHY: Diagram Group, Musical Instruments of the World; Runstein/Huber, Modern Recording Techniques.

REQUIREMENT FILLED: General University Core Requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 36

MEETING TIME AND PLACE: 1:00 p.m. - 3:00 p.m., M-F, E-228; Saturdays 9:00 a.m. - 12:00 noon, E-228

LONDON: A CULTURAL TOUR

656300 MUSI 300

4 semester hours

C. Knapp

(See off-campus listing)

FOR THE LOVE OF MUSIC: A LITTLE KNOWLEDGE IS A JOY FOREVER

656304 MUSI 304

4 semester hours

Staff

This course is designed to enhance the listener's understanding and appreciation of music. For those interested in learning the various ways one can listen to music this "easy listening" approach is for you.

Everyone is welcome to come and discover the wonderful sounds of melody, harmony and rhythm in an open, spontaneous atmosphere. We will explore music from many perspectives: its structure, composers, performers, historical view and the contemporary musician. Additional insight will be offered through the use of videos, recordings and the appearance of guest speakers and performing artists.

Evaluation will be based on class participation and attendance, a short paper, and a final examination.

BIBLIOGRAPHY: Jean Ferris, Music: The Art of Listening.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 9:00 a.m. - 12:15 p.m., M-R, E-228

Music

MUSIC AND TECHNOLOGY

656104 MUSI 104

4 semester hours

D. Robbins, R. Holden

Contemporary music is clearly tied to today's technology -- compact disk recordings, MTV, rock concerts using lasers and huge sound systems, synthesizers, computer-generated art music, computer-assisted music notation, and studio recording techniques. While the technology of today may seem revolutionary, the impact of technology on the musical arts has a long and fascinating history. The evolution of musical instruments and the creation and control of acoustical space from the time of ancient Greece through today provide a rich chronology of technological influence capped by recent developments in electronics.

BEGINNING BAND

656305 MUSI 305

4 semester hours

L. Parce

This is a beginning class with instruction on any of the following instruments: flute, clarinet, saxophone, trumpet, French Horn, trombone, baritone and tuba. Absolutely no experience or prior musical training is necessary. The University does have a limited number of instruments available; however, it would be best if students would find an instrument to use from friends, family or perhaps rental from a music store. The instructor will welcome any questions before Interim (Call the Music office x 7601). It is important to have all instruments in working order, so the first class meeting can be used to start "playing". The only expense will be a class method book, reeds and/or oil. Students will be evaluated on the basis of their progress toward learning to play a musical instrument.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 3:30 p.m. - 5:30 p.m.,
MWR, E-228



THE ARTIST IN SOCIETY: BEETHOVEN

656306 MUSI 306

4 semester hours

D. Hoffman

Perhaps the key figure in music in the early 19th century, Beethoven also became the role model for the emerging Romantic artist in many areas of art and literature. Described as "standing like a colossus" astride the 18th and 19th centuries, Beethoven, by the force of his will and imagination, and aided by fundamental changes in the society around him, revolutionized what it meant to be an artist. As the first composer to create against the flow of contemporary society and to be fully aware of his obligation to posterity, his life is still the best model for the alienation of the artist. He was also perhaps the first great artist for whom artistic creation was not simply a matter of skill and craftsmanship, but also a spiritual striving almost on a par with religion.

We will begin by trying to immerse ourselves in early 19th century Vienna, studying its history, politics, and culture. We will experience the spirit of Beethoven through his own writings, through anecdotal material written by his acquaintances, and most importantly through his music. Lastly, we will examine the impact of Beethoven's ideas on later 19th and 20th century artists and try to understand why so many people in the last 150 years, musicians and non-musicians alike, have been so profoundly affected by the man and his music.

The course will involve a great deal of music listening, both inside and outside of class, but previous musical experience and the ability to read music will not necessarily be an advantage and are not required.

Evaluation will be based on class attendance, participation and a final paper.

BIBLIOGRAPHY: Kerst and Krehbiel, Beethoven: The Man and the Artist As Revealed In His Own Words; Sonneck, ed., Beethoven, Impression By His Contemporaries; Hanson, Musical Life In Biedermayer Vienna; Listening materials supplied by the instructor.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 p.m.,
M-R, H-101

SING IT RIGHT: FROM THE SHOWER TO THE MET

656315 MUSI 315
4 semester hours
M. Frohnmayr

This course is designed for the vocal beginner in a classroom setting. The students will be made aware of the structure of the human voice, and the basic element of producing good vocal sound. They will learn to sing through class participation.

Videotapes of the human voice, as well as excursions to musical performances will be used to further enhance the student's knowledge of the vocal instrument.

Class participation, a paper on a related subject and a song presentation will constitute the final grade.

BIBLIOGRAPHY: Van Christy, Foundations of Singing.
REQUIREMENT FILLED: Interim
GRADING SYSTEM: H, P, NC
MAXIMUM ENROLLMENT: 12
MEETING TIME AND PLACE: 2:00 p.m. - 5:00 p.m., M-F, H-101

KING OF INSTRUMENTS: THE WONDER AND MAGIC OF THE PIPE ORGAN

656317 MUSI 317
4 semester hours
D. Dahl

As a course, "The King of Instruments" offers a uniquely concentrated opportunity to learn about the pipe organ throughout its 200 year long history, including its mechanical nature and construction, its musical repertoire, its visual/architectural design, and its various functions (both sacred and secular) in the church, concert hall and theater.

The learning experience will be developed by means of the following encounters: 1) lecture/demonstrations in class, including slides and recordings; 2) visits to pipe organs of interest in the Tacoma/Seattle region as well as on campus; 3) visits to two different organ building shops; 4) attendance at an organ recital planned for the class, and 5) a visit to a pizza parlor with a theater pipe organ.

Course work will include selected readings, listening assignments, field trips, and personal projects selected in consultation with the instructor.

Evaluation will be made via short written essays or outlines, weekly quizzes, personal projects, regular attendance, and an oral final exam.

This course is open to all students regardless of prior musical background, and presumes only a healthy curiosity in the art of organ building and organ music.

BIBLIOGRAPHY: Sonnaillon, Bernard; King of Instruments, A History of the Organ; Sumner, William

Leslie, The Organ; Williams, Peter, The Organ from 1480 to 1830; Blanton, William, The Organ in Church Design.

REQUIREMENT FILLED: Interim
GRADING SYSTEM: A, B, C, D, E
MAXIMUM ENROLLMENT: 35
MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon and 1:00 - 3:30 p.m., TR, E-122; 9:00 a.m. - 4:00 p.m., W for field trips

SONGS OF NORWAY

656318 MUSI 318
4 semester hours
B. Poulshock

Making use of an eclectic approach to gain an understanding and an appreciation of the base and background of the songs of Scandinavia, the course will include historical, cultural, linguistic, culinary, and musical aspects of Scandinavian life.

Professor Toven of the language department will lecture and lead discussion in the areas of Scandinavian history and culture. Professor Rasmussen of the language department will lecture and lead discussion in the area of language. Other departments will also be represented. Professor Poulshock will, through lecture, listening activities, and guest and student singing, present the songs and composers of Scandinavia.

Evaluation of the student is based on class participation, testing, and a final paper.

BIBLIOGRAPHY: Thomas Derry, A History of Scandinavia; Edvard Grieg, Romancer og Sange; Dennis Stevens, A History of Song; Valborg Hovend Stub, ed., Songs from the North: Norway, Sweden, Denmark; John H. Yoell, The Nordic Sound.

REQUIREMENT FILLED: Interim
GRADING SYSTEM: A, B, C, D, E
MAXIMUM ENROLLMENT: 50
MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-F, E-227

INTENSIVE STUDY AND PERFORMANCE OF CHORAL MUSIC

656319 MUSI 319
4 semester hours
P. Mattson

(See off-campus listing)

Nursing

COPERS, MOPERS, EXAGGERATORS AND MALINGERERS: CONCEPTS RELATED TO PAIN

664308 NURS 308

2 semester hours

J. Fanslow

This course will provide an overview of pain, its purpose, cause, types and effects. Attitudes, values, and situational factors influencing pain will be related to the pain experience. Medication and non-medication management of pain will be discussed and related to acute and chronic pain situations.

Topics to be covered include an overview of pain, acute vs. chronic pain, attitudes and values related to pain, personality and pain, communication of pain, situational factors affecting pain, physical and psychological effects of pain, medication/non-medication management, and ethical issues.

Evaluation will be based on a research paper on a traditional or non-traditional method of pain management, and an oral presentation or an ethical issue related to pain. Students are expected to do all required reading and to participate in class discussions.

BIBLIOGRAPHY: Margo McCaffery and Noreen Meinhart, Pain: A Nursing Approach to Assessment and Analysis; Pain: Nursing NOW Series.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 1:00 p.m. - 4:00 p.m., TR, R-202

AUSTRALIA: A LAND OF CONTRASTS

698310 CHEM/NURS 310

4 semester hours

J. Stiggelbout, S. Tonn

(See off-campus listing)

THE CANCER PATIENT: IMPACT ON MIND, MATTER AND SPIRIT

664311 NURS 311

2 semester hours

C. Kirkpatrick

The purpose of this course is to give the student a comprehensive introduction to the process of carcinogenesis and environmental and personal determinants of the disease as well as a clear understanding of current treatment approaches and issues related to the cancer patient.

We will cover issues in management and delivery of services, the cancer process and epidemiology,

treatment, and effects of the disease on an individual. Students will be asked to select a specific cancer and develop the major content areas of the course in reference to this cancer form. Learning will occur through lecture, discussion, student reports, and off-campus activities with oncology service providers. Evaluation will be based on general participation, the student's project and presentation of the project to the class.

Students from any discipline are welcome. Students may develop their projects with an emphasis to complement their particular interests.

BIBLIOGRAPHY: Kirkpatrick, Connie, Nurses' Guide to Cancer Care; Individually -- compiled bibliography on specific interest area.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 4:30 p.m. - 6:30 p.m., MWF, R-202

PERIOPERATIVE NURSING

664312 NURS 312

4 semester hours

F. Gough

The nursing care required for patients undergoing surgical intervention will be the focus of this patient-centered study. The course should help the student to develop knowledge of aseptic technique and goals of surgical care as an understanding of his/her role as a member of the operating room health team. Opportunity to apply aseptic technique will be given.

Students will spend three hours in class prior to their clinical experiences. They will be scheduled eight hours per week-day in the operating room with selected experiences in "scrubbing" and "circulating", in post-anesthesia recover area, and in out-patient ambulatory surgery.

Students will be evaluated by written work and clinical performance.

BIBLIOGRAPHY: Joanna Ruth Fuller, Surgical Technology: Principles and Practices.

REQUIREMENT FILLED: Interim

RESTRICTIONS OR PREREQUISITES: This course is designed for majors or advanced students.

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: Transportation, meals, text.

MAXIMUM ENROLLMENT: 10

MEETING TIME AND PLACE: Students will spend eight hours during week days in the clinical facility, rotating through selected assignments. With the exception of 2-3 days of late afternoon assignments, students will be scheduled from 7:00 a.m. - 3:00 p.m.

VALUING THE BODY - AN INTRODUCTION TO BASIC MASSAGE

664317 NURS 317

1 semester hour

M. Carpenter

We are shifting from a focus of mind over matter to valuing matter (soma, body) as an expression of mind and spirit.

Ashley Montague in his classic work on Touch has said "Awareness of self is largely a matter of tactile experience." "The raw sensation of touch as a stimulus is vitally necessary for physical survival of the organism."

The focus of this course is the promotion of physical well-being through touch. Participants will have an experiential foundation in massage. Topics include history, purpose, effects, principles, procedures, attitudes, results of research, techniques and use of effleurage, petrissage, friction, tapotement, vibration, application to the back, chest, abdomen, extremities.

Attendance and participation at EVERY class is required.

Students will bring to each class session two clean sheets and a massage oil of their choice.

BIBLIOGRAPHY: Ashley Montagu, Touching - The Human Significance of Skin; Frances Tappen, Healing Massage Techniques.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 16

MEETING TIME AND PLACE: 5:00 p.m. - 6:30 p.m., MTW, R-317

THE HEART OF THE MATTER: ECG INTERPRETATION AND HEMODYNAMIC MONITORING

664318 NURS 318

2 semester hours

A. Hirsch

This course focuses on selected critical care nursing skills, 12 lead ECG interpretation, and hemodynamic monitoring. ECG findings and hemodynamic pressure readings will be related to the underlying pathophysiology and symptoms. Nursing interventions to prevent, detect or respond to selected dysrhythmias will be discussed.

After completing the course the student will be able to relate the properties of cardiac cells to the ECG tracing; identify twenty dysrhythmias and their clinical implications; identify appropriate nursing interventions for selected dysrhythmias; describe the purposes and normal wave forms of a pulmonary artery catheter; state the underlying pathophysiology for abnormal hemodynamic pressure readings.

Topics will include: basic principles of ECG; mechanisms of cardiac dysrhythmias; sinus dysrhythmias; atrial dysrhythmias; ventricular

dysrhythmias; strategies for analyzing dysrhythmias; and hemodynamic monitoring.

Students will be evaluated on their interpretation of ECG practice strips, a multiple choice exam, and an ECG strip exam.

BIBLIOGRAPHY: Dale Dubin, Rapid Interpretation of EKG's.

REQUIREMENT FILLED: Interim

COURSE LEVEL: This course is designed for majors or advanced students.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 1:00 p.m. - 4:00 p.m., MW, R-204

Philosophy

PHILOSOPHICAL ISSUES: PHILOSOPHY AND RELIGIOUS SECTS

666101A PHIL 101A

4 semester hours

G. Myrbo

This course will analyze and discuss traditional philosophical issues, relating these to the beliefs and positions adopted by several modern religious sects. Topics discussed will include what we can rightfully claim to know, whether freedom is possible in a deterministic world, what a reasonable conception of human nature is like today, and what types of behavior can be thought to be morally correct or obligatory. The religious beliefs discussed will range from the Hare Krishnas and Scientology to New Age, from the confessions of the Children of God to the followers of Jim Jones and Satanists.

The course will include off-campus visits to sect communes or churches. It may also include guest lectures by sect leaders.

There will be two tests and two short paper. Students will be expected to participate in class discussions.

BIBLIOGRAPHY: R. Ellwood, Religious and Spiritual Groups in Modern America; W. Martin, The New Cults; A. Minton, Philosophy: Paradox and Discovery.

REQUIREMENT FILLED: General University Core Requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 9:00 a.m. - 11:30 a.m., M-F, A-202

PHILOSOPHICAL ISSUES: CONSTRUCTING A WORLDVIEW

666101B PHIL 101B

4 semester hours

K. Cooper

All of us hold beliefs about ourselves and the world that we did not learn from science, or history, or the church. We all believe, for example, that umbrellas continue to exist even when no one is looking, that the sun's having risen so often in the past gives us good reason to think it will rise again tomorrow, and that it is morally wrong for teachers to assign grades based on the student's height. Why do we believe these things? More importantly, how can we tell whether we are being reasonable in believing them?

Beliefs such as the above are sometimes called "world-viewish" beliefs: they describe the basic makeup of our world, providing the framework for all our knowledge. This course will provide the student with an introduction to philosophy by focusing on what is perhaps most distinctive about the discipline: its formulating and criticizing of worldviews. By thinking together carefully about what we can know, in what we can believe, and how we ought to live, each of us can begin to develop a perspective on life that will be of importance throughout our days at PLU, and beyond.

Our readings will range from the very introductory (what is philosophical reflection, and how can we tell when it is being done well?) to the very sophisticated (can one show, once and for all, that the evil and suffering in the world disproves the existence of God--or that it doesn't?). Plenty of time will be allotted for discussion.

There will be a quiz, one paper (7-8 pages), and two essay exams on questions distributed in advance. Students will not be expected to agree with any specific "right answers" (though I intend to tell you what they are!), but rather to think carefully and critically about the issues we discuss and to provide rational support for their views.

BIBLIOGRAPHY: Jay Rosenberg, The Practice of Philosophy: A Handbook for Beginners; James Rachels, The Elements of Moral Philosophy; Christina Hoff Sommers (ed.), Right and Wrong: Basic Readings in Ethics; David Wolfe, Epistemology: The Justification of Belief; and a collection of readings.

REQUIREMENT FILLED: General University Core Requirement.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 2:00 p.m. - 4:30 p.m., M-F, A-216

PHILOSOPHY AND POLITICS: THE CONSTITUTION'S CHOICES

666301 PHIL 301

4 semester hours

C. E. Huber

Even as we celebrate the anniversary of the U.S. Constitution, the nation faces an extraordinary number of fundamental challenges to the rights and freedoms it has traditionally insured. In education, personal privacy, religion, and the expanding powers of the presidency, fundamental rights are being eroded or created beyond anything the constitution envisioned. In this course we shall explore the philosophical foundations, epistemic, religious and moral, of constitutional thought, and explore modern issues in the light of the philosophy of The Founding Fathers. Specific topics include government and welfare "rights," federal control of educational curricula (sex education, "creationism") and the churches' role in political advocacy.

This course will involve the reading of some constitutional history and its text and other articles on current issues. Two motion pictures on controversial issues in education and privacy will be shown for purpose of class analysis and debate. There will be three quizzes on the readings, a short paper, and a final examination.

BIBLIOGRAPHY: M. Kamman, ed., Origins of the American Constitution; M. White, Science and Sentiment in America; C. VanDoren, The Great Rehearsal, The Story of the Making and Ratifying the Constitution.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

COST IN ADDITION TO TUITION: No more than \$5.00 for duplicated materials.

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-R, A-204B

WARRING NATIONS, WARRING PEOPLE

666310 PHIL 310

4 semester hours

P. Mensel

Over ten million people died in World War I, over 20 million in World War II. The Korean War was savage, and over 50,000 Americans and many hundreds of thousands of Vietnamese died in the Vietnam War. The U.S. has been involved in numerous "mini-war" skirmishes and incidents since -- Grenada, Libya, Nicaragua, etc. Let's face it: war is one of those fundamental moral issues with which every minimally conscientious American must carefully come to grips if either our democracy or our pride in individual responsibility is worth a dime.

The general goal of this course will be to analyze war in moral terms. Both the important theory of "just and unjust wars," more permissive positions, and more restrictive views will be considered in detail. The most important historical examples studied will be World War II and the Vietnam War, but students will be equipped to analyze other more contemporary situations. Careful scrutiny will be given to justifying the means of war as well as deciding when fighting a war at all might be justified. The course can be used as "military ethics" for potential military officers or as "human ethics" for conscientious individuals who know that these matters are far too important to be left to generals, senators and presidents.

Numerous films about war in the 20th century will be used. Students will write two critical papers, keep a reflective journal, and take an essay final exam.

BIBLIOGRAPHY: P. Caputo, A Rumor of War; G. Dyer, War; J.G. Gray, The Warriors; G. Herring, America's Longest War; M. Walzer, Just and Unjust Wars.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

COST IN ADDITION TO TUITION: \$10 film and materials fee

MAXIMUM ENROLLMENT: 40

MEETING TIME AND PLACE: 1:00 p.m. - 3:30 p.m., M-F, R-206

Physical Education

PERSONALIZED FITNESS PROGRAM

668100 PHED 100

1 semester hour

Staff

COST IN ADDITION TO TUITION: \$5.00

MAXIMUM ENROLLMENT: 40

MEETING TIME AND PLACE: 11:00 a.m. - 12:15 p.m., M-F, Memorial Gym

BEGINNING GOLF

668202 PHED 202

1 semester hour

Staff

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 1:00 p.m. - 3:00 p.m., O-FH

BOWLING

668204 PHED 204

1 semester hour

Staff

COST IN ADDITION TO TUITION: \$20.00

MAXIMUM ENROLLMENT: 24

MEETING TIME AND PLACE: Sec. A - 8:00 - 9:15 a.m., M-F, University Center; Sec. B - 9:30 - 10:45 a.m., M-F, University Center

SKIING

668208 PHED 208

1 semester hour

C. Phillips

Ski lessons are offered for all abilities from "never skied" through "expert". Class sizes average eight students per instructor and the course includes six 2-hour classes on the slopes. Students are free to ski when not in lessons.

COST IN ADDITION TO TUITION: \$145.00. Fee includes lift tickets, lessons and transportation. Students must provide own equipment. Fee must be paid unless course is dropped prior to Dec. 18, 1987.

INSURANCE COVERAGE: Required

MAXIMUM ENROLLMENT: 150

MEETING TIME AND PLACE: 12:30 p.m. to 10:00 p.m.; Jan. 6, 7, 13, 14, 20, 21; Snoqualmie Summit/Ski acres/Alpentel. M (Jan 4, 11, 25), 7:00 - 9:00 p.m., A-101

PERSONAL DEFENSE

668213 PHED 213

1 semester hour

Staff

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 6:30 p.m. - 8:00 p.m.,
M-R, OA

LOW IMPACT AEROBICS

668224 PHED 224

1 semester hour

Staff

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 1:00 p.m. - 2:15 p.m.,
OA-Balcony

WEIGHT TRAINING

668227 PHED 227

1 semester hour

Staff

MAXIMUM ENROLLMENT: 40

MEETING TIME AND PLACE: 10:00 a.m. - 11:30
a.m., M-F, Fitness Center

CO-ED VOLLEYBALL

668253 PHED 253

1 semester hour

Staff

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 7:30 a.m. - 8:45 a.m.,
M-F, OA



DANCE TRACKS

668300 PHED 300

4 semester hours

M. McGill-Seal

An unprecedented interest in dance has swept the country. Search for a fuller understanding of the creative process by throwing yourself on the floor. Tap those creative juices in an introductory class in movement technique. We will explore elements of modern, jazz, improvisation and composition. The in-class experiences range from sensitive improvisations for beginners to video viewing of complex dance forms of professional companies. You will be developing your creative potential with a wide range of movement activities. Use your mind, spirit, imagination and body for a full month of inspired dancing.

BIBLIOGRAPHY: Lynne Anne Blom, L. Tarin Chaplin,
The Intimate Act of Choreography.

REQUIREMENT FILLED: Interim

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon,
MTWR, P-Gym

FAITH AND FITNESS: THE QUEST FOR BALANCE

698301 RELI/PHED 301

4 semester hours

S. Govig, G. Chase

(See interdepartmental listing)



THE OLYMPIC GAMES AND AMATEUR SPORTS

668304 PHED 304
4 semester hours
D. Olson

In a quest for meaning, values, and understanding of contemporary sports participation, we can profit from an analysis of the Olympic Games and the early Greek ideal of a "sound mind in a sound body". This course will examine the history, organization, purposes, and principles of the Olympic Games, an analysis of the "Golden Age" of Greece, and a study of present day amateur sports. Class activities will include; lectures, discussions, movies, tapes, guest appearances of former Olympic coaches and athletes, amateur sports administrators, and high school and collegiate athletic directors, a class presentation, a written report of this oral presentation, reviews of three current articles, and collection of reactions to movies, articles, and current happenings.

BIBLIOGRAPHY: Gene Glader, AMATEURISM & ATHLETICS; Jeffrey Segrave and Donald Chu, OLYMPISM. "The Olympian", US Olympic Committee (periodical) current issue.

REQUIREMENT FILLED: Coaching minor
GRADING SYSTEM: H, P, NC
MAXIMUM ENROLLMENT: 25
MEETING TIME AND PLACE: 10:00 a.m. - 12:00 noon, M-F, O-102

THE EXPEDITION EXPERIENCE

668306 PHED 306
4 semester hours
D. Ryan
(See off-campus listing)

SPORTS MOTIVATION

668308 PHED 308
2 semester hours
F. Westering

Sports motivation is a stimulating and interesting course specifically designed for today's athletic coach or anyone involved in athletics. Many winning ideas and techniques are presented on motivating individuals and teams, assessing strengths and weaknesses of individual players and teams, as well as methods of knowing and better understanding the attitudes and behavior of today's athlete. Sports Motivation is the key to assisting the athlete to strive for his or her maximum potential. The class members will be involved in group discussions and role playing situations with each motivational style (fear, incentive, attitude, and combinations of each.) Students then have the opportunity to do reaction papers on the various

motivational types for which information is on reserve in the library, or on the seven films that are shown in class. The students write a final self-evaluation paper on their new insights, understanding and application of motivational styles, possible conflicts within these styles, and how they can apply them to their lives.

BIBLIOGRAPHY: Tutko, Sports Psychology.
REQUIREMENT FILLED: Interim
GRADING SYSTEM: H, P, NC
MAXIMUM ENROLLMENT: 30
MEETING TIME AND PLACE: 8:45 a.m. - 10:00 a.m., M-F, O-105

FAMILY CENTERED CHILDBIRTH

670311 HEED 311
4 semester hours
P. Hoseth

It is strange that there have been no provisions made to prepare young men and women for parenthood during the required years of formal schooling. The educational system prepares its products well for the demands and responsibilities for citizenship, and for the scientific, intellectual and commercial worlds. It prepares them somewhat for marriage and family life, but not for pregnancy, labor and delivery. For both men and women an important part of preparation for adult life is neglected. This course is offered in an attempt to fill the gap.

The course will consider the following areas: anatomy and physiology of reproduction; pregnancy, labor and delivery; prepared childbirth using Lamaze and other techniques; emotional changes during pregnancy; use of drugs during pregnancy, labor, and delivery; nutrition; Leboyer techniques; postpartum; breast feeding; midwifery; family planning and infant care.

Course expectations include: attendance, participation in class discussions, reading from Handbook and other texts, evaluation of a personal nutrition record. Additional course requirements will include the following: 1) research current articles within four different areas of study, and 2) a final research paper of a report of observations from visiting childbirth education classes in the community.

BIBLIOGRAPHY: A handbook for the Childbirth Education Association of Tacoma, Toward a Better Beginning; plus other optional texts.
REQUIREMENT FILLED: Interim
COURSE LEVEL: This course is designed for all students. However; since the course is primarily designed for lay persons and consumers, upper division nursing students should contact the instructor prior to registering for the course.
GRADING SYSTEM: H, P, NC
MAXIMUM ENROLLMENT: 40
MEETING TIME AND PLACE: 9:00 a.m. - 11:30 a.m., M-F, O-102

THE PILL, THE BOTTLE AND THE ATHLETE

668313 PHED 313

2 semester hours

G. Nicholson

An evaluation of the research and information about drug usage in athletics and society, this course will cover the following subjects: what drugs are used; why are the drugs used; the history of drug usage in athletics; how to communicate with the athlete about his/her problem; and recognizing the symptoms of drug usage.

There will also be a look at drug testing, drug policies in athletic programs and the use of other ergogenic aids that are used to enhance the athlete's performance.

This course will be presented through the use of lectures, video and student presentations (from which the student will be evaluated).

BIBLIOGRAPHY: Instructional material will be presented through hand-outs.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 8:45 a.m. - 10:00 a.m., M-F, O-104

BODY IMAGE

668315 PHED 315

4 semester hours

C. Hacker

The rise of eating disorders and the pursuit of thinness as an ideal for women are of vital interest today. This course places abnormal eating behaviors and attitudes towards the female body in a cultural context, drawing connections between circumstances of health, food supply, women's role in society, and stereotypes of beauty. The class format will emphasize group discussions and personal reflection. Outside speakers and current films will also deepen the learner's understanding of body image in both a personal and societal context. Student assignments include a book critique, class notebook/journal, and a take-home final exam. There will be weekly reading assignments. Topics include the connection between women and food, cultural definitions of beauty, eating disorders, and biosocial factors affecting weight control and nutrition.

BIBLIOGRAPHY: M. Hutchison, Transforming Body Image.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MEETING TIME AND PLACE: 9:00 a.m. -12:00 noon, M-R, O-106

BUDDHIST NEPAL: A HIMALAYAN TREK

668316 PHED 316

4 semester hours

S. Officer

(See off-campus listing)

CARIBBEAN SAILING AND NAVIGATION

668317 PHED 317

4 semester hours

M. Rice

(See off-campus listing)

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Physics & Engineering

ASSEMBLY SAFARI

698308 PHYS/ENGR 308

4 semester hours

H. Adams

An introduction to assembly language for IBM or compatible PC's. Part I includes hexadecimal arithmetic and the use of the Debugger as a programming tool to look inside the 8088 microprocessor. Part II moves on to assembly language programming and uses the concept of modular programming to develop a diskpatch utility called DSKPATCH. In Part III the students will write their own enhancements to DSKPATCH in order to make it more useful. They will also learn more techniques for debugging larger assembly programs. Evaluation will be based on two exams and the final project. Prerequisite: A working knowledge of any text editor and one high level language.

BIBLIOGRAPHY: John Socha, Assembly Language Safari on the IBM PC: First Explorations.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 9:00 a.m. - 12:00 noon, M-F, S-210

Political Science

WORLD WAR III: EXPLORATIONS INTO THE UNTHINKABLE

676303 POLS 303

4 semester hours

W. H. Spencer

Since 1945, nuclear weaponry has hung over the world like the proverbial Sword of Damocles, altering the nature of war, international relations, and the manner in which people and nations contemplate the future. Governments condemn the possibility of nuclear war, but strive to attain nuclear power status as their resources permit. Existing nuclear powers develop scenarios, strategies, and contingency plans based on the use of such weapons, even while usually denying the rationality of their use. In all of this, the attitudes of publics and officials range from fatalism to disregard.

This course will examine approaches to nuclear war, from its strategic scenarios to its anticipated characteristics and effects. We will also try to assess the impact of the concept of nuclear war on political and military relationships and behavior, on popular culture (primarily books and film), and on perceptions of planetary development, prosperity, and survival.

Students will be graded on class contributions and on a minimum of two written projects.

BIBLIOGRAPHY: Freeman Dyson, Weapons and Hope; Sir John Hackett, The Third World War; Herman Kahn, Thinking about the Unthinkable in the 1980's; Office of Technology Assessment, The Effects of Nuclear War; Edward Zuckerman, The Day After World War III.

REQUIREMENT FILLED: Interim

COURSE LEVEL: This course is designed for all students.

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 28

MEETING TIME AND PLACE: 9:30 a.m. - 12:00 noon, M-F, X-114

Psychology

THE MATTER AND SPIRIT OF LEADERSHIP

698300 COMA/EDUC/PSYC 300

4 semester hours

K.O. Mannelly

(See interdepartmental listing)

Religion

FAITH AND SPIRITUALITY

680225 RELI 225

4 semester hours

R. Feucht

Our study will focus upon various understandings and reflections of a self-consciously Christian way of life. This course, therefore, will not focus upon certain abstract ideas, but rather will emphasize particular individuals whose writings exemplify the embodiment of the Christian faith in human life.

The goal of the course will be twofold. The first task will be to listen appreciatively to those who are our historical predecessors. Such significant figures as Augustine, St. Bonaventure, Mother Julian of Norwich, and Martin Luther will be heard from. Secondly our task will be to explore the possibility of a life centered within the Christian faith in our own time. Dietrich Bonhoeffer and Thomas Merton will serve as main points of reference in this regard.

Evaluation will be based upon three papers of varying lengths, a personal study of one's own perspective on the issues with which the course deals, and class participation.

BIBLIOGRAPHY: Rex Warner, The Confessions of St. Augustine; Lawrence Cunningham, The Mind's Journey to God; Glifton Wotters, The Cloud of Unknowing; Martin Luther, Three Treaties; Dietrich Bonhoeffer, Life Together; Dietrich Bonhoeffer, The Cost of Discipleship; Dietrich Bonhoeffer, Letters and Papers From Prison; John J. Higgins, Thomas Merton on Prayer; Thomas Merton, Contemplative Prayer; Thomas Merton, Love and Living; Norwich, Revelation of Divine Love.

REQUIREMENT FILLED: General University Core Requirement

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 40

MEETING TIME AND PLACE: 4:30 p.m. - 7:30 p.m., M-F, A-204B

FAITH AND FITNESS: THE QUEST FOR BALANCE

698301 RELI/PHED 301

4 semester hours

S. Govig, G. Chase

(See interdepartmental listing)

OUR HUMANNESS: PHYSICAL AND RELIGIOUS

698315 CHEM/RELI 315
4 semester hours
B. Nessel, J. Petersen
(See off-campus listing)

OLD TESTAMENT STUDIES: DOES ARCHAEOLOGY PROVE THE BIBLE?

680330 RELI 330
4 semester hours
R. Gehrke

This course will consider the basic methods and chief results of archaeological research related to the Bible. After an introductory survey of the history and methods of modern scientific archaeology, significant finds will be considered chronologically: those of the Bronze Age (relating to the Biblical traditions about the patriarchs, the exodus, the wilderness sojourn, conquest of Canaan) and those of the Iron Age (relating to the Judges, Israelite monarchy, exile, post-exilic and "intertestamental" period). Some consideration will be given to the Palestines of Jesus' Day and the Roman World of the Earliest Church.

Currently popular topics ("Have They Really Found Noah's Ark?") will receive consideration, but emphasis will be on those discoveries which have broader and deeper significance for biblical studies (e.g. the Babylonian flood accounts). By choosing for special personal study a biblical site that is representative of a period (e.g. Samaria during the Divided Kingdom) the student will learn to evaluate current technical archaeological reports as well as treatments of the subject by scholars primarily interested in biblical history.

Although not absolutely prerequisite, some general knowledge of biblical history is most desirable.

BIBLIOGRAPHY: J. Pritchard, The Ancient Near East; E. K. Kenyon, The Bible and Recent Archaeology; J. A. Thompson, The Bible and Archaeology.

REQUIREMENT FILLED: General University Core Requirement

RESTRICTIONS OR PREREQUISITES: A course in Biblical Literature (or its equivalent) or consent of instructor.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 30

MEETING TIME AND PLACE: 8:00 a.m. - 10:30, M-F, A-214

THEOLOGICAL STUDIES: THE PROBLEM OF EVIL

680364 RELI 364
4 semester hours
D. Knutson

The problem of evil is perennial in human history, but perhaps in the 20th century it has become especially poignant and public. Most dramatically symbolized in the Holocaust of World War II and other attempted genocide, the problem raises serious questions about the destiny of humans and belief in God.

In this course we will first seek to encounter the experience of evil as it is described and portrayed in such works as the Old Testament's Job, Archibald MacLeish's J.B. (poetic drama about a modern-day Job), Elie Wiesel's Night (an autobiographical account of the Nazi concentration camps), M. Scott Peck's People and the Lie (an attempt at a psychology of evil), and the film Night and Fog. Students will also be encouraged to contribute to the discussion through accounts of their own experience of evil and human suffering. A second dimension for the course will concern the ways in which we symbolize, conceptualize, and understand evil. Included here will be the classical Christian views on creation, sin and redemption. Materials, in addition to the above, will be drawn mainly from the Bible and other writings on the Christian tradition. Finally we will focus on the question of theodicy, namely, how can one understand God in the face of both natural and moral



Sociology

THE SOCIAL THEORIES OF KARL MARX

686304 SOCI 304

4 semester hours

A. Biblarz

Increasingly, an understanding of contemporary societies requires a serious familiarity with Marxist ideas. Courses in sociology, history, and political science often make passing reference to these ideas, but a full treatment is seldom possible. Students interested in learning about Asia, Africa, and Latin America, as well as Eastern Europe, need to have a deeper understanding of Marx's thought in order to fully appreciate the positive and negative aspects of socialist societies, and the meaning of contemporary revolutions.

This course will be devoted to a critical exposition of Marx's theories of society, social change, and social institutions. Students will read and discuss basic Marxist works, and will hear lectures placing Marxist ideas in their philosophical and historical context, as well as examining the manner in which these ideas have been put into practice. Evaluation of the students will be based on two essay examinations.

BIBLIOGRAPHY: Engels, Socialism, Utopian and Scientific; Lenin, The State and Revolution; Marx, Value, Price and Profit; Marx and Engels, The Communist Manifesto.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 1:00 p.m. - 3:30 p.m., M-R, X-114

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evil? Traditional Christian theodicies will be examined (e.g. Augustine, Irenaeus, Luther) as well as other contemporary views (e.g. protest, process theology). Texts here will include Stephen T. Davis (ed.), Encountering Evil; Harold Hushner, When Bad Things Happen to Good People; and Douglas John Hall, God and Human Suffering. Does the experience of evil mean that the power or goodness of God must be qualified? What implications does evil have for our understanding of human nature and Christian faith?

The course will include lectures, but primary emphasis will be on class discussion of readings and films. Anticipated principal requirements are a mid-term and final exam, a short paper, and an in-class group presentation summarizing and analyzing theodicies and their critiques.

BIBLIOGRAPHY: Elie Wisel, Night; New Oxford Annotated Bible with the Apocrypha (recommended edition); Archibald MacLeish, J.B.; Stephen T. Davis (ed.), Encountering Evil; M. Scott Peck, People of the Lie; Harold S. Kushner, When Bad Things Happen to Good People; Douglas John Hall, God and Human Suffering.

REQUIREMENT FILLED: General University Core Requirement

COURSE LEVEL: This course is open to all upper division students.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 20

MEETING TIME AND PLACE: 1:30 p.m. - 4:00 p.m., M-F, A-202

Social Work & Marriage & Family Therapy

VALUING OUR NICARAGUAN NEIGHBORS

698304 SOCW/EDUC 304

4 semester hours

V. Hanson, M. Hanson

(See off-campus listing)

**WOMEN AND ELECTION YEAR '88: THE
IMPACT OF POLITICS ON WOMEN AND OF
WOMEN ON POLITICS**

686313 SOCI 313

4 semester hours

J. Kohl

In this election year, much attention is bound to be paid in the media to women's participation in the electoral process as voters, political activists, and as candidates. This participation of women in the political arena will be addressed in this course. Also, current social, political and economic issues concerning the status of women and social change, e.g., reproductive rights, pornography, the E.R.A., employment discrimination, and sexual assault and domestic violence, will be addressed as will be various strategies for political action being taken by individuals and groups. Also to be addressed are the relationship of women in politics and the media, the practicalities of running a campaign, and the existence of a "gender gap" in voting.

Guest speakers will include elected officials; candidates for political office and campaign managers (local and statewide); and media representatives, representatives from political action groups, such as the State and National Women's Political Caucuses and Washington Women United.

The course will consist of lectures, debates, guest speakers, small group and class discussion, and media presentations. Evaluation will be based on attendance, participation, and completion and quality of assignments. Assignments will include a media analysis, issues analysis and other written assignments.

BIBLIOGRAPHY: Short articles; Rita Mae Kelly, Ed., Women and Politics.

REQUIREMENT FILLED: Interim

GRADING SYSTEM: H, P, NC

MAXIMUM ENROLLMENT: 50

MEETING TIME AND PLACE: 12:00 noon - 3:00 p.m.,
M-R, A-101

Statistics

INTRODUCTORY STATISTICS

688231 STAT 231

4 semester hours

R. Jensen

This course will cover both descriptive and inferential statistics. Topics covered will include measures of central tendency and variation; probability and probability distributions; statistical estimation; significance tests, including chi-square and analysis of variance; regression and correlation. Applications of the statistical tools will be emphasized. Evaluation of the student will be based on performance on four exams.

BIBLIOGRAPHY: Freund, John E., Modern Elementary Statistics

REQUIREMENT FILLED: Partial fulfillment of College of Arts and Sciences requirements.

GRADING SYSTEM: A, B, C, D, E

MAXIMUM ENROLLMENT: 25

MEETING TIME AND PLACE: 9:00 a.m. - 11:30 a.m.,
M-F, A-204

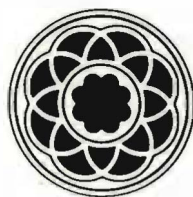
VALUING OUR WORLD



Pacific Lutheran University is fully accredited by the Northwest Association of Schools and Colleges as a four-year institution of higher education and by the National Council for the Accreditation of Teacher Education for the preparation of elementary and secondary teachers, principals, and guidance counselors with the master's degree as the highest degree approved. The university is also approved by the American Chemical Society. The School of Nursing is accredited by the National League for Nursing. The School of Business Administration is accredited by the American Assembly of Collegiate Schools of Business. The Social Work Program is accredited by the Council on Social Work Education at the baccalaureate level. The Department of Music is accredited by the National Association of Schools of Music. Any current or prospective student may, upon request directed to the president's office, review a copy of the documents describing the university's various accreditations and approvals.



Interim 1988



PACIFIC LUTHERAN
UNIVERSITY

Tacoma, Washington 98447-0003