

# PACIFIC LUTHERAN UNIVERSITY CATALOG

SUMMER  
SESSIONS





## What do I need to do to take classes this summer?

It's easy!

Just follow these four steps:

1. Select classes from the quick reference schedule at the center of this catalog.
2. Complete the registration form inside the back cover of this catalog.
3. Pay tuition and fees at the Business Office.
4. Go to class! Enjoy yourself!

## Symbols & Codes

§ Experimental Course			
EAUD	Eastvold	0800	8 am
ECAM	East Campus	0900	9 am
MGYM	Memorial Gym	1000	10 am
ADMN	Hauge Administration Bldg	1100	11 am
INGR	Ingram	1200	12 noon
LIBR	Library	1300	1 pm
MATH	Math Building	1400	2 pm
OGYM	Olson	1500	3 pm
RAMS	Ramstad	1600	4 pm
RCTR	Rieke Science Center	1700	5 pm
XAVR	Xavier	1800	6 pm
M	Monday	1900	7 pm
T	Tuesday	2000	8 pm
W	Wednesday	2100	9 pm
R	Thursday	2200	10 pm
F	Friday		
Sat	Saturday		
Su	Sunday		

# 1990 Summer Sessions Calendar

May		June			July				August			
29-1	4-8	11-15	18-22	25-29	2-6	9-13	16-20	23-27	30-3	6-10	13-17	20-24
Term I												
First 9-week Summer Evenings Term (SE I)												
MBA Term												
Nursing Term												
					Term II							
					Second 9-week Summer Evenings Term (SE II)							
									Workshop Week (WW)			
									Term III			

MAY						
S	M	T	W	R	F	S
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE						
S	M	R	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY						
S	M	T	W	R	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST						
S	M	T	W	R	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

May 28 and July 4 are University holidays. Classes will NOT be held, campus offices will be closed.

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## Celebrate Summer!

We're celebrating 100 years of service at Pacific Lutheran University in 1990. Our summer courses meet in quick, four-week terms or nine-week evening terms. There's a class and a schedule to meet your needs!

## How to Use This Catalog

**Quick Reference.** Turn directly to the Schedule of Courses on page 26 for courses offered, times, days, rooms and the like. You need this information to complete the registration form. Note any \*, referring you to the course description. Colored bars indicate late afternoon or evening classes.

**Course Descriptions.** Course descriptions begin on page 9, including prerequisites, dates, times, locations and instructors.

**General Information.** The first section of the catalog contains campus resources and services, housing and parking information, and registration policies and procedures.

**Registration and Housing Reservation.** Inside the back cover are two postage-paid forms — one for registration and one for housing reservations. You may also register by telephone. See page 3 for details.

**Received two catalogs?** Because we use multiple mailing lists, you may have received more than one copy of the catalog. If you did, please pass the extra copy on to a friend!

**If you have any questions about this catalog, please call the Office of Summer Sessions (206) 535-7143, or stop by Ingram Hall, rm 101, Monday through Friday, 8 am--5 pm.**

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## 6 Simple Steps to Make Your Summertime Easy

1. **Where to park.** Summer parking is easiest in the Library lot. Entrance is on Wheeler St. across from Trinity Lutheran Church.

2. **Where to snack.** The snack wagon is located outside the south entrance to the Administration Building. Hours are 9 am--2 pm daily.

3. **Where to buy books and supplies.** The bookstore is inside the University Center and will be open until 6:30 pm the first day of each summer term listed inside the front cover.

4. **Where to get an ID card.** Having your very own, validated ID card will make your life easier in many ways. Only with a valid ID card can you check out materials from the library, swim in PLU's Olympic-sized pool and play golf for only [\$2] a round. Stop by the Registrar's office any day from 8 am - 7 pm.

4. **Where to get culture.** Broaden your horizons with the International Lecture series, Tuesdays at noontime in the Administration Building, room 101. Every Wednesday at noon, stop by Red Square for a brown-bag concert ranging from classical to bluegrass. Literary Visions poetry and fiction readings take place Wednesday evenings in July. And check campus bulletin boards for announcements of a special "Goodwill Games" classical music festival.

5. **Where to get exercise.** Tennis courts, a 9-hole golf course, an Olympic-sized pool, complete fitness center — all these and more are available to you. Check page 7 for details.

6. **Where to get friendly answers.** Contact the Office of Summer Sessions in Ingram Hall, room 101, or call (206) 535-7143.

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## Celebrate Summer

To celebrate PLU's Centennial Summer, the Office of Summer Studies is hosting an old-fashioned ice cream social and fruit festival each term this Summer. Get your centennial clothes ready and mark your calendars for:

**June 20** Strawberry Festival  
**July 18** Raspberry Festival  
**August 22** Peach Festival

Exciting, fun musicians are proposed for each Wednesday at noontime in Red Square, beginning June 6.

## Celebrate the World

**Goodwill Games.** The World is coming to Tacoma this Summer. Several events for the 1990 Goodwill Games will be held in Tacoma, including:

Men's Gymnastics	July 20-22
Tacoma Dome	
Women's Gymnastics	July 27-29
Tacoma Dome	
Figure Skating	August 2-5
Tacoma Dome	
Ice Hockey	August 4-5
Tacoma Dome	
Baseball	July 26-31
Cheney Stadium	

Call 272-2672 for ticket availability information.

### International Brown Bag Lecture Series

Eight lectures by visiting international professors and experts are held each Tuesday at noon in the Hauge Administration Building, room 101. Lectures are anticipated by visiting experts on Central America and eastern Europe. Call 535-7150 for more information.

## Celebrate the Arts

### Literary Visions

A series of readings by Northwest poets and writers, begins June 27 and runs Wednesdays through July 25. The schedule includes:

June 27	James Hall, writer
July 11	Madeline DeFrees, poet
July 18	Jack Cady, writer
July 25	Linda Bierds, poet

All readings are held in Ingram Hall, room 100 at 7 pm. The public is invited to the free readings and to a reception honoring each author after the reading.

### Goodwill Chamber Festival

At PLU June 6, 13, and 20. Call 535-7150 for program information. The Festival continues at the University of Puget Sound on July 11, 18 and 25; and the Second City Chamber Series at Annie Wright School on August 8, 15 and 22.

## Special Summer Courses

### Scandinavian Heritage Seminars

Explore Scandinavian art, research your heritage, study immigrant history and literature at PLU's Scandinavian Heritage Seminars July 1-6. Plans include a day of Scandinavian art and design; information on how to research your heritage; visits to local museums; and a close look at Ole Rolvaag, author of *Giants in the Earth*.

### Summer Scholars Program

Academically gifted incoming high school juniors and seniors, this program is for you. Investigate projects in-depth in writing or science and earn college credit, too! Live in a college dorm for three weeks. The Summer Scholars program is held at PLU July 9 through July 27. Participants will be selected by mid-April from among nominations received from high schools, parents, and community groups. Sponsored by PLU and assisted by funds from the Tacoma Area Council on Giftedness.

For detailed information, contact Dr. Judith Carr, Dean of Special Academic Programs, at (206) 535-7130.

### PLU Middle College

High School incoming seniors and '90 graduates, get an early start on a successful college career this summer at PLU!

Called Middle College, the six-week summer program (June 16 to July 27) helps students sharpen learning skills while earning eight to ten regular, transferable semester hours of college credit.

Middle College helps to make college level study easier. Within a framework of interesting, contemporary topics, it emphasizes basic skills so important in college — written and oral communication, study skills, and mathematics. Each Middle College student works closely with PLU professors and college student tutors on a personal, individual

basis. There are six professors on the faculty, from social sciences, mathematics, English, earth science, and music, a full-time counselor, and six tutors. Each student receives individual counseling and aptitude or skills testing. And each learns how to find and use information at the University.

Classes are small, flexible, and informal, giving each student an opportunity to get well acquainted with both instructors and fellow students.

Middle College isn't just work. There is plenty of opportunity for play, taking advantage of PLU's excellent recreational facilities—swimming pool, tennis courts, golf course, bowling alley, games room, jogging-fitness course, and handball, racketball, and squash courts. Or simply enjoy sunbathing or frisbee on PLU's spacious, green campus lawns.

Live on campus or commute, although on-campus housing is *strongly* recommended for this program. Tuition cost for the program is \$1,520, and financial aid, based primarily on need, is available.

Tuition	\$1520
Room & board (if desired)	\$626
Textbooks	\$60-125
Total Cost Estimate	\$2206-2271

The deadline for Middle College applications is May 31, 1990. For more information, write or call Dr. Judith Carr, Middle College, Office of Special Academic Programs, PLU, Tacoma WA 98447, or phone (206) 535-7130.

### Summer Piano Performance Institute

For Junior and Senior High School students. Classes include History of Piano Literature, Style and Interpretation, Keyboard Harmony and Improvisation, and two private lessons per week with Dr. Calvin Knapp, professor of Music at Pacific Lutheran University. The Institute is June 18-July 6. For more information, contact Dr. Calvin Knapp, Pacific Lutheran University Department of Music, Tacoma, WA 98447.

### Elderhostel

Five one week sessions are planned for PLU's eleventh Elderhostel program. Academic offerings in music, art, Scandinavian crafts, religion, geography, and journalism join university faculty with Elderhostel learners. The week of July 15-21 features classes relating to the international politics of the Goodwill Games and the Olympic movements.



Participants wishing to attend the Goodwill Games July 20 through August 5 may make arrangements for on-campus housing during the event. Elderhostel is an international program especially for persons at least 60 years of age (or spouse/companion of a participant). Elderhostelers reside on campus, eat at the university cafeteria, and enjoy the special activities that make up a PLU summer. 1990 Elderhostel weeks are June 10-16, June 24-30, July 1-7, July 15-21 and August 12-18. For more information, please write: Elderhostel, University Center, Pacific Lutheran University, Tacoma, WA 98447. National Elderhostel catalogs are available by writing: Elderhostel, 80 Boylston Street, Suite 400, Boston, MA 02116.

### Summer Conferences at PLU

Among the significant conference offerings at PLU in 1990 are the joint assemblies of the Northwest and Southwestern Washington Synods of the Evangelical Lutheran Church in America, the 35th Annual Pacific Northwest Writers Conference, the Great Northwest Evangelism Workshop, Youth Alive, and an ELCA Global Mission event. Sports camps including basketball, football, wrestling and tennis are combined with camps for cheerleaders, drill teams, academic programs for international students and youth activities that bring thousands of young people to the campus each summer. For further information, please contact PLU Conference Office, Tacoma, WA 98447.

### Tuition, Room and Board

Tuition, per semester hour	\$190
Audit, per semester hour	\$190
MBA, Social Sciences Graduate, & Nursing per semester hour	\$297
Private Music Lessons (13 half-hour lessons = 1 semester hour credit)	
- 1 semester hour credit in addition to tuition	\$100
- 2 semester hours credit in addition to tuition	\$175
Residence Hall rooms*	
	Double    Single
One 4-week term	\$216    \$266
Two 4-week terms	\$406    \$456
Three 4-week terms	\$567    \$617
Additional days	\$8 per day

*Advance Placement Institute students, please sign up for housing by contacting*

the PLU Office of Summer Studies, Tacoma, WA 98447 or call (206) 535-7143.

A variety of meals plans make eating on campus a breeze. Choose one to fit your needs and appetite.

20 meals per week	\$52.50 per week
15 meals per week	\$43.75 per week
10 meals per week	\$33.75 per week
5 meals per week	\$17.50 per week

\*Room and board rates subject to change.

### Payment Information

Tuition and fees are due on or before the first day of the session in which the classes fall. Mail tuition to the PLU Business Office, P.O. Box 21167, Seattle, WA 98111-3167 or bring it to the PLU Business Office on campus, Administration Building room 110. Payment may be made by check, payable to "Pacific Lutheran University" or by VISA or MasterCard. The student's full name and Social Security Number should be written on the check to insure proper credit.

Registration is not finalized until tuition and fees are paid. Unpaid balances are subject to late charges. Contact the Business Office for current charges if a complete statement has not been received.

### Admission

**Non-degree students.** Non-degree students planning to enroll for the summer session only, without intention of working toward a degree from PLU or for a teaching certificate, need not file a formal application or submit transcripts from other schools attended. They may enroll in any course for which they have the necessary prerequisites.

**Degree students.** Students who plan to work toward an undergraduate degree from PLU must complete a formal application for admission. The necessary forms may be obtained by contacting the Admissions Office, (206) 535-7151. Students who have done acceptable work in another accredited college will be granted advanced standing for previous work.

**Master's degree students.** Students seeking admission to the master's degree program should contact the Office of Graduate Studies at (206) 535-7141. Certification students. Students seeking certification should contact the School of Education at (206) 535-7272.

**Continuing students.** Current PLU

students who wish to enroll for the summer session, simply return the registration form inside the back cover of this catalog by mail or in person to the Registrar's Office.

### Course Numberings

**101-299** Lower division level.

**301-499** Open to both graduate and upper division undergraduates. Such courses may be a part of the graduate program provided they are not specific requirements in preparation for graduate study.

**500-599** Graduate courses. Normally open to graduate students only. Upper division students may be enrolled if, during the last semester of the senior year, a candidate for baccalaureate degree finds it possible to complete all degree requirements with a registration of fewer than 16 semester hours of undergraduate credit, registration for graduate credit is permissible. However, the total registration for undergraduate requirements and elective graduate credit shall not exceed 16 semester hours during the semester (6 during a term in Summer). A memorandum stating that all baccalaureate requirements are being met during the current semester must be signed by the appropriate department chair or school dean and presented to the dean of graduate studies at the time of such registration. This registration does not apply toward a higher degree unless it is later approved by the student's adviser and/or advisory committee.

Independent study, thesis or studio projects may be authorized in certain specific cases if approved by the chairperson or dean concerned. An independent study registration card is available in the Registrar's Office. Register for independent study before the session begins.

### Graduation/ Commencement

Students who plan to complete requirements for a degree during the summer should fill out an Application for Graduation form, available from the Registrar's Office. Undergraduates should return the completed form to the Registrar's Office, and graduate students should return the form to the Graduate Office, no later than July 5. Commencement ceremonies will be held on Friday, August 24, in Eastvold Auditorium at 7 pm.

## Insurance

Accident and health insurance may be purchased at low cost from the University Business Office at the time of registration. Students in any of the following categories or activities are required to purchase this insurance or provide evidence to the University of similar coverage from another source: foreign students; nursing students; students participating in off-campus overnight tours; and students participating in the following courses:

ANTH 465	Archaeology: The Field Experience
BIOL 351	Natural History of the Pacific Northwest
BUSA 490	Europe: Business, Politics and Culture
COMA 447	Theatre Northwest
ESCI 131	Physical Geology
ESCI 202	Oceanography
ESCI 425	Geological Field Mapping

## Registration

**Summer registration is a picnic!** You may register by mail, in person, or by telephone. Registration for all Summer Sessions begin April 2, 1990.

**By mail.** A postage-paid registration form is included inside the back cover of this catalog. Just fill it out and mail it to reach the University no later than ten days before the first day of the class(es) for which you are registering. If the completed registration form is mailed with a check, money order, VISA or MasterCard number and expiration date, you will not need to stop at the PLU Business Office first, but may go directly to the first meeting of your class.

Mail your registration to: Registrar, Pacific Lutheran University, Tacoma, Washington 98447

The following information should be included:

1. Name of student.
2. Student's Social Security Number.
3. Name of cardholder (if different from student).
4. Bank card number (VISA or MasterCard) and its expiration date (if paying by VISA or MasterCard).

**By telephone.** It's easy to register by phone. Please have the following

information available when placing your call to (206) 535-7131:

1. Student's full name.
2. Student's Social Security Number.
3. Department code and course number for each course for which the student is registering.
4. Address while at PLU (if known).
5. Permanent address (if different from above).
6. Telephone number.
7. Date of birth.
8. Ethnic origin (optional).
9. Religious preference (optional).
10. Bank card number, expiration date, and name of card holder (if paying by VISA or MasterCard).  
*Sorry, courses requiring tally cards, independent study cards, or eligibility forms are excluded from telephone registration.*

**On-campus.** Advance registration by mail is encouraged, but if you prefer, on-campus registration begins April 2.

Registration for Term II must be completed by June 25, registration for Term III must be completed by July 30. If you plan to attend the entire summer session, complete your registration for all terms at the time of your initial registration. If you need a transcript to be evaluated and a progress chart created or brought up to date, make your request to the Registrar's Office by mail or by personal appointment, preferably before June 15.

**Changes and Withdrawals.** Please notify the Registrar's Office of any adds or drops from a course. There is no processing charge to substitute courses. The last day to add a class or register is May 29 for Term I, June 25 for Term II and July 30 for Term III.

If you register for Term I only and later decide to enroll for Term II or III, just add the desired courses on a drop/add form (available on the cart outside the registrar's windows). The balance of tuition can be paid on the first day of your second term. If you register for more than one term and decide not to continue in subsequent terms, you must make an official withdrawal from the subsequent term courses.

Official withdrawals, with a grade of "W," may be given any time during a term, but there will be no refund if the withdrawal is made after the third

(second day for workshops) day of the class. Unofficial withdrawals will result in grades of "EW" and will count as fail hours in the G.P.A.

Courses may be changed from audit to credit or credit to audit through the third day of class.

**Pass/Fail Option.** If you prefer take a class pass/fail, you must file a pass/fail form with the Registrar's Office by the end of the second week of class. Forms are available at the Registrar's Office.

**ID Cards.** It is important that you have a valid ID card in order to use the library, cash checks on campus, and to obtain other University services and privileges. Continuing students may have cards validated in the Business Office. Those here for the summer only should request their ID Cards at the Registrar's Office — it only takes a moment to have a card made, and it will make life on campus a little easier.

**Course Load and Waivers.** The maximum course load for each summer session is six semester hours. Permission to register for more than six hours per session must be obtained from the Dean of Summer School, Ingram 101. Graduate students may not take more than 12 semester hours during the summer to count toward the master's degree at Pacific Lutheran University.

**Transcripts.** If you need a transcript of your summer work, submit a written request to the Registrar's Office. Third term grades will be processed and transcribed approximately five working days after being submitted by the faculty (August 28). Please take this into consideration when requesting transcripts for school districts. Transcripts cannot be sent for students with unpaid accounts at the University.

## Campus Services and Facilities

Most PLU offices close at noon on Fridays. However, the University Center Information Desk is open on a regular basis Friday afternoons. The University Center building also is open weekends, as is the Columbia Center Coffee Shop; the Swimming Pool is open Saturdays (see Recreational Facilities for hours).

## Academic Advising Office

Come to the Academic Advising Office for help with academic advising: information on general university requirements or procedures, planning an educational program, choosing or declaring a major or minor, requesting waiver of a university requirement, etc. The Academic Advising Office provides general academic advising services for undergraduate students during the summer session. Stop by Ramstad 112, Monday through Thursday from 9 am to 5 pm or Friday from 9 am to 12 noon. Or call 535-8786.

## Academic Assistance Center

The Academic Assistance Center wants you . . . to become effective and efficient in your academic pursuits. During summer sessions, limited tutoring is available. Please check with the center regarding your specific needs, or call 535-7518.

Center services are extended without charge to all registered PLU students. The office is located in Ramstad 112. Summer hours are Monday-Thursday from 9 am to 5 pm and Friday from 9 am to 12 noon.

## Bookstore

PLU's Bookstore has more than just the textbooks and supplies that are required or suggested by faculty members for their courses. Supplies, gifts, greeting cards, clothing, film processing, toiletries and lots of other items are available for your convenience. Oh, and they sell books, too.

Summer hours:

8 am-4:30 pm, MTWR

8 am-12 noon, Friday

Shop until 6:30 pm the opening day of each summer term. Late nights at the bookstore include: May 29, June 4, June 5, June 25, July 23 and July 30.

If you have specific textbook needs at other times, please phone (206) 535-7665 during regular bookstore hours and arrangements will be made to serve you.

## Campus Ministry

Pacific Lutheran University is, by design and intent, a place for the interaction of academic study and the Christian gospel. Opportunities for the expression of faith and worship are provided for the community. Weekly chapel services are held in Eastvold Tower Chapel, 10—10:30 am each Wednesday.

The University pastors are available for conversation and counsel in the Campus Ministry office located in the University Center, or call (206) 535-7464.

## University Child Care

University Child Care, operating in PLU's East Campus location, is an independent non-profit center established to serve families in the Parkland-Spanaway area. Clients are served on a first-come, first-served basis; priority is for low-income, working clients, and costs are based on gross monthly income. Licensed for 54 children from 12 months through 5 years, the center operates year-round, from 6:30 am to 6 pm Monday through Friday. Although there is a waiting list for full-time clients, there is space for limited drop-in care most afternoons. The staff is trained in Early Childhood Education with PLU work-study and practicum students involved; support staff includes a social worker, nurse consultant, cook, and bookkeeper. The program is comprehensive, with developmentally appropriate activities for all ages, including indoor/outdoor play and group/free-activity times. Staffing ratio is 1 adult to 5 children during peak program hours (9 am-3pm). Meals and snacks are included. For more information, write Cheryl Habgood, University Child Care, P.O. Box 44082, Tacoma WA 98444, or phone (206) 531-2009. Many PLU students, faculty and staff use the Trinity Lutheran Child Care Center at 12115 Park Avenue South. Located close to the University, Trinity Lutheran accepts children on a full-time basis; no drop-in care is available. Children from one month of age through kindergarten receive excellent supervision and nutritious meals and snacks. Although there is no summer pre-school program, there are educational activities scheduled for all ages. Fees are assessed on a sliding scale. Feel free to come by and observe at any time, or call (206) 535-2699 for further information.

## The Computer Center

The Computer Center's offices are entered through the south-east corner of Mortvedt Library. The facility houses DEC VAX 6210 and DEC VAX 6220 computers. A large academic user room located in the east wing of the Memorial Gym building provides student access to the VAX systems, IBM, and Apple IIe

personal computers throughout the summer.

Approximately 50% of the user room operating hours are designated as times when no charging will be in effect.

Charging for computer use will be made only during historically heavy use times. There is no accessory charge, such as CPU, pages printed and blocks stored. The charge for connect time for both the PC and VAX terminals is \$.50 per hour. A variety of software programs is available for the VAX and IBM systems. Well known programming languages can be used on the hardware. Pacific Lutheran University has adopted standard PC software for word processing, spread sheets, data bases and statistics. Consultants are on duty in the user room to help students with operational problems.

The Computer Center offers a wide range of services, including free "how to" workshops. Check with the Computer Center for information about the user rooms operating hours, a list of the workshops, the current software standards, the current charging schedule and any other questions you might have regarding the use of computer facilities at PLU.

The Computer Center's main offices are open 8 am until 5 pm during normal University operating hours.

## Food Services

The Food Service Department endeavors to meet the needs of all and make a student's stay here a pleasurable and satisfying experience. The University Center cafeteria is open to all. Meals are also available at the University Center Coffee Shop and at Columbia Center Coffee Shop. The University Center Coffee Shop is open Monday through Thursday from 7 am—6 pm and Friday from 7 am—2 pm (unless posted otherwise). One popular item offered is a \$20 coupon book sold for \$18 that is good for food purchases. The book is purchased through the Business Office or the Coffee Shop. Also, a variety of meal plans are available through the Food Services office located in the University Center. A snack wagon is available from 9 am—2 pm Monday through Friday during the summer. It serves a variety of items including sandwiches, hot dogs, coffee, juice, pop, donuts, fruit and individual salads. The wagon is located at



the south entrance to the Administration Building.

If you have any questions about the services offered, please feel free to call the Food Services Office at (206) 535-7472.

### **MICA (Minority, International, Commuter and Adult Services)**

Historically a residential campus, PLU now has a substantial number of students over 25 years old and students who commute, bringing new meaning to the phrase "college students." Foreign and minority students bring a glimpse of other cultural perspectives to the PLU campus. MICA offers these students academic support and special programs. MICA offices are located in the University Center, lower level. Stop by or call 535-7195.

### **Residential Life and Housing**

Campus living continues to grow in popularity as an economical, convenient answer to housing needs during summer school. Rates remain well below the standard monthly rental for an apartment, and new, flexible summer meal plans enhance economy and convenience. Campus living also facilitates out-of-class interaction with faculty and other students.

Both single and double occupancy rooms are available. Single rooms are limited and are assigned on a space-available basis according to the order in which the Residential Life Office receives your request.

Students and staff initiate and coordinate residence hall programs. Many programs take advantage of the natural resources of the Puget Sound area: mountains, lakes, recreation areas, and the ocean. All programs are designed to enhance your summer school experience.

You may obtain campus housing by contacting the Residential Life Office at (206) 535-7200, or by completing the pre-registration form inside the back cover of this catalog. See page 3 for specific costs.

### **Student Life**

The Student Life Office is the administrative umbrella for PLU's Student Life organization. It gives overall direction to a variety of student services and acts as a central resource for student information and assistance. Departments within Student Life include: Career Services; Counseling and Testing Services; Health

Services; Minority, International, Commuter and Adult Student Services (MICA); Residential Life; and the University Center.

Student Life, through its services and programs, promotes a campus environment wherein students may explore, develop and learn in both academic and co-curricular contexts. Stop by Administration 130 or call X7191 and get acquainted.

## **University Facilities**

**University Center** (1970) is entering its twentieth year as the gathering spot for students, faculty and guests of the University. In addition to dining facilities and the University Bookstore, the Center houses student government, Campus Ministry, MICA (Minority, International, Commuter and Adult) student services, and student media. Special features of the building include the Games Room, Coffee Shop, Cave (a student-run food and entertainment center), Information Desk and Scandinavian Cultural Center.

**Hauge Administration Building** (1960) houses University administrative offices, classrooms, faculty offices, studios and master control for closed circuit television.

**The Robert A. L. Mortvedt Library** (1966) is an air-conditioned multi-media learning resource center containing over one-quarter million books, periodicals, microfilm, and audio-visual aids, and on-line computer record-search capabilities. The building also houses the Computer Center, University Archives, and Photo Services. A student ID card is required to check out materials from the library, see "ID Cards" on page 4.

**Xavier Hall** (1937, remodeled 1966) houses classrooms, and offices for faculty of the Division of Social Sciences.

**Ramstad Hall** (1947, remodeled 1959 and 1985) houses the School of Nursing, the Writing Center, International and Adult Student Services, Academic Advising, and Career Services.

**Memorial Gymnasium** (1947, remodeled 1984) provides classroom and activity areas for the School of Physical Education and the Theatre program.

**Eastvold Auditorium** (1952) accommodates concerts, special events and plays. It also contains classrooms, stage and radio studios, ensemble practice rooms and individual practice rooms for the Music Department and the Communication Arts Department as well as the KPLU-FM radio studio.

**Olson Physical Education Auditorium** (1969) contains a 3,200 seat auditorium and complete indoor facilities for most sport/recreation activities.

**Aida Ingram Hall** (1955, remodeled 1971 and 1986) houses studios, offices and classrooms for the School of The Arts, the Art Department, Communication Arts Department, University Gallery for outside exhibitors and Wekell Gallery for student works.

**William O. Rieke Science Building** (1985) provides administrative offices, laboratories, and classroom, along with a 200-seat lecture hall for Biology, Chemistry, Earth Science and Physics Departments. The building was dedicated in January 1985

**PLU East Campus** (1914, acquired 1982, remodeled 1984) houses classrooms, a child care center, a gymnasium, and offices for Special Education, Marriage & Family Therapy, and Social Work staff. Community outreach programs such as low-income food distribution, Second Wind (for senior citizens), family counseling, and a day school for behaviorally troubled children operate with PLU East Campus as base.

## **Recreational Facilities**

PLU offers a broad variety of recreational opportunities for summer students. Exceptional facilities are available for most popular sports and pastimes! Free use of the Names Fitness Center, Olson Auditorium, and the Swimming Pool is available by presenting your student ID card (available from Registrar's Office). Reservation of racketball/squash courts is made by calling 535-7365. Schedules for use of all recreational facilities are available in the School of Physical Education office in Olson Auditorium.

**Names Fitness Center** was dedicated in 1984. This 5,500 sq. ft. facility contains the latest in weight training and other



conditioning/fitness equipment, including an indoor jogging track. Hours: 8 am-9 pm, MTWRF, noon-4 pm, Sat.

**Olson Auditorium** is a multipurpose facility featuring a Sport Tred gymnasium floor and an AstroTurf fieldhouse. Activities include basketball, volleyball, badminton, handball, racketball, squash, and weight training. Hours: 8 am-6 pm, MTWR, 8 am -1 pm, F.

**Swimming Pool** offers a swimming area, diving pool, sunbathing area, locker and dressing rooms. Hours: 6:30-8:50 am and 5-5:50 pm, MTWRF (adults only); 1-2:50 pm, MTWRF and 7-8:50 pm, MTWRFS (all ages); 3-4:50 pm, MTWRF (PLU students, faculty, staff only), MTWRF. Swim lessons are available for ages 4 through adult.

**University Center Games Room** features modern six-lane bowling alley, pool tables, table tennis, shuffleboard, and coin-operated table games. Hours: 11 am-10 pm, MTWRF.

**University Golf Course** is a 2,770-yard, nine-hole, par 35 layout with a reduced fee schedule for students. Hours: daylight.

**Tennis Courts** Six lighted courts are available on lower campus. PLU students, faculty, staff and summer/convention guests have use priority.

**Off-Campus Recreation** Numerous recreational opportunities exist close to the campus. Spanaway Park, located by a lake two miles south of campus, features canoe, rowboat and paddleboat rentals in addition to swimming, horseshoes, picnic facilities, golf and fishing. The public Spanaway Golf Course is a beautiful championship course with well-kept fairways, greens and traps.

**Sprinker Recreation Center**, also located two miles south of campus, has excellent facilities for tennis, track and field, softball, baseball, basketball, broom hockey and racketball. Sprinker also has a sunbathing area, locker and dressing rooms and an ice skating arena. For program days and times or court reservations, phone (206) 537-2600.

## Degree Programs

### Bachelor's

- Anthropology
- Art
- Biology
- Business Administration
- Chemistry
- Classics
- Communication Arts
- Computer Engineering
- Computer Science
- Earth Sciences
- Economics
- Education
- Engineering Physics
- Engineering Science
- English
- French
- German
- Global Studies
- History
- Legal Studies
- Mathematics
- Music
- Norwegian
- Nursing
- Philosophy
- Physical Education/Recreation
- Physics
- Political Science
- Psychology
- Religion
- Scandinavian Area Studies
- Social Work
- Sociology
- Spanish
- Master's**
- Master of Arts in Computer Applications
- Master of Arts in Education
- Classroom Teaching
- Counseling and Guidance
- Educational Administration
- Educational Psychology
- Reading
- Special Education
- Master of Arts in Music
- Master of Arts in Social Sciences
- Organizational Systems
- Marriage & Family Therapy
- Individualized Study
- Master of Business Administration
- Master of Arts in Music
- Master of Science in Nursing

*Throughout the year, the university will commemorate our first hundred years by holding seminars, lectures, specially commissioned concerts, visits of dignitaries from Nobel Peace Price winners to outstanding alumni/ae, dedication of outdoor sculptures, a variety of community events, and much more.*

*I invite you to make the summer most productive academically. At the same time, I hope you will join many of the summer events which are planned to celebrate a milestone in our history.*

**-- William O. Rieke, M.D.  
President**



# ANTHRO- POLOGY

## ANTH 220A01 Peoples of the World (2)

Term I: May 30-June 20

Why do other people often strike us as 'weird' or 'evil' or at least a little bit odd? Why don't we non-judgmentally view others a just "different?" This workshop focuses on how we learn to understand (or misunderstand) peoples of other countries and/or ways of life. Through films, guest speakers, discussions and readings, we explore other cultures, examine our reactions to them, and develop our own guidelines for dealings with global cultural diversity. Fee: \$10.

1800-2130, MW. XAVR-112. G. Guldin

## ANTH 220B02 Archaeology & Past Cultures of Washington (2)

Term II: June 25-July 18

People have lived in the Northwest for more than 11,000 years. Who were the first occupants and how did they survive in an environment quite different from that of today? In the millennia following initial occupation, very distinctive and sophisticated cultures with elaborate rituals and art developed in the Northwest. This course examines the changing lifeways and increasing social and economic complexity of Northwest Cultures through time. Fee: \$10 film fee.

1830-2200, MW. XAVR-112. D. Huelsbeck

## ANTH 220C03 Peoples of the World: Complex Society (2)

Term WW: July 23-July 27

Many people think of Anthropology as a discipline which focuses on small-scale "exotic" societies and dead cultures

known primarily through their material remains. Many contemporary researchers, however, have turned their attention to the study of cultures at all levels, including those existing in underdeveloped nation-states and modern, industrial societies. This workshop entails an introduction to key issues in the anthropological study of complex societies. Lectures, class discussions and films cover topics ranging from the effects of world economic forces on local experience to changing kinship patterns. The challenges of applying anthropological methodology and concepts to the study of cities and state systems is discussed. Fee: \$10.  
0900-1600, MTWRF. XAVR-112. E. Brusco

## ANTH 230 Peoples of the Northwest Coast (2)

Term I: May 29-June 21

Survey the original inhabitants of the Northwest coast from Oregon through Southeastern Alaska, from pre-contact to the present. Examine (1) the traditional life of these native Americans, including their art, kinship, belief systems and political systems; (2) the changes that occurred because of early contacts with foreign governments, missionaries, and business people; and (3) these societies today, as well as sovereignty fights, Alaska land claims, British Columbian laws, and the Boldt decision in their native context. Fee: \$10

1800-2130, TR. XAVR-112. L. Klein

## ANTH 465 Archaeology: The Field Experience (4)

Term II: June 25-July 20

Archaeological sites come in a variety of sizes and shapes and this course exposes students to some of this variation. We focus on one of the oldest sites in the area. The course emphasizes basic excavation skills, including not only digging, but also record-keeping, field drafting and field photography. An introduction to laboratory work includes preliminary artifact processing and

learning to identify prehistoric artifacts. Lab fee: \$50 covers personal equipment, transportation to and from the site and crew T-shirt.  
0800-1700, MTWRF. XAVR-112. D. Huelsbeck

# ART

## ARTD 160 Drawing (4)

Term II: June 25-July 20

A basic course in drawing for those who have had a desire to draw, but who may have thought they lacked the "talent." This course shows you the process of visualizing that established artists use, that it can be learned and that skills can be developed that allow you effectively to illustrate imagery on a two-dimensional surface. Fundamental drawing techniques, such as perspective and shadowing, will be explored in graphite pencil, and pen and ink; subjects are limitless; issues are as varied as student interest and time permit. Several drawing excursions should be expected depending on class size. Room for advanced work under Studio Projects/Independent Studies. Fee: \$15 materials.  
0800-1215, MTWRF. INGR-126. D. Cox

## ARTD 367/467\* Scene Workshop (4)

Term SE I: May 29-July 27

Gain hands-on experience in all facets of technical and artistic aspects of theater production, lighting, painting, rigging and sound. The learning experience centers on a workshop format building sets for the Centennial Opera scheduled to be performed during Interim 1991. Others aspects of production and design, such as stage photography, are addressed. Everyone is welcome, your skill level is secondary to your desire. \*May also be taken as COMA 367/467, see page 13.  
1830-2130, TR. EAUD-122. B. Frehse/D. West



### ARTD 390 Russian Art and Culture (4)

Term I: May 29-June 22

A survey of Russian art and culture from the Middle Ages to the present. 1230-1515, MTWRF. INGR-116. R. Brown

### ARTD 501 Art Education for Teachers (2)

Term III: July 30-August 24

A course designed to help elementary classroom teachers explore ways to integrate art into their teaching. Fee: \$15 materials. 1700-2000, MW. INGR-126. J. Honeycutt

## BIOLOGY

### BIOL 111 Biology and the Modern World (4)

Term II: June 25-July 20

An introduction to biology, primarily designed for non-biology majors. Fundamental concepts chosen from all areas of modern biology including the environment, population, human anatomy and physiology, genetics, evolution, and biological control. Includes laboratory. No prerequisites; satisfies general university requirements. For further information, contact David Hansen (206) 535-7565. 0800-1215, MTWRF. RCTR-102. D. Hansen

### BIOL 112 Humanistic Botany (4)

Term I: May 29-June 22

An introduction to the basis principles of biology with an emphasis on plants and their impact on people. Topics include: basic plant structure and function; poisonous plants; medicinal

plants; food plants; propagation of house plants; home care of plants; plant identification. Includes laboratory. No prerequisites; satisfies general university requirements. For further information, contact Mike Crayton (206) 535-7547. 0800-1215, MTWRF. RCTR-122. M. Crayton

### BIOL 201 Introduction to Microbiology (4)

Term II: June 25-July 20

Identical in content to the fall semester BIOL 201 course. The growth, control, physiology, isolation, and identification of microorganisms, especially those which affect human beings. Includes laboratory. For more information, contact Angie Alexander (206) 535-7545. Prerequisite: CHEM 105, Chemistry of Life, or consent of the instructor. 0800-1215, MTWRF. RCTR-122. A. Alexander

### BIOL 205 Human Anatomy and Physiology (4)

Term II: June 25-July 20

Identical in content to the Fall semester BIOL 205 class. Lecture topics include: matter; cells and tissues; nervous, endocrine, skeletal, and muscular systems. Laboratory includes: human skeletal system; cat dissection; experiments in muscle physiology and human reflexes; special senses. Required for nursing and physical education curricula. Can be used to satisfy PLU biology major requirements, or a PLU general university science requirement. No prerequisite. For further information, contact Tom Carlson, (206) 535-7549. 0800-1045, MTWR\*. \*Lab, TWR, 11:30-2:30 pm RCTR-115. J. Lerum/T. Carlson

### BIOL 206 Human Anatomy and Physiology (4)

Term III: July 30-August 24

Continuing class from BIOL 205,

Human Anatomy and Physiology, or can be taken independently if prerequisite is met. Identical in content to the Spring Semester BIOL 206 class. Lecture topics include: circulatory, respiratory, digestive, excretory, and reproductive systems; metabolism; temperature regulation; stress, human development. Laboratory includes: cat dissection; physiology experiments; study of developing organisms. Prerequisite: BIOL 205, Human Anatomy and Physiology or equivalent. For further information, contact Tom Carlson, (206) 535-7549. 0800-1045, MTWR\*. \*Lab, TWR, 11:30 am-2:30 pm RCTR-115. T. Carlson/J. Lerum

### BIOL 351 Natural History of the Pacific Northwest (4)

Term II: June 25-July 20

An introduction to the natural history and literature of the Pacific Northwest: geology, climatology, oceanography, ecology, common life forms, and human impact from the Continental Shelf to the Columbia Basin. Includes one day field trips to Puget Sound and the Cascades, as well as three day trips to the Olympic Peninsula (June 29-July 1) and to the Columbia Gorge and Basin (July 12-14). Scholarships may be available to Washington State teachers. Travel fee: \$30. For more information contact Dr. R. McGinnis, (206) 535-7570. 0930-1700, MTWRF. RCTR-124. R. McGinnis

### BIOL 370 Biotechnology: Principles, Applications and Social Issues (4)

Term III: July 30-August 24

An introduction to the rapidly developing applied science, biotechnology. Topics range from traditional food fermentations to the controversial medical and agricultural applications of gene cloning. Emphasis is on basic science principles, and the impact of biotechnologies upon society. Format includes lectures, videotape segments, laboratory experiments, demonstrations, tutorials,

and excursions. Aimed at the interested lay person and teachers (elementary or secondary) seeking to update their knowledge and skills. For more information, contact David Kerk (206) 535-7537. Prerequisite: One course in general biology or consent of instructor. 0800-1215, MTWRF. RCTR-136. D. Kerk

### **BIOL 502** **Advanced Placement** **Institute: Biology (2)**

Term WW: July 23-July 27

An institute designed for high school teachers preparing to offer Advanced Placement Biology. The institute addresses content for an advanced placement course, the advanced placement test, review of text materials, and an overview of typical college general biology courses designed for potential biology majors. A major emphasis is laboratory exercises; participants carry out exercises suitable for Advanced Placement Biology courses. The institute is conducted by college faculty with experience teaching general biology, and by high school teachers who currently offer Advanced Placement courses. For further information, contact Tom Carlson (206) 535-7549. 0900-1600, MTWRF. RCTR-115. T. Carlson

## **BUSINESS** **ADMINIS-** **TRATION**

*Eligibility cards are required for all business classes. Contact the School of Business Administration at 535-7244 to obtain one.*

### **BUSA 230** **Law and Society (4)**

Term I: May 29-June 21

A study of the American legal system

and the legal relationships among the natural environment, individuals, groups, business organizations, governmental agencies, and the judicial system. Current business and social problems are addressed from a global perspective with an emphasis on business ethics and social responsibility. Prerequisite: Sophomore standing. 0900-1215, MTWR. ADMN-215. B. Ahna

### **BUSA 281** **Financial Accounting (4)**

Term I: May 29-June 21

An introduction to accounting concepts and principles. Valuation theories in the U.S. compared to those in other nations. Preparation (manual and computer) and analysis of financial reports. Prerequisite: Sophomore standing. 0900-1215, MTWR. ADMN-217. J. Ramaglia

### **BUSA 282** **Managerial Accounting (4)**

Term II: June 25-July 19

Introduction to the use of accounting data in planning, control, and decision making. Topics include cost-volume-profit relationships, cost accounting methods, management accounting systems and budgeting; spreadsheet applications; international applications of performance evaluation systems. Prerequisites: BUSA 281, Financial Accounting; MATH 128, Mathematics for Business and the Behavioral Sciences; CSCI 220, Computerized Information Systems with BASIC; Sophomore standing. 0900-1215, MTWR. ADMN-217. L. Hegstad

### **BUSA 350** **Management (4)**

Term I: May 29-June 21

A critical examination of the principles and processes of administration in an increasingly international context. Management techniques and the functions of planning, organizing, leading

and directing, and controlling are discussed from the classical, behavioral, and more recent integrative points of view. Includes the study of concepts and characteristics related specifically to the operations function. Introduction to case analysis and problem solving techniques. Prerequisites: ECON 150, Principles of Economics; STAT 231, Introductory Statistics (may be concurrent); BUSA 281, Financial Accounting; Junior standing. 0900-1215, MTWR. ADMN-219. V. Sumner

### **BUSA 354** **Human Resource** **Management (4)**

Term II: June 25-July 18

Detailed examination of the behavior of individuals and groups in business organizations, with emphasis on policies and practices for solving problems. Fundamentals of personnel/human resource procedures in the U.S. and other countries. International aspects of human resource management provide insight into the problems of managing foreign operations. Prerequisites: BUSA 281, Financial Accounting; BUSA 350, Management; ECON 150, Principles of Economics; STAT 231, Introductory Statistics; Junior standing. 0800-1215, MTW. ADMN-215. S. Cook

### **BUSA 364** **Managerial Finance (4)**

Term I: May 29-June 21

Introduction to the principal problems, theories and procedures of financial management: valuation, financial planning, financial statement analysis, capital asset acquisition, cost of capital, financing strategies (including capital structure theory and dividend policy), management of working capital accounts, and financial dimensions of international trade (including foreign exchange risk, country risk, translation gains and losses). Prerequisites: CSCI 220, Computerized Information Systems with BASIC (or equivalent); ECON 150, Principles of Economics; MATH 128, Mathematics for Business and the Behavioral Sciences (or equivalent); STAT 231, Introductory Statistics; BUSA 281,



Financial Accounting; Junior standing. 0900-1215, MTWR. ADMN-221. S. Bancroft

## **BUSA 370** **Marketing Systems (4)**

Term I: May 29-June 21

The flows of goods and services in the U.S. and global economies; economic and behavioral approaches to the analysis of domestic and international demand; the role of marketing functions in business and not-for-profit organizations. Determination of a marketing mix: product policy, pricing, channels and physical distribution, and marketing communications. Prerequisites: ECON 150, Principles of Economics; MATH 128, Mathematics for Business and the Behavioral Sciences (or equivalent); STAT 231, Introductory Statistics; BUSA 281, Financial Accounting; Junior standing. 1330-1645, MTWR. ADMN-215. S. Thrasher

## **BUSA 455 01** **Business Policy (4)**

Term I: May 29-June 21

Study of organizational administration from top management perspective. Formulation and execution of strategies and policies to integrate all management and business functions in support of organizational objectives. 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. Includes comprehensive case analyses. Prerequisites: BUSA 281, Financial Accounting; BUSA 282, Management Accounting; BUSA 350, Management; BUSA 354, Human Resources Management; BUSA 364, Managerial Finance; BUSA 370, Systems; MATH 128, Math for Business and the Behavioral Sciences; CSCI 220, Computerized Information Systems with BASIC; ECON 150, Principles of Economics; STAT 231, Introductory Statistics; Senior standing. 0900-1215, MTWR. ADMN-223. W. Yager

## **BUSA 455 02** **Business Policy (4)**

Term II: June 25-July 19

See description under BUSA 455 01, above. 1300-1615, MTWR. ADMN-219. G. Waters

## **BUSA 483** **Income Taxation (4)**

Term I: May 29-June 21

Comprehensive study of income tax concepts, regulations, and tax planning principles. Emphasis on individual and business income taxation. Prerequisite: BUSA 281, Financial Accounting. 0900-1215, MTWR. ADMN-213. J. Sumner

## **BUSA 490** **Europe: Business, Politics and Culture (4)**

May 28-July 8

First-hand introduction to some of the economic and political developments taking place today in Europe. These developments are shaping the global business environment for the next decade and beyond. Included on the tour are visits with U.S. and foreign-owned businesses in the European Community (EC) and EFTA countries as well as trips to selected Eastern European cities. Preliminary plans call for stops in Great Britain, France, Germany, Austria, Hungary, Sweden, Norway, and Denmark. Fees include air and rail transportation, hotels with breakfasts, transfers and some additional items. Five weeks in Europe, departing Seattle on Sunday, May 27, and returning approximately July 5. Estimated basic tour cost is \$2,800 plus \$380 for tuition. TBA. D. McNabb

## **BUSA 520** **Programming for Managers (4)**

Term MBA: June 4-July 25

Computer programming including

branching, looping, subscripts, input/output, character manipulation, subroutines. file manipulations, data storage and retrieval. Advanced work with software packages. Prerequisite: BUSA 505, Management Use of Computers. Tuition: \$297 per semester hour. 1800-2130, MW. ADMN-213. E. Harter

## **BUSA 550** **Organizational Behavior and Environment (4)**

Term MBA: June 4-July 25

The study of open sociotechnical systems within which a manager must operate. Three major perspectives are encompassed: The external organization environment, including legal, ethical, social, economic, political, and international influences; the organization itself as an entity; and the internal organization environment. Comparisons with administrative practices in other countries and cultures. Prerequisite: BUSA 502, Fundamentals of Management and Marketing. Tuition: \$297 per semester hour. 1800-2130, MW. ADMN-223. C. Schultz

## **BUSA 555** **Business Strategy and Policy (4)**

Term MBA: June 4-July 25

An integrated management approach based on decision-making analysis in complex cases and comprehensive field situations. Advanced readings and library research integrate concepts of management and business functions including consideration of legal, social, and international aspects of the business environment. Prerequisites: BUSA 551, Operations Management Seminar; BUSA 564, Financial Management Seminar; BUSA 570, Marketing Management Seminar, any one of which may be taken concurrently with 555. Tuition: \$297 per semester hour. 1800-2130, MW. ADMN-219. G. Waters

**T**he mixture of different ethnic groups makes classes more interesting as a result of different ideas and thoughts from the students. PLU is a good place to develop good relationships with other students and professors.

-- Parichat Changraksa,  
BA Business, '90



### **BUSA 582** **Accounting Information** **and Control (4)**

Term MBA: June 5-July 24

Applications of accounting information, services and systems to management problems. Impact on decision making by international accounting practices. Prerequisites: BUSA 501, Fundamentals of Accounting and Finance; BUSA 505, Management Use of Computers. Tuition: \$297 per semester hour.

1800-2130, TR. ADMN-217. L. Hegstad

### **BUSA 590 01** **Seminar: International** **Marketing (4)**

Term MBA: June 5-July 24

Marketing program development in an international context. Evaluation of the potential and entry-method(s) of non-domestic markets. Institutions and procedures used in generating overseas trade. Prerequisite: BUSA 502, Fundamentals of Management and Marketing. Tuition: \$297 per semester hour.

1800-2130, TR. ADMN-215. S. Thrasher

### **BUSA 590 02** **Seminar: Executive Com-** **munications (4)**

Term MBA: June 4-July 25

Examination and practice of communication theories, techniques, strategies and skills essential for success in business. Major topics include oral and written presentations, interpersonal communications, negotiations, conflict management, group processes and cross-cultural communications. Tuition: \$297 per semester hour.

1800-2130, MW. ADMN-215. E. Reynolds

### **ECON 500\*** **Applied Statistical** **Analysis (4)**

Term MBA: June 5-July 12

Listed here for convenience of business students, who have not previously taken Introductory Statistics. See page 16 for description. Eligibility card required, contact the School of Business Administration at 535-7244 to obtain one. Tuition: \$297 per semester hour.

1800-2200, TR. ADMN-204A. R. Jensen

## **CHEMISTRY**

### **CHEM 104** **Environmental** **Chemistry (4)**

Term I: May 29-June 21

Basic principles of chemical structures and reactions and practical applications; overview of chemistry and its impact on society; scientific method; problem solving skills; current topics in environmental and consumer chemistry (e.g., polymers, toxic materials, radioactivity, pollution, food additives, cosmetics and drugs). Preparatory to CHEM 105, Chemistry of Life, or CHEM 115, General Chemistry for those lacking high school chemistry. Meets general university core requirements.

0800-1045, MTWR, RCTR-224. Lab TR, 1300-1600, RCTR-201. W. Giddings

### **CHEM 105** **Chemistry of Life (4)**

Term II: June 25-July 19

General, organic, and biochemistry pertinent to chemical processes in the human organism; suitable for liberal arts students, and prospective teachers. Meets general university requirements.

Students who have not completed high school chemistry are encouraged to take CHEM 104 before taking CHEM 105. 0930-1215, MTWR, RCTR-224. Lab TR, 1300-1530, RCTR-201. C. Anderson



## CHEM 321 Analytical Chemistry (4)

Term III: July 30-August 23

Chemical methods of quantitative analysis, including volumetric, gravimetric, and selected instrumental methods. Prerequisites: CHEM 116, General Chemistry; MATH 133, College Algebra and Trigonometry. 0800-1045, MTWR, RCTR-224. Lab MTWR, 1300-1600, RCTR-201. L. Huestis

## CLASSICS

### §CLAS 150A01 Living Languages: English Vocabulary from Latin & Greek (2)

Term I: May 29 - June 22

Improve your vocabulary to prepare for further reading, research and placement exams. This course examines the influence of classical languages on English, and concentrates on the etymological and current meaning of Latin and Greek elements in modern English vocabulary and scientific terminology. NO prior knowledge of Latin or Greek is necessary. Students may enroll for either Classics 150A or 150B, or both. 1100-1215, MTWRF. Admin-216. E. Nelson

### §CLAS 150B02 Living Languages: English Vocabulary from Latin & Greek (2)

Term II: June 25-July 20

See description under CLAS 150A01, above. 1100-1215. MTWRF. ADMN-216. E. Nelson

## COMMUNICATION ARTS

### COMA 324 Workshop in Nonverbal Communication (2)

June 4-June 8

Focus on the nonverbal aspects of communication. Designed to increase sensitivity to messages sent and received through the many nonverbal elements in the environment. How does the room arrangement effect mood, does color really make a difference, can clothes make the man (or woman), and other related questions. 0900-1600, MTWRF. INGR-116. G. Wilson

### COMA 326 Group Communication (4)

Term SE I: May 30-July 25

This course focuses on the nature of communication in group structures. Examine how communication influences the dynamics of group organization, and consider how communication can shape, alter, or improve group processes. Examine the role played by conflict, and discuss communication methods for managing group problems. Students in this course participate in theoretical discussion and practical application. Read and discuss current research explaining group processes and dynamics, and apply the theories in practical contexts to a variety of group cases. 1830-2130, MW. INGR-109. E. Inch

### COMA 328 Argumentation (4)

Term I: May 29-June 22

People argue about many things in many contexts. We use arguments in personal and public decision-making. We argue in a variety of ways ranging from formal debate to informal wran-

gling about sports. Argumentation examines the theories, methods, and contexts of arguing. This course combines lecture, discussion and practical applications of argument, and is an appropriate class for anyone wishing to know more about arguing and how to be a better consumer of argument. 1400-1645, MTWRF. INGR-109. E. Inch

### COMA 367/467\* Scene Workshop (4)

Term SE I: May 29-July 26

Gain hands-on experience in all facets of technical and artistic aspects of theater production, lighting, painting, rigging and sound. The learning experience centers on a workshop format building sets for the Centennial Opera scheduled to be performed during Interim 1991. Other aspects of production and design, such as stage photography, are addressed. Everyone is welcome; your skill level is secondary to your desire. \*May also be taken as ARTD 367/367, see page 8. 1830-2130, TR. EAUD-122. D. West/B. Frehse

### COMA 447 Theatre Northwest (2)

Term WW: July 23-July 27

The Northwest and Seattle in particular has an abundance of rich experience available in professional and semi-professional theatre. Become more aware of these opportunities and more knowledgeable theatre goers — where to go, what to expect, and how to view the wide variety of plays to be discovered. Attend and discuss five plays, tour a theater and hold discussions with actors and theater staff. Students review one of the plays viewed and compare their critiques with those of professional reviewers. There will be a final response paper. Class members should be prepared to buy five play tickets and share in the cost of van transportation. Tickets will be at reduced group rate; transportation fee will not exceed \$15 for all performances. Times TBA, MTWRF. MGYM-202. W. Parker

### COMA 450 Public Speaking Workshop (2)

June 25-June 29

Designed to enhance public speaking skills. Covers audience analysis, topic selection, organization of ideas, types of speeches, using visual aids, and delivery. Designed to provide techniques for those who find themselves in a speaking situation, but feeling very uncomfortable, as well as those who wish to gain greater confidence in presentation of their ideas. No prerequisite.  
0900-1600, MTWRF. INGR-109. G. Wilson

### COMA 458 Creative Dramatics (4)

Term II: June 25-July 20

Designed to acquaint the student with materials, techniques, and theories of creative dramatics. Students design and participate in creative dramatics activities. Intended for elementary and junior high school teachers or prospective teachers, theatre majors, religious leaders, youth and camp counselors, day care workers, social and psychological workers, and community theatre leaders interested in working with children.  
0930-1215, MTWRF. MGYM-205 (Theatre Room). W. Parker

## COMPUTER SCIENCE

(See Math also)

### CSCI 110 BASIC (2)

Term I: May 29-June 22

Introduction to interactive computing, branching, looping, subscripts, functions, input/output, and subroutines in the

context of the BASIC language. CSCI 110 and 220 may not both be taken for credit. Prerequisite: High School Algebra.  
0930-1045, MTWRF. RCTR-221. C. Dorner

### CSCI 144 Introduction to Computer Science (Pascal) (4)

Term MBA: June 4-July 13

An introduction to computer science including algorithm design, structured programming, numerical/non-numerical applications and use of data files. Pascal programming language is used. Prerequisites: Either MATH 140, Functions and Analytic Geometry; or MATH 128 Mathematics for Business and the Behavioral Sciences; (or equivalent).  
0830-1015, MTWRF. MGYM-101. J. Brink

### CSCI 210 Computerized Information Systems (2)

Term II: June 25-July 20

Computer Systems and their use, spreadsheet2; and file management using existing software packages on IBM PCs. CSCI 210 and 220 cannot both be taken for credit. Prerequisite or Corequisite: MATH 128, Math for Business and the Behavioral Sciences; or MATH 140, Functions.  
1100-1215, MTWRF. RCTR-221. Staff

### CSCI 270 Data Structures (4)

Term MBA II: July 16-August 24

Continuation of Pascal programming techniques, and a study of basic data structures including linked lists, tree, queues, stacks and graphs. Applications of these forms to sorting, searching and data storage is made. Prerequisite: CSCI 144, Introduction to Computer Science  
0830-1015, MTWRF. MGYM-102. G. Hauser

### CSCI 490/590 Neural Networking (4)

May 29-June 29

The course introduces students to the recent advances made in the development of artificial neural structures. It covers both the theory and the operation of neural computing systems. Topics include: neural structures in the brain; models of neural systems, implementation of associative memories using artificial neurons, and the design of neuron-based learning systems. Uses an IBM PC neural network simulator for class assignments. No prior background in artificial intelligence or electronics is assumed. Students registered for 590 do an extra project. Prerequisite: CSCI 270, Data Structures.  
0800-1000, MTWRF. MGYM-103. R. Spillman

### CSCI 502 01\* Appleworks for Teachers (2)

June 25-July 6

Designed to help teachers develop a high level of proficiency with one of the most popular computer software packages used in educational settings . . . Appleworks. Teachers are introduced to the concepts and use of a word processor, spreadsheet and database with the Appleworks integrated software package. Two major areas of emphasis are stressed; the use of Appleworks as a teacher tool, for example, classroom record keeping, gradebook and educational materials production, and the use of the Appleworks program as part of the classroom curriculum. No prior computer experience is necessary. \*May also be taken as EDUC 502 01, see page 19. Does not count toward Computer Science degrees.  
0900-1200, MTWRF. RAMS-204. J. Beaulieu

### CSCI 502 02\* Appleworks for Teachers (2)

July 9-July 20

See description above. \*May also be



taken as EDUC 502 02, see page 19.  
Does not count toward Computer Science degrees.  
0900-1200, MTWRF. RAMS-204. J. Beaulieu

### CSCI 504\* Advanced Appleworks (2)

July 30-August 10

Topics include an extensive study of the database package, mail merge, transfer of data between a database, spreadsheet and word processor. Other topics include Macros, printer codes, printer drivers, and interface card settings. \*May also be taken as EDUC 503W20, see page 21. Does not count toward Computer Science degrees. Prerequisite: CSCI 502/EDUC 502, Appleworks for Teachers; or a good knowledge of AppleWorks Word Processing and Spreadsheet programs (with instructor's permission).  
1300-1600, MTWRF. RAMS-204. J. Turner

### CSCI 505\* Computers in the Language Arts Curriculum (2)

July 9-July 20

This course examines ways in which the computer can be used to enhance the K-12 language arts curriculum. Topics include: grade-appropriate keyboarding and word processing skills and software, current language arts software, activities in telecommunications, desktop publishing, LogoWriter, and other computer-assisted curricular materials. \*May also be taken as EDUC 503U18, see page 21.  
1730-2030, MTWRF. RAMS-204. T. Lamas

### CSCI 506\* Data Base and Telecommunications in the Classroom (2)

July 30-August 10

Examines the use of database packages to teach some aspects of problem solving strategies and student research skills in the K-12 curriculum.

Topics include: principles of database programs, learning to use two different database programs, AppleWorks and Fredbase; sources of educational databases which can be used in the curriculum, strategies of teaching database and research skills to students; the use of telecommunications to access professional educational databases; and the potential of telecommunications for new curricular directions in the classroom. \*May also be taken as EDUC 503V19, see page 21. Does not count toward Computer Science degrees. Prerequisite: CSCI 502/EDUC 502, Appleworks for Teachers; or EDUC 503, Microcomputers in the Classroom; or equivalent experience and permission of the instructor.  
0900-1200, MTWRF. RAMS-204. J. Beaulieu

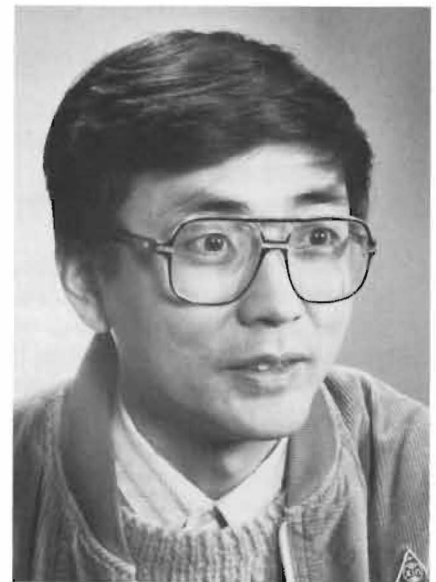
### CSCI 507\* Computer Technology and the Teaching of Problem Solving (2)

August 13-August 24

This course examines the use of the computer to present new approaches to the teaching of problem solving skills throughout the curriculum. Topics include theories of teaching problem solving, integrating the computer into the teaching of problem solving, software designed to promote problem solving skills, curricula which incorporate the computer into the teaching of problem solving and methods of evaluation. \*May also be taken as EDUC 503X21, see page 21. Does not count toward Computer Science degrees. Prerequisite: CSCI 502/EDUC 502, Appleworks for Teachers; or EDUC 503, Microcomputers in the Classroom; or equivalent experience and permission of the instructor.  
0900-1200, MTWRF. RAMS-204 J. Beaulieu

*I think summer courses are very suitable for some people because they enable a student to concentrate on one subject at a time. The quality of classes is the same as during the fall or spring.*

*-- Li Wang, BA Computer Science, '90*



### **CSCI 508\*** **Advanced Computers in Special Education (2)**

August 13-August 24

A detailed examination of using computers to manage IEPs, test results and required compliance data. The first part of the course is a detailed examination of the AWARE program, a special education data management system designed around the Appleworks word processor and database programs. The course also includes the examination of adaptive devices for the handicapped. Emphasis is on the Adaptive Firmware Card, the Unicorn expanded keyboard and talking word processors. \*May also be taken as SPED 501, see page 25.

Does not count toward Computer Science degrees. Prerequisite: SPED 494, Computer Applications for the Handicapped; or EDUC 502/CSCI 502, Appleworks for Teachers. EDUC 504, Advanced Appleworks, is strongly recommended.

1300-1600, MTWRF. RAMS-204. J. Beaulieu

### **CSCI 509\*** **Computers in the Math Curriculum (2)**

July 30-August 10

This course is designed to introduce teachers to the use of the computer in the mathematics curriculum at both the elementary and secondary levels. Topics include computer mathematics packages, Logo, problem solving software, mathematics software for individual and group settings, spreadsheets, and computers and interactive video disks in the mathematics curriculum. This course will also examine software appropriate for at risk and remedial students. \*May also be taken as EDUC 503F06, see page 20.

1730-2030, MTWRF. RAMS-204. J. Turner

### **CSCI 551** **Advanced Placement Institute: Computer Science (Pascal) (2)**

Term WW: July 23-July 27

The Advanced Placement Computer Science summer institute is a one-week intensive workshop for high school teachers of AP computer science courses. The institute consists of general sessions for all participants and special sections for advanced AP teachers and beginning AP teachers. The general sessions cover the following topics: 1) teaching Pascal, problem solving and program design with system analysis and software engineering techniques; 2) an examination of the new AP curriculum; 3) a brief introduction to other structured languages, C and Modulo 2; 4) alternative to Apple Pascal; 5) a brainstorming and sharing session with other teachers of AP courses. The advanced section examines strategies for teaching recursion and analysis of algorithm complexity. The beginning section introduces recursion, pointers, trees, stacks, queues and other data structures taught in the AP course. Prerequisite: One college-level Pascal course or comparable experience with consent of instructor.

0900-1600, MTWRF. RAMS-204. J. Beaulieu

## **EARTH SCIENCE**

### **ESCI 131** **Physical Geology (4)**

Term I: May 29-June 22

An introductory course dealing with the human geologic habitat, both at present and as it has developed through time; materials of the earth's crust, its derivation through major earth processes and formation of surface features — with emphasis on its significance to cultural development and civilization; laboratory

study of rocks, minerals, and geologic mapping; field trips are arranged. Open lab afternoons.

0800-1150, MTWRF. RCTR-109. S. Benham

### **ESCI 202** **Oceanography (4)**

Term II: June 25-July 20

Oceanography and its relationship to field, physical, chemical, biological, climatic and geological aspects of the sea. Pacific Northwest coastal processes are stressed, field trips, with one weekend field trip required. Labs included.

0800-1150, MTWRF. RCTR-109. J. Whitman

### **ESCI 222** **Conservation of Natural Resources (4)**

Term I: May 30-July 20

Principles and problems of public and private stewardship of our resources with special reference to the Pacific Northwest.

1800-2000, MW. RCTR-109. S. Benham

### **ESCI 425** **Geological Field Mapping (5)**

Term III: July 23-August 24

Learn mapping techniques, basic surveying methods, construction of geologic cross sections, aerial photograph analysis. Field studies include Puget Sound, Cascade Mountains and Columbia River Basalt Plateau. Designed for undergraduate Earth Science majors; graduate students without prior summer field camp experience welcome. Bring sleeping bag, towels, toiletries, etc. Non-refundable registration fee of \$25 is fully applicable toward tuition. Food and lodging costs for five weeks are \$450. For itinerary and further details, write: Pacific Lutheran University, Dept. of Earth Sciences, Tacoma WA 98447. 0800-1700, MTWRF. RCTR-108. B. Lowes



# ECONOMICS

## ECON 150 Principles of Economics (4)

Term I: May 29-June 22  
Introduction to the scope of economics, including Macro and Micro Economics; analysis of U.S. economic system; emphasis on current economic policy. 0930-1215, MTWRF. ADMN-200. D. Wentworth

## STAT 231\* Introductory Statistics (4)

Term I: May 29-June 22  
\*Available for STAT credit only, listed here for convenience of students. See page 51 for course description. 0800-1045, MTWRF. ADMN-204A. R. Jensen

## ECON 321 Labor Economics (4)

Term I: May 29-June 22  
Analysis of labor markets and labor market issues; wage determination; investment in human capital, unionism and collective bargaining; discrimination; labor mobility, earnings inequality, and unemployment. Prerequisite: ECON 150, Principles of Economics. 1230-1515, MTWRF. ADMN-206. N. Peterson

## ECON 361 Money and Banking (4)

Term I: May 29-June 22  
The nature and role of money; monetary theory; tools and implementation of monetary policy; regulation of intermediaries; banking activity in financial markets; international consequences of and constraints on monetary policy. Prerequisite: ECON 150, Principles of Economics. 0930-1215, MTWRF. ADMN-211. E. Ankrim

## ECON 500 Applied Statistical Analysis (4)

Term MBA: June 5-July 12  
Intensive introduction to statistical methods for graduate students who have not previously taken Introductory Statistics. Emphasis on applications of inferential methods. Topics include measures of location and variation, probability, estimation, significance tests, and regression. Will not count for Statistics Minor. Tally card required, contact the School of Business at 535-7244 to obtain one. Tuition: \$297 per semester hour. 1800-2200, TR. ADMN-204A. R. Jensen

# EDUCATION

## EDUC 325/524 Reading in the 90s K-8 (4)

Term III: July 30-August 24  
Develop a deeper understanding of the reading process. Special focus is on the most recent research and practices in the teaching for elementary school reading. Basal reading instruction enhanced with whole language methods is a key component of the course. Current methods to assess reading ability are examined. The latest theories on vocabulary development reading comprehension are studied. All the strategies, techniques, and activities serve as instructional models for any reading program at any elementary grade level. Prerequisite: General Methods, Educ 325; teaching experience or consent of the instructor. 0930-1215, MTWRF. ADMN-206. A. Mallon

## EDUC 408/508 Current Trends for Language Arts (Elementary) (2)

Term II: June 25-July 20  
Students actively participate in the

study of children's language exploring both oral and written expression. Specific areas covered include: thinking, listening, speaking, reading, children's literature, drama, the writing process, developmental spelling, and handwriting. Special emphasis is given to current holistic instructional trends and the integration of language processes throughout the curriculum. Prerequisite: teaching experience or consent of the instructor. 0800-0915, MTWRF. ADMN-204A. J. Lewis

## EDUC 410 Science and Health in the Elementary School K-8 (2)

Term I: May 29-June 22  
Experienced teachers will have an opportunity to explore current approaches to teaching science and health as a part of the total curriculum. 1300-1500, MTWRF. RCTR-102. M. Churney

## EDUC 412/512 Current Issues in Social Studies K-8 (2)

Term II: June 25-July 20  
This course assists teachers in reclarifying the content and processes approach for elementary social studies programs. Emphasis is on the integration of social studies into other areas of curriculum. Prerequisite: teaching experience or consent of the instructor. 0930-1045, MTWRF. ADMN-117. D. Sydnor

## EDUC 420 Problems of Reading in the Secondary School (2)

Term III: July 30-August 24  
Teaching secondary reading in the content areas; attention to developmental reading problems; materials, methods, techniques and procedures. Prerequisite: EDUC 251, Learner and Society: Growth and Development (Secondary) . 0930-1045, MTWRF. ADMN-213. J. Hays

### **EDUC 421** **Teachers and the Law (1)**

Term I: May 29-June 7

A brief study of students', parents', and teachers' rights and responsibilities with some emphasis on the question of liability.

1600-1750, MTWR. ADMN-117. C. DeBower

### **EDUC 451** **Administration of the School Library (2)**

Term II: June 25-July 20

Library organization and administration in elementary and secondary schools.

1100-1215, MTWRF. LIBR-106. M. Baldwin

### **EDUC 452** **Basic Reference Materials (2)**

Term I: May 29-June 22

Resources and procedures which support information services in elementary and secondary school library media centers form the focus of this course. Investigation of print and electronic information tools used in K-12 programs, including on-line and CD-ROM resources, and field visits to major Puget Sound libraries are included. \*Also meets Saturday, June 9, 9 am-4 pm.

1600-1900, TR\*. LIBR-106. C. Yetter

### **EDUC 453** **Processing School Library Materials (2)**

Term II: June 25-July 20

Classification, cataloging, and technical processing of materials.

0800-0915, MTWRF. ADMN-221. R. Sherman-Peterson

### **EDUC 454** **Selection of Learning Resource Materials (2)**

Term I: May 29-June 20

Criteria, professional literature, and techniques of evaluation of print, non-print, and computer-related materials in school library media centers. Community analysis techniques, intellectual freedom issues, and collection development strategies form the major focus of this course. \*Also meets Saturday, June 2, 9 am-4 pm.

1600-1900, MW\*. LIBR-106. C. Yetter

### **EDUC 456** **Storytelling (2)**

Term III: July 30-August 22

Exploration of the art of storytelling, from finding the right story to using storytelling to enliven classroom instruction. Examination of the kinds of stories most appropriate for telling. Practice in learning and telling a variety of stories. Imagination-stretching exercises for use both by teachers and students. Appropriate for elementary and secondary teachers.

1230-1630, MW. ADMN-215. C. Wellner

### **EDUC 457** **The Arts, Media and Technology (2)**

Term I: May 29-June 22

Students use a variety of techniques, equipment, and materials to explore ways of seeing and expressing how they see and experience their environment and explore ways of incorporating these techniques into the classroom. Computers, video cameras, book-production, models, animation, cartoons, photography, and posters along with the standard fare of tape recorders, slide shows, movies, film strips, and overheads are manipulated as media to creatively express a view of the world. K-12. Fee: \$20

1530-1700, MTWRF. LIBR-Media. M. Churney

### **EDUC 473** **Parent-Teacher Relationships (2)**

Term II: June 25-July 20

Issues and skills important in conferencing and parent-teacher relationships. Emphasis on effective communication skills. Special education majors and teachers examine relevant placement processes and parent needs. 1400-1515, MTWRF. ADMN-217. B. Neufeld

### **EDUC 479** **Special Techniques in Reading (4)**

Term II: June 25-July 20

Individual diagnostic assessment of reading problems using both formal and informal testing techniques. Special instructional methods for remediation for children with reading difficulties. Practicum required. Prerequisite: EDUC 325, Reading in the Elementary school, or equivalent.

0800-1045, MTWRF. ADMN-208. J. Hays

### **EDUC 483** **Primary Reading (2)**

Term II: June 25-July 20

Methods and materials that emphasize a developmental perspective of early/emerging literacy teaching and learning. Current theory into practice includes a focus on the parallels between oral language acquisition and literacy teaching/learning, the use of children's literature, the creation of literate classroom environments, and the integration of reading, writing, listening, and speaking across the curriculum. Prerequisite: teaching experience or concurrent with student teaching.

1100-1215, MTWRF. ADMN-200. J. Lewis

## **EDUC 485\*** **The Gifted Child (2)**

Term WW: July 23-July 27

A study of the gifted child, characteristics and problems, and school procedures designed to further development.

\*May also be taken as SPED 485, see page 25.

0800-1600, MTWRF. ADMN-208. A. Botkin

## **EDUC 501A01** **Cooperative Learning and Interactive Teaching (2)**

Term III: July 30-August 24

Introduces basic techniques of cooperative learning and provides a variety of interactive strategies with students and subject matter. Explores early team building activities, positive interdependence, social/collaborative skills, group roles, teacher's roles, debriefing, restructuring curriculum, and teacher support groups.

1400-1515, MTWRF. ADMN-117. S. Turnpaugh

## **EDUC 501B02** **Integrating Learning Styles and Brain Research in the Classroom (2)**

Term III: July 30-August 24

Provides knowledge about learning styles and current brain research that can help increase student achievement and decrease negative behavior. Cooperative groups will focus on implementing McCarthy's 4MAT system while participants examine implications for self-awareness, teaching styles, and instructional design.

1230-1345, MTWRF. ADMN-117. S. Turnpaugh

## **EDUC 501C03** **Children's Literature in the K-8 Curriculum (2)**

Term III: July 30-August 23

Participants read and discuss genres of contemporary children's literature and

develop a personal repertoire for classroom use. Possibilities for the integration of literature as curricular text to enhance/extend K-8 curriculum will be explored. Strategies include the use of literature circles, writing, and fiction and non-fiction in the content areas.  
1230-1630, TR. ADMN-213. J. Lewis

## **EDUC 502 01\*** **Appleworks for Teachers (2)**

Term II: June 25-July 6

May also be taken as CSCI 502 01, see page 14 for description.

0900-1200, MTWRF. RAMS-204. J. Beaulieu

## **EDUC 502 02\*** **Appleworks for Teachers (2)**

Term III: July 9-July 20

May also be taken as CSCI 502 02, see page 14 for description.

0900-1200, MTWRF. RAMS-204. J. Beaulieu

## **EDUC 503A01** **Teaching Math Successfully in the 90s (K-8) (2)**

Term I: May 29-June 21

This workshop focuses on SPI Guidelines for Elementary School Mathematics in Washington State. All six strands are studied with special emphasis on computation skill development through the MUMS (Mathematics Unit Management System) project used in selected Clover Park Schools and elsewhere. The workshop may be substituted for EDUC 326 when necessary. Pass/Fail only.

1900-2145, MTR. ADMN-117. C. DeBower

**T**he combination of student commitment, motivation, and dedication to learning makes Summer special to me -- as a veteran of more than 15 years, it's still deeply rewarding to work intensively with students who care so much about learning to be the best school librarians!

-- Cathy Yetter, Assistant Professor, School of Education





### EDUC 503B02\* Stress in Children and Adolescents (2)

Term I: May 30-June 20

An overview of childhood and adolescent stress. Topics include intervention strategies, self-esteem, adolescent suicide, eating disorders, relaxation techniques, visual imagery, problem solving techniques, goal setting, and prevention. \*May also be taken as SPED 503, see page 36.

1800-2100, MW. ECAM-13. K. Gerlach

### EDUC 503C03 Teaching Math: Coopera- tive Learning, Manipula- tives and Problem Solving K-8 (2)

Term II: June 25-July 19

Three major thrusts in improving the teaching of mathematics, integrated through practical examples from grades one through eight. Pass/Fail only. 1230-1420, MTWR. ADMN-117. C. DeBower

### EDUC 503D04 Media for Librarians (2)

Term II: June 25-July 20

This class provides librarians with an opportunity to acquaint themselves with media equipment and materials used in school libraries and media centers. 1530-1700, MTWRF. LIBR-Media. M. Churney

### EDUC 503E05 Creating a Positive and Productive Classroom Climate (2)

Term II: June 25-July 20

A workshop for elementary teachers interested in developing strategies for creating a classroom climate conducive for learning and social development. Topics include research on school effectiveness, teacher expectations, teacher

modeling, and classroom management systems.

1400-1515, MTWRF. ADMN-117. D. Sydnor

### EDUC 503F06\* Computers in the Math Curriculum (2)

July 30-August 10

\*May also be taken as CSCI 509, see page 16 for description.

1730-2030, MTWRF. RAMS-204. J. Beaulieu

### EDUC 503G07 Scandinavian-American Literature & Culture for Educators (1)

Term II: July 2-July 6

A week-long lecture series on Scandinavian-American literature, history, and arts with special emphasis on the immigrant writer Ole Rolvaag. His novel *Giants in the Earth* is perhaps the best account ever written about life among the settlers on the American prairie. Includes special sessions to discuss classroom application of materials presented. 1000-2000, MTRF. ADMN-204B. A. Toven

### EDUC 503H08 Exploring Non-fiction Literature Across the Elementary Curriculum (2)

July 9-July 13

Dr. Beverly Kobrin, author of *Eyeopeners: How to Choose and Use Children's Books about Real People, Places, and Things* and editor of *Kobrin Newsletter* presents a week-long, in-depth workshop for K-8 teachers and librarians that introduces the best in current non-fiction children's books. In addition to Dr. Kobrin's wealth of personal resources, she has invited noted authors and illustrators to join her to share their works and classroom ideas with participants. Many different techniques for using these materials across the curriculum to stimulate critical thinking in the

teaching/learning process will be explored. Collaborative grade-level groups will have the opportunity to create and apply strategies and resources for integration to share with the group. 0800-1600, MTWRF. ADMN-204B. B. Kobrin/C. Yetter/J. Lewis

### EDUC 503J09 Experiencing Primary Mathematics (2)

Term WW: July 23-July 27

Experience the methodology expressed in the texts *Mathematics Their Way* by Mary Baratta-Lorton, and *Developing Number Concepts* by Kathy Richardson. The findings of Piaget are translated into meaningful situations for primary age children. A classroom model is experienced by participants as they become involved in a hands-on program which uses a variety of manipulative materials to build understanding in the area of mathematics.

0800-1600, MTWRF. INGR-115. J. Fulkeron

### EDUC 503K10 Creative Materials that Engage Learners (2)

Term WW: July 23-July 27

This workshop offers teachers the opportunity to develop creative materials that enhance their teaching, and make learning more exciting for learners. Participants are encouraged to bring objectives for learning activities.

0800-1600, MTWRF. LIBR-Media. D. Sydnor

### EDUC 503L11 Information Skills: Instruc- tional Methods in Learning Resources (2)

Term WW: July 23-July 27

Information skills curriculum design for elementary and secondary librarians, examination of curriculum objectives and strategies in the K-12 curriculum. The course is designed as a workshop, with demonstrations, guest lecturers, and

hands-on exploration of resources available to school librarians. Students will work together to design information skills curricula for specific grade-levels and will develop specific instructional strategies for implementation.

0800-1600, MTWRF. LIBR-106. C. Yetter

## **EDUC 503M12** **Children's Writing (2)**

Term WW: July 23-July 27

This workshop discusses current theory and practice in the teaching and learning of writing in K-6 classrooms. Implementation strategies include the importance of models and demonstrations, the place of talk and dialogue in the teaching/learning process, the use of conferencing and response, appropriate developmental spelling expectations, the role of children's literature, and writing across the curriculum. Particular emphasis is on a process approach and the setting up of a Writing Workshop based on the models of Donald Graves and Lucy Calkins.

0800-1600, MTWRF. ADMN-204B. J. Lewis

## **EDUC 503N13\*** **Changing Human Behavior (2)**

Term WW: July 23-July 27

This course identifies key interviewing and communication skills to effectively facilitate change in human behavior. Learn skills for helping people deal with loss, crisis, and distress. Emphasis is given to crises counseling with children and adolescents. \*May also be taken as SOCW 432, see page 50.

0800-1600, MTWRF. ECAM-23. G. Hiam

## **EDUC 503P14** **Microcomputers in the Classroom (2)**

June 25-July 6

Introduction to the use of microcomputers in educational settings. The course examines: 1) The computer as a

teacher tool using word processing, spreadsheet, and grading programs, 2) Computer assisted instruction, 3) Software evaluation, 4) Integrating software into the curriculum, 5) Copyright laws and public domain software, and 7) Software currently used in educational settings. Prerequisite: EDUC 251, Learner and Society or EDUC 253, Child Development and Schools. 1300-1600, MTWRF. RAMS-204. J. Beaulieu

## **EDUC 503R15** **Instructional Methods in Early Childhood (2)**

Term III: July 30-August 24

Development and evaluation of program, strategies and methods for a developmentally based ECE program for normal children. Prerequisite: PSYC 101; Child development course; upper class or graduated level standing 0930-1045, MTWRF. ADMN-219. M. Brown

## **EDUC 503S16** **Current Issues and Trends in Early Childhood Education (2)**

Term III: July 30-August 24

An examination of current early childhood education issues and trends in the context of historical and philosophical bases with a relevant overview of normal development of 3 - 8 year olds. Field observation required. Prerequisite: PSYC 101 or equivalent; child development course; upper class or graduate status.

0800-0915, MTWRF. ADMN-221. K. Colleran

## **EDUC 503T17\*** **Cross-Cultural Skills for the Helping Professions (2)**

July 30-August 10

\*May also be taken as SOCW 431, see page 50 for description. 0900-1600, MTWRF. ADMN-223. T. Johnstone

## **EDUC 503U18\*** **Computers in the Language Arts Curriculum (2)**

July 9-July 20

\*May also be taken as CSCI 505, see page 15 for description.

1730-2030, MTWRF. RAMS-204. T. Lamas

## **EDUC 503V19\*** **Data Base and Telecommunications in the Classroom (2)**

July 30-August 10

\*May also be taken as CSCI 506, see page 15 for description.

0900-1200, MTWRF. RAMS-204. J. Beaulieu

## **EDUC 503W20\*** **Advanced Appleworks (2)**

July 30-August 10

\*May also be taken as CSCI 504, see page 15 for description.

1300-1600, MTWRF. RAMS-204. J. Turner

## **EDUC 503X21\*** **Computer Technology and the Teaching of Problem Solving (2)**

August 13-August 24

\*May also be taken as CSCI 507, see page 15 for description.

0900-1200, MTWRF. RAMS-204. J. Beaulieu

## **EDUC 510** **Current Issues in Science and Health (2)**

Term II: June 25-July 20

Assist teachers in exploring current activities and approaches to science and health in their elementary classrooms. Prerequisite: teaching experience or consent of the instructor.

1300-1500, MTWRF. RCTR-102. M. Churney

The following courses are offered through the Washington Education Association. For information regarding dates and costs of the summer 1990 W.E.A. Workshops, contact W.E.A. at (206) 941-6700.

### The Computer as a Classroom Tool

Developed by Washington State educators and designed to bring K-12 education into the world created by the "microchip." Hands-on experience with microcomputers. Modules of instruction include knowledge of computers, controlling the computer, using computers in teaching, and other educational issues.

### LEAST

LEAST is a complete approach to discipline in the classroom and originally designed by the W.E.A. This is a positive discipline program with the teacher as the "authority." It helps the teacher to become more effective in the classroom and with those around it, such as parents, administrators, and fellow teachers.

### EDUC 515 Seminar: Continuing Level Teachers (2)

June 9 and July 23-26\*

The preparation and sharing of selected topics related to the minimum generic standards needs of the individual participants. Required for the continuing level certification of teachers. Pass/Fail only. \*Meets Saturday, June 9, 1-3 pm and July 23-26, 6-10 pm. ADMN-117. C. DeBower

### EDUC 516 Teacher Supervision - Continuing Level (1)

Term WW: July 23-July 27

Identification and development of supervisory skills for teachers who work with other adults in the classroom. 0900-1200, MTWRF. ADMN-216. M. Baughman

### EDUC 525 Current Practices and Issues in Reading (2)

Term III: July 30-August 24

Examine current practices and issues in the field of reading as described through educational research. Research findings applies to classroom practices. Students encouraged to pursue specific areas of interest within the broad area of reading instruction. Prerequisite: EDUC 325, Reading in the Elementary School or equivalent and teaching experience 1230-1345, MTWRF. ADMN-208. A. Mallon

### EDUC 527 Psychology of Reading (2)

Term III: July 30-August 24

Principles of reading, perception, word recognition, concept development, and meaning in reading. Language acquisition as part of developmental learning processes will be examined in relationship to successful literacy learning

and teaching. Prerequisite: EDUC 325 Reading in the Elementary School or equivalent and teaching experience. 0800-0915, MTWRF. ADMN-219. J. Lewis

### EDUC 544 01 Research and Program Evaluation (2)

Term II: June 25-July 20

Knowledge of student and case evaluation techniques; the ability to select and interpret tests; knowledge of research design; the ability to interpret educational research; the ability to identify, locate and acquire topical research and related literature; and the ability to use the result of research or evaluation to propose program changes. Graduate students only; may be taken in lieu of EDUC 467. Tally cards required. 0800-0915, MTWRF. ADMN-200. F. Olson

### EDUC 544 02 Research and Program Evaluation (2)

Term III: July 30-August 24

For course description, see EDUC 544 01 above. 0800-0915, MTWRF. ADMN-215. E. Andreasson

### EDUC 545 01 Methods and Techniques of Research (2)

Term II: June 25-July 20

Research methods and techniques in education with emphasis on designing a research project in the student's area of interest. Required for M.A. Prerequisite: Consultation with student's adviser and admittance to the graduate program. Tally card required. 0930-1045, MTWRF. ADMN-200. F. Olson



**EDUC 545 02**  
**Methods and Techniques**  
**of Research (2)**

Term III: July 31-August 23  
 For course description, see EDUC545 01 above. Prerequisite: Consultation with student's adviser and admittance to the graduate program. Tally card required. 1700-1915, MWR. ADMN-208. J. Brickell

**EDUC 550**  
**School Finance (2)**

Term III: July 30-August 24  
 Local, state, and federal contributors to school finance, its philosophy and development; the development and administration of a school budget. 1230-1345, MTWRF. ADMN-210. R. Hamlin

**EDUC 551**  
**Educational Law (2)**

Term II: June 25-July 19  
 Study of contemporary federal, state and local statutes, regulations and case law and their application to public and private schools. Pass/Fail only. 1230-1420, MTWR. ADMN-117. C. DeBower

**EDUC 552**  
**Educational**  
**Administration (3)**

Term II: June 25-July 19  
 Administration and supervision of school personnel, facilities, and programs; with emphasis on the human relationship in that setting. Prerequisite: teaching experience or consent of the dean. 1830-2145, MTR. ADMN-117. C. DeBower

**EDUC 554**  
**Seminar in Educational**  
**Administration (2)**

June 9 and July 23-26\*  
 The preparation and sharing of selected presentations related to needs of individual participants. Required for continuing certification of principals and program administrators. \*Meets Saturday, June 9, 9-3 pm and July 23-26, 6-10 pm. ADMN-117. C. DeBower

**EDUC 555**  
**Administration and**  
**Supervision Workshop (2)**

Term III: July 30-August 24  
 Projects determined by the class; typical projects include curriculum planning and adjustment, public relations programs, personnel employment and inservice training; financing building and educational programs. Prerequisite: One course in administration or supervision. 0930-1045, MTWRF. ADMN-221. M. Baughman

**EDUC 580**  
**Curriculum**  
**Development (2)**

Term II: June 25 - July 19  
 Types of curriculum organizations, programs and techniques of curriculum development. 1800-2030, MWR. ADMN-210. D. Haugen

**EDUC 585**  
**Comparative Education (3)**

Term III: July 30-August 23  
 Comparison and investigation of certain materials and cultural systems of education throughout the world. 1230-1515, MTWR. ADMN-204B. M. Baughman

**EDUC 587**  
**History of Education (2)**

Term II: June 25-July 20  
 Great educators, educational theories, and educational systems from antiquity to the present. 1230-1345, MTWRF. ADMN-209. Staff

**EDUC 597**  
**Independent Study (1-4)**

May 29-August 24  
 Projects of varying length related to educational issues or concerns of the individual participant and approved by an appropriate faculty member and the dean. Prerequisite: instructor's signature on independent study card prior to registration. TBA. Staff

**EDUC 598**  
**Studies in Education (2)**

May 29-August 24  
 A research paper or project of an educational issue selected jointly by the student and the graduate adviser; will be reviewed by the student's Graduate Committee. Independent study care required. TBA. Staff

**EDUC 599**  
**Thesis (3-4)**

May 29-August 24  
 For Master of Arts candidates who elect to write a thesis. The thesis problem is chosen from the candidate's major field of concentration and must be approved by the candidate's graduate advisor. TBA. Staff

# EDUCATIONAL PSYCHOLOGY

## EPSY 503A01 Counselor Supervision (1)

June 15-June 16

Examine models of counselor supervision; participate in counselor supervision as a supervisee and as a supervisor. 0900-1600, Friday and Saturday. RAMS-206. A. Carey

## EPSY 503B02 Christian Counseling (2)

June 25-July 6

Presents a rationale for making use of client's religious faith in counseling. Seeks to assist the student counselor to recognize the wholeness of the person in the process of counseling. Addresses love, guilt, loneliness, anxiety, grief, and other emotional and spiritual problems, and methods of helping those experiencing depression, grief and guilt by making use of their religious beliefs. Students participate and share client data. 0900-1200, MTWRF. RAMS-206. A. Carey

## EPSY 503C03 Violence in the Family (2)

July 9-July 20

Designed to increase awareness of the scope of abuse. Workshop participants learn to identify the symptoms of psychosocial and physical abuse, become aware of possible treatment, and learn to support the abused and the abuser. 0900-1200, MTWRF. RAMS-206. A. Carey

## EPSY 503D04 Crisis Intervention (2)

Term III: July 30-August 10

A workshop designed to assist the helping professional to identify the characteristics of a crisis, and to help them during and following a crisis situation. Applicable to teachers, counselors, and others who work with people under stress or those attempting to cope with transition. Practicum in addition. 0900-1200, MTWRF. RAMS-206. M. Kralik

## EPSY 503E05 Alcohol & Drug Abuse (2)

Term III: July 30-August 10

Provides information for counselors and other helping professionals on the myths and realities of alcoholism and drug abuse including the disease concept of chemical dependency, the alcohol family system and overview of diagnostic and treatment methods, community referral resources and strategies for prevention. 1300-1600, MTWRF. RAMS-206. W. Johnson

## EPSY 512 Group Process and the Individual (2)

Term III: July 30-August 25\*

A human interaction laboratory to facilitate the exploration of the self concept through the mechanisms of interpersonal interactions and feedback. Emphasis placed on the acquisition of skill in self-exploration, role identification, and climate-making. \*Also meets Saturday, August 25, 9 am-4 pm. 1600-1900, TR. RAMS-103. A. Carey

## EPSY 535 Foundations of Guidance (4)

Term II: June 25-July 19

The focus is on developing an understanding of the services and the processes available to assist individuals in making plans and decisions according to

their own life pattern. Practicum may be carried out in the Fall in the public schools.

1200-1600, MTR. RAMS-206. W. Johnson

## EPSY 536 Affective Classroom Techniques (2)

August 13-August 24

Explores techniques designed to facilitate understanding of self and others; methods for working with students. Lab experience to be completed in the Fall semester. Prerequisite: student teaching or graduate status. 0900-1200, MTWRF. RAMS-206. L. Kucklick

## EPSY 575 Mental Health (4)

Term I: May 29-June 22

Basic mental health principles as related to interpersonal relationships. Focus on self-understanding. Laboratory experiences as arranged during the course. 1630-1930, MTWR. RAMS-206. W. Johnson

# SPECIAL EDUCATION

## SPED 190 Exceptional Children and Adults (3)

Term I: May 29-June 21

Introduction to the needs and characteristics of exceptional children and adults. Federal and state legislation, current issues, and practices of delivering services to handicapped individuals. Designed as an overview of the field for students in special education, nursing, counseling, and other related fields. 1500-1800, MTWR. ECAM-13. K. Gerlach

## **SPED 290** **Introduction to Learning Disabilities (3)**

Term II: June 25-July 20  
Overview of the field of learning disabilities, including concepts, assessment, and instructional practices. Prerequisite: EDUC 251, Learner in Society: Growth and Development (secondary); or EDUC 253, Child Development and Schools; or consent of instructor. 1300-1600, MTWRF. ECAM-13. P. Rallo

## **SPED 398** **Assessment in Special and Remedial Education (3)**

Term II: June 25-July 20  
Study of a variety of formal and informal assessment tests and procedures. Curriculum based assessments, systematic classroom observation, norm-referenced tests, task analysis, and criterion-referenced tests and procedures are examined. Includes the role of assessment in eligibility and program planning. 0930-1215, MTWRF. ECAM-13. G. Williams

## **SPED 399** **Practicum in Special Education (1-2)**

May 29-August 24  
Experience with special education children or adults in a supervised setting. 1 hour credit given to successful completion of 45 clock hours. Prerequisite: SPED 290 Introduction to Learning Disabilities, or consent of instructor. Tally card required. TBA. Staff

## **SPED 403** **Parent/Professional Partnership in Special Education (2)**

Term WW: July 23-July 27  
Discussion of the techniques for communicating effectively with parents

of children with special needs. 0800-1600, MTWRF. ECAM-13. K. Gerlach

## **SPED 407** **Curriculum and Instruction for Exceptional Students(4)**

Term III: July 30-August 24  
Focus on teaching academic, social, and adaptive skills to mild and moderately handicapped students, includes writing individual education plans , data based instruction, task analysis, and learning sequences. Prerequisites: General Methods; SPED 290, Introduction to Learning Disabilities, or consent of instructor. 0830-1200, MTWRF. ECAM-13. L. Reisberg

## **SPED 408** **Career and Vocational Education for Exceptional Students (2)**

Term II: June 25-July 19  
Focus on career education curricula, life adjustment, and vocational instruction for mild and moderately handicapped adolescents and adults. Includes emphasis on community transition programs, supervised work and living arrangements, and assessment of occupational skills. 0930-1130, MTWR. ECAM-14. P. Rallo

## **SPED 475** **Supervising Para-Professionals and Volunteers (1)**

June 2 and June 9  
Emphasis on the effective management of para-professionals and volunteers in the classroom. 0830-1630, Saturdays only. ADMN-117. K. Gerlach

## **SPED 485\*** **The Gifted Child (2)**

Term WW: July 23-July 27  
A study of the gifted child, character-

istics and problems, and school procedures designed to further development. \*May also be taken as EDUC 485, see page 19. 0800-1600, MTWRF. ADMN-208. A. Botkin

## **SPED 492** **Methods of Teaching Young Handicapped Children (2)**

Term I: May 29-June 21  
Early childhood methods, materials, curriculum, and techniques for teaching children with special needs. Prerequisite: SPED 490 Early Learning Experiences for the Handicapped Child. 1630-2030, TR. ECAM-11. H. Owens

## **SPED 494** **Computer Application for the Handicapped (2)**

Term II: July 9-July 20  
An introduction into the application of computer technology with handicapped students. Focus on current issues and uses of computer technology including computer assisted instruction, software evaluation, pupil and data management, and computer aids for the handicapped. 1300-1600, MTWRF. RAMS-204. J. Beaulieu

## **SPED 501\*** **Advanced Computers in Special Education (2)**

August 13-August 24  
\*May also be taken as CSCI 508, see page 16 for description. 1300-1600, MTWRF. RAMS-2047. J. Beaulieu

*Special Education Courses continue on page 36.*



# SCHEDULE OF CLASSES

Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
<b>Anthropology</b>							
ANTH 220A01	Peoples of the World	1800-2130	May 30-June 20	MW	2	XAVR-112	Guldin
ANTH 220B02	Archaeology & Past Cultures of Washington	1830-2200	June 25-July 18	MW	2	XAVR-112	Huelsbeck
ANTH 220C03	Peoples of the World: Complex Society	0900-1600	July 23-27	MTWRF	2	XAVR-112	Brusco
ANTH 230	Peoples of the Northwest Coast	1800-2130	May 29-June 21	TR	2	XAVR-112	Klein
ANTH 465	Archaeology: The Field Experience	0800-1700	June 25-July 20	MTWRF	4	XAVR-112	Huelsbeck
<b>Art</b>							
ARTD 160	Drawing	0800-1215	June 25-July 20	MTWRF	4	INGR-126	Cox
ARTD 367/467*	Scene Workshop	1830-2130	May 29-July 27	TR	4	EAUD-122	Frehse/West
ARTD 390	Russian Art and Culture	1230-1515	May 29-June 22	MTWRF	4	INGR-116	Brown
ARTD 501	Art Education for Teachers	1700-2000	July 30-August 24	MW	2	INGR-126	Honeycutt
<b>Biology</b>							
BIOL 111	Biology and the Modern World	0800-1215	June 25-July 20	MTWRF	4	RCTR-102	Hansen
BIOL 112	Humanistic Botany	0800-1215	May 29-June 22	MTWRF	4	RCTR-122	Crayton
BIOL 201	Introduction to Microbiology	0800-1215	June 25-July 20	MTWRF	4	RCTR-122	Alexander
BIOL 205	Human Anatomy & Physiology	0800-1045	June 25-July 20	MTWR*	4	RCTR-115	Carlson
BIOL 206	Human Anatomy & Physiology	0800-1045	July 30-August 24	MTWR*	4	RCTR-115	Carlson
BIOL 351	Natural History of the Pacific Northwest	0930-1700	June 25-July 20	MTWRF	4	RCTR-124	McGinnis
BIOL 370	Biotechnology	0800-1215	July 30-August 24	MTWRF	4	RCTR-136	Kerk
BIOL 502	Advanced Placement Institute: Biology	0900-1600	July 23-27	MTWRF	2	RCTR-115	Carlson
<b>Business Administration</b>							
BUSA 230	Law and Society	0900-1215	May 29-June 21	MTWR	4	ADMN-215	Ahna
BUSA 281	Financial Accounting	0900-1215	May 29-June 21	MTWR	4	ADMN-217	Ramaglia
BUSA 282	Managerial Accounting	0900-1215	June 25-July 19	MTWR	4	ADMN-217	Hegstad
BUSA 350	Management	0900-1215	May 29-June 21	MTWR	4	ADMN-219	Sumner
BUSA 354	Human Resource Management	0800-1215	June 25-July 18	MTW	4	ADMN-215	Cook
BUSA 364	Managerial Finance	0900-1215	May 29-June 21	MTWR	4	ADMN-221	Bancroft
BUSA 370	Marketing Systems	1330-1645	May 29-June 21	MTWR	4	ADMN-215	Thrasher
BUSA 455 01	Business Policy	0900-1215	May 29-June 21	MTWR	4	ADMN-223	Yager
BUSA 455 02	Business Policy	1300-1615	June 25-July 19	MTWR	4	ADMN-219	Waters
BUSA 483	Income Taxation	0900-1215	May 29-June 21	MTWR	4	ADMN-213	Sumner
BUSA 490	Europe: Business, Politics & Culture	TBA	May 28-July 8		4	-	McNabb
BUSA 520	Programming for Managers	1800-2130	June 4-July 25	MW	4	ADMN-213	Harter
BUSA 550	Organizational Behavior and Environment	1800-2130	June 4-July 25	MW	4	ADMN-223	Schultz
BUSA 555	Business Strategy and Policy	1800-2130	June 4-July 25	MW	4	ADMN-219	Waters

\*Contact department or call Office of Summer Studies at 535-7143 for more information.

Shaded areas indicate late afternoon or evening classes. See inside front cover for explanation of codes and abbreviations.

# SCHEDULE OF CLASSES

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Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
BUSA 582	Accounting Information and Control	1800-2130	June 5-July 24	TR	4	ADMN-217	Hegstad
BUSA 590 01	Seminar: International Marketing	1800-2130	June 5-July 24	TR	4	ADMN-215	Thrasher
BUSA 590 02	Seminar: Executive Communications	1800-2130	June 4-July 25	MW	4	ADMN-215	Reynolds
<b>Chemistry</b>							
CHEM 104	Environmental Chemistry	0800-1045	May 29-June 21	MTWR*	4	RCTR-224	Giddings
CHEM 105	Chemistry of Life	0930-1215	June 25-July 19	MTWR*	4	RCTR-224	Anderson
CHEM 321	Analytical Chemistry	0800-1045	July 30-August 23	MTWR*	4	RCTR-224	Huestis
<b>Classics</b>							
§CLAS 150A01	Living Languages	1100-1215	May 29-June 22	MTWRF	2	ADMN-216	Nelson
§CLAS 150B02	Living Languages	1100-1215	June 25-July 20	MTWRF	2	ADMN-216	Nelson
<b>Communication Arts</b>							
COMA 324	Workshop in Nonverbal Communication	0900-1600	June 4-8	MTWRF	2	INGR-116	Wilson
COMA 326	Group Communication	1830-2130	May 30-July 25	MW	4	INGR-109	Inch
COMA 328	Argumentation	1400-1645	May 29-June 22	MTWRF	4	INGR-109	Inch
COMA 367/467*	Scene Workshop	1830-2130	May 29-July 26	TR	4	EAUD-122	West/Frehse
COMA 447	Theatre Northwest	TBA	July 23-27	MTWRF	2	MGYM-202	Parker
COMA 450	Public Speaking Workshop	0900-1600	June 25-29	MTWRF	2	INGR-109	Wilson
COMA 458	Creative Dramatics	0930-1215	June 25-July 20	MTWRF	4	MGYM-205	Parker
<b>Computer Science (See Mathematics also)</b>							
CSCI 110	BASIC	0930-1045	May 29-June 22	MTWRF	2	RCTR-221	C Dorner
CSCI 144	Introduction to Computer Science (Pascal)	0830-1015	June 4-July 13	MTWRF	4	MGYM-101	Brink
CSCI 210	Computerized Information Systems	1100-1215	June 25-July 20	MTWRF	2	RCTR-221	Staff
CSCI 270	Data Structures	0830-1015	July 16-August 24	MTWRF	4	MGYM-102	Hauser
CSCI 490/590	Neural Networking	0800-1000	May 29-June 29	MTWRF	4	MGYM-103	Spillman
CSCI 502 01*	Appleworks for Teachers	0900-1200	June 25-July 6	MTWRF	2	RAMS-202	Beaulieu
CSCI 502 02*	Appleworks for Teachers	0900-1200	July 9-July 20	MTWRF	2	RAMS-202	Beaulieu
CSCI 504*	Advanced Appleworks	1300-1600	July 30-August 10	MTWRF	2	RAMS-202	Turner
CSCI 505*	Computers in the Language Arts Curriculum	1730-2030	July 9-20	MTWRF	2	RAMS-202	Lamas
CSCI 506*	Data Base & Telecomm. in Classroom	0900-1200	July 30-August 10	MTWRF	2	RAMS-202	Beaulieu
CSCI 507*	Computer Technology and Problem Solving	0900-1200	August 13-24	MTWRF	2	RAMS-202	Beaulieu
CSCI 508*	Advanced Computers in Special Education	1300-1600	August 13-24	MTWRF	2	RAMS-202	Beaulieu
CSCI 509*	Computers in the Math Curriculum	1730-2030	July 30-August 10	MTWRF	2	RAMS-202	Turner
CSCI 551	Advanced Placement: Computer Science	0900-1600	July 23-27	MTWRF	2	RAMS-204	Beaulieu

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# SCHEDULE OF CLASSES

Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
<b>Earth Science</b>							
ESCI 131	Physical Geology	0800-1150	May 29-June 22	MTWRF	4	RCTR-109	Benham
ESCI 202	Oceanography	0800-1150	June 25-July 20	MTWRF	4	RCTR-109	Whitman
ESCI 222	Conservation of Natural Resources	1800-2000	May 30-July 20	MW	4	RCTR-109	Benham
ESCI 425	Geological Field Mapping	0800-1700	July 23-August 24	MTWRFS	5	RCTR-108	Lowes
<b>Economics</b>							
ECON 150	Principles of Economics	0930-1215	May 29-June 22	MTWRF	4	ADMN-200	Wentworth
STAT 231	Introductory Statistics	0800-1045	May 29-June 22	MTWRF	4	ADMN-204A	Jensen
ECON 321	Labor Economics	1230-1515	May 29-June 22	MWTF	4	ADMN-206	Peterson
ECON 361	Money and Banking	0930-1215	May 29-June 22	MTWRF	4	ADMN-211	Ankrim
ECON 500	Applied Statistical Analysis	1800-2200	June 4-July 12	TR	4	ADMN-204A	Jensen
<b>Education</b>							
EDUC 325/524	Reading in the 90s K-8	0930-1215	July 30-August 24	MTWRF	4	ADMN-206	Mallon
EDUC 408/508	Current Trends for Language Arts (Elem.)	0800-0915	June 25-July 20	MTWRF	2	ADMN-204A	Lewis
EDUC 410	Science & Health in Elementary School K-8	1300-1500	May 29-June 22	MTWRF	2	RCTR-102	Churney
EDUC 412/512	Current Issues in Social Studies K-8	0930-1045	June 25-July 20	MTWRF	2	ADMN-117	Sydnor
EDUC 420	Problems of Reading in Secondary School	0930-1045	July 30-August 24	MTWRF	2	ADMN-213	Hays
EDUC 421	Teachers and the Law	1600-1750	May 29-June 7	MTWR	1	ADMN-117	DeBower
EDUC 451	Administration of the School Library	1100-1215	June 25-July 20	MTWRF	2	LIBR-106	Baldwin
EDUC 452	Basic Reference Materials	1600-1900	May 29-June 22	TR*	2	LIBR-106	Yetter
EDUC 453	Processing School Library Materials	0800-0915	June 25-July 20	MTWRF	2	ADMN-221	Sherman-Peterson
EDUC 454	Selection of Learning Resource Materials	1600-1900	May 29-June 22	MW*	2	LIBR-106	Yetter
EDUC 456	Storytelling	1230-1630	July 30-August 22	MW	2	ADMN-215	Wellner
EDUC 457	The Arts- Media and Technology	1530-1700	May 29-June 22	MTWRF	2	LIBR-Media	Churney
EDUC 473	Parent-Teacher Relationships	1400-1515	June 25-July 20	MTWRF	2	ADMN-217	Neufeld
EDUC 479	Special Techniques in Reading	0800-1045	June 25-July 20	MTWRF	4	ADMN-208	Hays
EDUC 483	Primary Reading	1100-1215	June 25-July 20	MTWRF	2	ADMN-200	Lewis
EDUC 485*	The Gifted Child	0800-1600	July 23-27	MTWRF	2	ADMN-208	Botkin
EDUC 501A01	Cooperative Learning Interactive Teaching	1400-1515	July 30-August 24	MTWRF	2	ADMN-117	Turnpaugh
EDUC 501B02	Integrating Learning Styles in the Classroom	1230-1345	July 30-August 24	MTWRF	2	ADMN-117	Turnpaugh
EDUC 501C03	Children's Literature in the K-8 Curriculum	1230-1630	July 31-August 23	TR	2	ADMN-213	Lewis
EDUC 502 01*	Appleworks for Teachers	0900-1200	June 25-July 6	MTWRF	2	RAMS-202	Beaulieu
EDUC 502 02*	Appleworks for Teachers	0900-1200	July 9-July 20	MTWRF	2	RAMS-202	Beaulieu
EDUC 503A01	Teaching Math Successfully in the 90s (K-8)	1900-2145	May 29-June 21	MTR	2	ADMN-117	DeBower
EDUC 503B02*	Stress in Children and Adolescents	1800-2100	May 30-June 20	MW	2	ECAM-13	Gerlach
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# SCHEDULE OF CLASSES

Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
EDUC 503C03	Teaching Math: K-8	1230-1420	June 25-July 19	MTWR	2	ADMN-117	DeBower
EDUC 503D04	Media for Librarians	1530-1700	June 25-July 20	MTWRF	2	LIBR-Media	Churney
EDUC 503E05	Creating a Positive & Productive Classroom	1400-1515	June 25-July 20	MTWRF	2	ADMN-117	Sydnor
EDUC 503F06*	Computers in the Math Curriculum	1730-2030	July 30-August 10	MTWRF	2	RAMS-202	Beaulieu
EDUC 503G07	Scandinavian-American Literature & Culture	1000-2000	July 2-July 6	MTRF	1	ADMN-204B	Toven
EDUC 503H08	Exploring Non-fiction Literature	0800-1600	July 9-13	MTWRF	2	ADMN-204B	Kobrin
EDUC 503J09	Experiencing Primary Mathematics	0800-1600	July 23-27	MTWRF	2	INGR-115	Fulkerson
EDUC 503K10	Creative Materials that Engage Learners	0800-1600	July 23-27	MTWRF	2	LIBR-Media	Sydnor
EDUC 503L11	Information Skills	0800-1600	July 23-27	MTWRF	2	LIBR-106	Yetter
EDUC 503M12	Children's Writing	0800-1600	July 23-27	MTWRF	2	ADMN-204B	Lewis
EDUC 503N13*	Changing Human Behavior	0800-1600	July 23-27	MTWRF	2	ECAM-23	Hiam
EDUC 503P14	Microcomputers in the Classroom	1300-1600	June 25-July 6	MTWRF	2	RAMS-202	Beaulieu
EDUC 503R15	Instructional Methods in Early Childhood	0930-1045	July 30-August 24	MTWRF	2	ADMN-219	Brown
EDUC 503S16	Current Issues in Early Childhood Education	0800-0915	July 30-August 24	MTWRF	2	ADMN-221	Colleran
EDUC 503T17*	Cross-Cultural Skills for Helping Professions	0900-1600	July 30-August 10	MTWRF	2	ADMN-223	Johnstone
EDUC 503U18*	Computers in the Language Arts Curriculum	1730-2030	July 9-20	MTWRF	2	RAMS-202	Lamas
EDUC 503V19*	Data Base and Telecommunications	0900-1200	July 30-August 10	MTWRF	2	RAMS-202	Beaulieu
EDUC 503W20*	Advanced Appleworks	1300-1600	July 30-August 10	MTWRF	2	RAMS-204	Turner
EDUC 503X21*	Computer Technology and Problem Solving	0900-1200	August 13-24	MTWRF	2	RAMS-202	Beaulieu
EDUC 510	Current Issues in Science and Health	1300-1500	June 25-July 20	MTWRF	2	RCTR-102	Churney
EDUC 515	Seminar: Continuing Level Teachers	*	June 9 & July 23-26		2	ADMN-117	DeBower
EDUC 516	Teacher Supervision - Continuing Level	0900-1200	July 23-27	MTWRF	1	ADMN-216	Baughman
EDUC 525	Current Practices and Issues in Reading	1230-1345	July 30-August 24	MTWRF	2	ADMN-208	Mallon
EDUC 527	Psychology of Reading	0800-0915	July 30-August 24	MTWRF	2	ADMN-219	Lewis
EDUC 544 01	Research and Program Evaluation	0800-0915	June 25-July 20	MTWRF	2	ADMN-200	Olson
EDUC 544 02	Research and Program Evaluation	0800-0915	July 30-August 24	MTWRF	2	ADMN-215	Andreassen
EDUC 545 01	Methods and Techniques of Research	0930-1045	June 25-July 20	MTWRF	2	ADMN-200	Olson
EDUC 545 02	Methods and Techniques of Research	1700-1915	July 31-August 23	MWR	2	ADMN-208	Brickell
EDUC 550	School Finance	1230-1345	July 30-August 24	MTWRF	2	ADMN-210	Hamlin
EDUC 551	Educational Law	1230-1420	June 25-July 19	MTWR	2	ADMN-117	DeBower
EDUC 552	Educational Administration	1830-2145	June 25-July 19	MTR	3	ADMN-117	DeBower
EDUC 554	Seminar in Educational Administration	*	June 9 & July 23-26		2	ADMN-117	DeBower
EDUC 555	Administration and Supervision Workshop	0930-1045	July 30-August 24	MTWRF	2	ADMN-221	Baughman
EDUC 580	Curriculum Development	1800-2030	June 25-July 20	MWR	2	ADMN-210	Haugen
EDUC 585	Comparative Education	1230-1515	July 30-August 23	MTWR	3	ADMN-204B	Baughman
EDUC 587	History of Education	1230-1545	June 25-July 20	MTWRF	3	ADMN-209	Staff

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# SCHEDULE OF CLASSES

Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
EDUC 597	Independent Study	TBA	May 29-August 24		1-4	TBA	Staff
EDUC 598	Studies in Education	TBA	May 29-August 24		2	TBA	Staff
EDUC 599	Thesis	TBA	May 29-August 24		3-4	TBA	Staff
<b>Educational Psychology</b>							
EPSY 503A01	Counselor Supervision	0900-1600	June 15 & 16	FSa	1	RAMS-206	Carey
EPSY 503B02	Christian Counseling	0900-1200	June 25-July 6	MTWRF	2	RAMS-206	Carey
EPSY 503C03	Violence in the Family	0900-1200	July 9-20	MTWRF	2	RAMS-206	Carey
EPSY 503D04	Crisis Intervention	0900-1200	July 30-August 10	MTWRF	2	RAMS-206	Kralick
EPSY 503E05	Alcohol and Drug Abuse	1300-1600	July 30-August 10	MTWRF	2	RAMS-206	Johnson
EPSY 512	Group Process and the Individual	1600-1900	July 30-August 25*TR		2	RAMS-103	Carey
EPSY 535	Foundations of Guidance	1200-1600	June 25-July 19	MTR	4	RAMS-206	Johnson
EPSY 536	Affective Classroom Techniques	0900-1200	August 13-24	MTWRF	2	RAMS-206	Kucklick
EPSY 575	Mental Health	1630-1930	May 29-June 21	MTWR	4	RAMS-206	Johnson
<b>Special Education</b>							
SPED 190	Exceptional Children and Adults	1500-1800	May 29-June 21	MTWR	3	ECAM-13	Gerlach
SPED 290	Introduction to Learning Disabilities	1300-1600	June 25-July 20	MTWRF	3	ECAM-13	Rallo
SPED 398	Assessment in Special Education	0930-1215	June 25-July 20	MTWRF	3	ECAM-13	Williams
SPED 399	Practicum in Special Education	TBA	May 29-August 24	TBA	1-2	TBA	Staff
SPED 403	Parent/Professional Partnership Special Ed	0800-1600	July 23-27	MTWRF	2	ECAM-13	Gerlach
SPED 407	Curriculum for Exceptional Students	0830-1200	July 30-August 24	MTWRF	4	ECAM-13	Reisberg
SPED 408	Vocational Ed for Exceptional Students	0930-1130	June 25-July 19	MTWR	2	ECAM-14	Rallo
SPED 475	Supervising Para-Professionals & Volunteers	0830-1630	June 2 & 9	Sat	1	ADMN-117	Gerlach
SPED 485*	The Gifted Child	0800-1600	July 23-27	MTWRF	2	ADMN-208	Botkin
SPED 492	Methods of Teaching Young Handicapped	1630-2030	May 29-June 21	TR	2	ECAM-11	Owens
SPED 494	Computer Application for the Handicapped	1300-1600	July 9-20	MTWRF	2	RAMS-202	Beaulieu
SPED 501*	Advanced Computers in Special Education	1300-1600	August 13-24	MTWRF	2	RAMS-202	Beaulieu
SPED 503*	Stress in Children and Adolescents	1800-2100	May 30-June 20	MW	2	ECAM-13	Gerlach
SPED 520	Handicapped in the Regular Classroom	0800-1600	July 23-27	MTWRF	2	ECAM-11	Banikowski
SPED 522	Health Professionals in Special Education	1700-2000	June 25-July 19	MTR	3	ECAM-13	Owens
SPED 530	Current Issues in Assessment	1400-1600	June 25-July 18	MW	2	ECAM-22	Williams
SPED 532	Severely and Profoundly Handicapped	0800-1600	July 23-27	MTWRF	2	ECAM-22	Finn
SPED 534	Current Issues in Behavior Disorders	1630-2030	May 29-June 20	MW	2	ECAM-10	Williams
SPED 535	Current Issues in Learning Disabilities	1400-1600	July 31-August 23	TR	2	ECAM-23	Reisberg
SPED 538	Issues in Early Childhood- Handicapped	1300-1600	July 30-August 10	MTWRF	2	ECAM-13	Odom
SPED 539	Administration Early /Special Ed Programs	0800-1600	July 23-27	MTWRF	2	ECAM-10	Owens

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# SCHEDULE OF CLASSES

Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
SPED 540	Early Intervention Programs	1300-1600	June 25-July 6	MTWRF	2	ECAM-14	Owens
SPED 541	Assessment of Infants and Preschoolers	1300-1600	July 9-20	MTWRF	2	ECAM-23	Owens
SPED 575	Consultant Teacher in Special Education	0900-1200	July 30-August 10	MTWRF	2	ECAM-10	Friend
SPED 576	Communication Skills for Consulting Teacher	1300-1600	July 30-August 10	MTWRF	2	ECAM-10	Friend
SPED 588	Administration of Special Ed Programs	1600-2030	July 31-August 23	TR	3	ECAM-22	Pearson
SPED 595	Special Education: Internship	TBA	May 29-August 24		4	TBA	Staff
SPED 598	Studies in Education	TBA	May 29-August 24		2	TBA	Staff
SPED 599	Thesis	TBA	May 29-August 24	TBA	3-4	TBA	Staff

## English

ENGL 101	College English	1230-1515	May 29-June 22	MTWRF	4	ADMN-212	Johnson
ENGL 252	British Literature Since 1750	0930-1215	May 29-June 22	MTWRF	4	ADMN-212	Campbell
ENGL 327A/527A	Imaginative Writing Workshop: Fiction	1830-2130	June 28-August 23	R	2 or 0	ADMN-212	Cady
ENGL 327B/527B	Imaginative Writing: Literary Journalism	1830-2130	June 26-August 21	T	2 or 0	ADMN-212	Rowe
ENGL 328	Advanced Composition	0930-1215	July 30-August 24	MTWRF	4	ADMN-212	Hale
ENGL 343	20th Century American Fiction and Drama	0930-1215	May 29-June 22	MTWRF	4	ADMN-214	Martin
ENGL 392	20th Century British Literature	0930-1215	July 30-August 24	MTWRF	4	ADMN-214	Marek
ENGL 440	Seminar: Saul Bellow	0930-1215	June 25-July 20	MTWRF	4	ADMN-214	Johnson
ENGL 565	Advanced Placement Institute: English	0900-1600	July 23-27	MTWRF	2	ADMN-212	Johnson

## Health Education (See Physical Education also)

HEED 501A01	First Aid/CPR	1830-2130	June 4-8	MTWRF	1	OGYM-105	Nicholson
HEED 501B02	Food & Health	1830-2130	June 4-8	MTWRF	1	OGYM-104	Hoseth
HEED 501C03	Stress Without Distress	1830-2130	June 11-15	MTWRF	1	OGYM-105	Hoseth
HEED 501D04	Family Life/Sex Education	1800-2200	July 2-6	MTRF	1	OGYM-105	Hoseth
HEED 501E05	School Health	1830-2130	June 25-29	MTWRF	1	OGYM-105	Hoseth
HEED 501F06	Health Fitness Management	0900-1200	June 25-July 13	MTWRF	2	OGYM-104	Evans

## History

HIST 109	East Asian Societies	0930-1215	May 29-June 22	MTWRF	4	XAVR-114	Rubert
HIST 325	Reformation	0930-1215	June 25-July 20	MTWRF	4	XAVR-114	Nordquist
HIST 399	Internship	TBA	May 29-August 24	TBA	1-6	TBA	Martinson
HIST 401	International Sports & Diplomacy	0900-1600	July 23-27	MTWRF	2	ADMN-213	Kraig
HIST 461	West and Northwest	TBA	May 29-August 24	TBA	4	TBA	Martinson
HIST 502	Advanced Placement Institute: History	0900-1600	July 23-27	MTWRF	2	XAVR-114	Carp

## Languages (See Classics)

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# SCHEDULE OF CLASSES

Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
<b>Mathematics (See Computer Science also)</b>							
MATH 128	Math for Business & the Behavioral Sciences	1830-2130	May 29-July 26	TR	4	RCTR-220	Benkhalti
MATH 151	Analytic Geometry and Calculus I	1830-2130	June 25-August 23	MR	4	RCTR-222	Peterson
MATH 245	Discrete Structures	1100-1310	July 2-August 3	MTWRF	4	MGYM-103	Hauser
MATH 323	Modern Elementary Math	1100-1310	June 25-July 27	MTWRF	4	MGYM-101	Batker
MATH 551	Advanced Placement Institute: Calculus	0900-1600	July 23-27	MTWRF	2	RCTR-220	Anderson
<b>Music</b>							
MUSI 105	Mechanics of Music	1000-1130	May 29-June 22	MTWRF*	4	EAUD-227	Farner
MUSI 341A	Music for Teachers: Orff-Schulwerk	0900-1600	July 23-27	MTWRF	2	EAUD-228	J/K Burns
MUSI 341B	Music for Teachers: World Cultures	0900-1600	July 23-27	MTWRF	2	EAUD-227	Jessup
MUSI 501A	Piano Literature Workshop	0900-1200	June 18-22	MTWRF	1	EAUD-228	Knapp
MUSI 501B	Piano Pedagogy Workshop	1300-1600	June 18-22	MTWRF	1	EAUD-228	Knapp
MUSI 501C	Master Teacher Workshop: Orff-Schulwerk	0900-1600	July 23-27	MWTRF	1	EAUD-228	J/K Burns
MUSI 501D	Master Teacher Workshop: World Cultures	0900-1600	July 23-27	MTWRF	1	EAUD-227	Jessup
MUSI 501E	Choral Workshop	0900-2100	July 30-August 3	MTWRF	2	EAUD-227	Harmic
MUSI 501F	Music Computer Workshop: Introduction	0900-1600	August 6-10	MT	1	EAUD-227	McTee/Youtz
MUSI 501G	Music Computer Workshop: Macintosh	0900-1200	August 6-10	WRF	1	EAUD-227	McTee
MUSI 501H	Music Computer Workshop: DOS Systems	1300-1600	August 6-10	WRF	1	Comp Ctr	Youtz
MUSI 501J	Solo Voice Literature	1300-1600	June 25-29	MTWRF	1	EAUD-227	Poulshock
MUSI 501K	Vocal Jazz Workshop	0900-1600	August 20-24	MTWRF	2	EAUD-227	Bleecker
MUSI 529	Topics in Music Theory	0930-1215	June 25-July 20	MTWRF	4	EAUD-227	O'Neal
MUSI 532	Music Bibliography & Research Techniques	1330-1530	June 25-July 20	MWR	2	EAUD-227	Youtz
MUSI 542	Topics in Music Education	1830-2030	July 30-August 24	W*	1	EAUD-228	Grieshaber
MUSI 590A	Pipe Organs of the Pacific Northwest	MTWRFSSu	July 7-21	TBA	2	TBA	Dahl
MUSI 596	Research in Music	TBA	May 29-August 24	TBA	1-4	TBA	Staff
MUSI 599	Thesis	TBA	May 29-August 24	TBA	1-4	TBA	Staff
<b>Applied Health Science (See Nursing also)</b>							
APHS 501	NCAS II: Assessment of Parents and Infants	0900-1200	June 25-July 20	MTW	3	RAMS-205	Page
<b>Nursing (See Applied Health Science also)</b>							
NURS 423	Physiological Nursing II	0800-1700	July 16-August 22	W	3	RAMS-203	Goodwin
NURS 433	Physiological Nursing II: Clinical	0700-1500	July 16-August 21	MT	3	TBA	Goodwin
NURS 436	Community Health Nursing: Families	0800-1700	May 29-July 13	W	3	RAMS-203	Rhoades
NURS 453	Community Health Nursing: Clinical	0700-1500	May 29-July 10	MT	3	TBA	Rhoades
NURS 462	Leadership in Nursing	0800-1000	May 31-August 23	R	2	RAMS-205	Schultz
NURS 472A01	Issues and Trends in Nursing	1000-1200	May 31-August 23	R	2	RAMS-205	Hansen
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# SCHEDULE OF CLASSES

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Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
NURS 472B02	Issues and Trends in Nursing	0800-1200	June 4-July 9	M	2	TBA	Schultz
NURS 473	Community as Client	TBA	May 29-July 11	MTW*	3	RAMS-205	Schultz
NURS 474	Nursing Synthesis	TBA	July 16-August 23	MTWR	4	RAMS-203	Staff
NURS 511	School Nursing I	0800-1100	June 25-July 19	MTWR	3	RAMS-202	Synoground
NURS 512	School Nursing II	1300-1600	June 25-July 18	MTW	3	RAMS-202	Synoground
<b>Philosophy</b>							
PHIL 100	Reasoning	0900-1030	July 30-August 24	MTWRF	2	ADMN-208	Nordby
PHIL 101	Philosophical Issues	0900-1200	May 29-June 22	MTWRF	4	ADMN-208	Cooper
PHIL 225	Ethical Theory	1800-2100	May 29-June 21	MR	2	ADMN-206	Cooper
PHIL 226	Moral Problems	1800-2100	June 25-July 19	MR	2	ADMN-206	Myrbo
§PHIL 347	History and Philosophy of Forensic Science	1300-1600	July 30-August 24	MTWRF	4	ADMN-206	Nordby
PHIL 351	Theory of Value	0900-1200	June 25-July 20	MTWRF	4	ADMN-206	Myrbo
<b>Physical Education (See Health Education also)</b>							
PHED 100	Personalized Fitness Program	1230-1345	May 29-June 21	MTWR	1	ECAM-Gym	ScWestering
PHED 151	Beginning Golf	0800-0915	May 29-June 21	MTWR	1	Field House	Marshall
PHED 155	Beginning Bowling	1100-1215	May 29-June 21	MTWR	1	UCTR-Bowl	ScWestering
PHED 163	Beginning Badminton	1830-2100	June 26-July 19	TR	1	ECAM-Gym	Adachi
PHED 165	Racketball/Squash	1230-1345	May 29-June 21	MTWR	1	OGYM-Rball	Marshall
PHED 177	Weight Training	0930-1045	May 29-June 22	MTWRF	1	Fit Center	ScWestering
PHED 182	Low Impact Aerobics	1230-1345	June 25-July 19	MTWR	1	Fit Center	SuWestering
PHED 183	Power Aerobics	1700-1815	May 29-June 21	MTWR	1	Fit Center	SuWestering
PHED 193	Intermediate Badminton	1830-2100	July 30-August 23	TR	1	ECAM-Gym	Adachi
PHED 222	Jazz Dance	0900-1200	June 18-22	MTWRF	1	ECAM Gym	McGill Seal
PHED 234	Relaxation Techniques	1400-1700	June 18-22	MTWRF	1	ECAM Gym	McGill Seal
PHED 281	Injury Prevention	0930-1045	May 29-June 22	MTWRF	2	OGYM-105	Nicholson
PHED 288	Teaching Methods in Weight Training	1800-2100	June 11-15	MTWRF	1	OGYM-106	ScWestering
PHED 322	Elementary School Physical Ed Workshop	0930-1230	July 23-August 3	MTWRF	2	OGYM-105	Poppen
PHED 399	Internship	TBA a.m.	TBA	TBA	4	TBA	Olson
PHED 480	Exercise Physiology-Lab	0800-0915	May 29-June 21	TR	2	OGYM-106	Evans
PHED 481	Exercise Physiology	0800-0915	May 30-June 22	MWF	2	OGYM-106	Evans
PHED 491	Independent Study	TBA	TBA	TBA	1	TBA	Olson
PHED 501A01	Adapted Physical Ed in the Mainstream	1830-2130	July 9-July 13	MTWRF	1	OGYM-104	Kluge
PHED 501B02	Elementary School Physical Ed Workshop	1830-2130	July 23-27	MTWRF	1	OGYM-105	Poppen
PHED 501D04	Psychological Skills for Peak Performance	1830-2130	July 23-27	MTWRF	1	OGYM-106	Hacker
PHED 501E05	Rhythms & Dance for Physical Education	1830-2130	August 13-17	MTWRF	1	ECAM-Gym	Poppen
PHED 530	Contemporary Issues in Physical Education	0800-1045	July 30-August 24	MTWRF	4	OGYM-104	Staff
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Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
<b>Physics</b>							
PHYS 153	General Physics	0900-1100	June 25-July 20	MTWRF	4	RCTR-220	Frantzvog
PHYS 154	General Physics	0900-1100	July 23-August 17	MTWRF	4	RCTR-220	Frantzvog
PHYS 163	General Physics Laboratory	1300-1600	June 25-July 20	TR	1	RCTR-220	Frantzvog
PHYS 164	General Physics Laboratory	1300-1600	July 23-August 17	TR	1	RCTR-220	Frantzvog
<b>Political Science</b>							
POLS 350	Religion and American Politics	0930-1215	May 29-June 22	MTWRF	4	ADMN-204B	Olufs
POLS 363	Government, Media and Public Policy	0930-1215	July 30-August 24	MTWRF	4	XAVR-114	Spencer
POLS 502	Advanced Placement American Government	0900-1600	July 23-27	MTWRF	2	TBA	Staff
<b>Psychology</b>							
PSYC 101	Introduction to Psychology	0930-1215	May 29-June 22	MTWRF	4	ADMN-202	Hansvick
PSYC 221	Psychology of Adjustment	0900-1600	June 18-22	MTWRF	2	XAVR-204	Moritsugu
PSYC 335	Development: Infancy to Maturity	0930-1215	June 25-July 20	MTWRF	4	XAVR-204	Brown
PSYC 401	Asian American Experience	0900-1600	July 23-27	MTWRF	2	XAVR-204	Moritsugu
PSYC 450	Psychological Testing	1230-1515	July 30-August 24	MTWRF	4	XAVR-114	Baird
PSYC 460	Learning: Research and Theory	0930-1215	May 29-June 22	MTWRF	4	ADMN-209	Nolph
PSYC 570	Externship	1600-1700	May 29-July 2	M	2	XAVR-203	Moritsugu
PSYC 577	Externship II	1600-1700	July 9-August 20	M	2	XAVR-203	Baird
<b>Religion</b>							
RELI 121	The Christian Tradition	0930-1215	June 25-July 20	MTWRF	4	ADMN-204A	Killen
RELI 131	Religions of South Asia	0930-1215	May 29-June 22	MTWRF	4	ADMN-206	Ingram
RELI 132	Religions of the Far East	1830-2130	May 30-July 25	MW	4	ADMN-208	Ingram
RELI 211	Religion and Literature of the Old Testament	0930-1215	July 30-August 24	MTWRF	4	ADMN-216	Petersen
RELI 226	Christian Ethics	1230-1515	June 25-July 20	MTWRF	4	ADMN-216	Klinefelter
RELI 231	Myth, Ritual, Symbol	1230-1515	July 30-August 24	MTWRF	4	ADMN-206	Brock
RELI 332	The Life of Jesus	0800-1045	May 29-June 22	MTWRF	4	ADMN-216	Govig
RELI 333A01	Biblical Studies: Parables	1530-1900	May 29-June 21	TR	2	ADMN-216	Govig
RELI 333B02	Biblical Studies: Interpreting Old Testament	1530-1900	July 30-August 23	TR	2	ADMN-216	Petersen
<b>Sociology</b>							
SOCI 291	Social Issues: Illiteracy	1730-2100	July 5-August 24	TR	2	TBA	Johnstone
SOCI 330	The Family	0900-1215	May 29-June 21	MTWR	4	XAVR-203	Biblarz
§SOCI 401	Work in American Society	0900-1600	July 23-27	MTWRF	2	XAVR-203	Cochrane
<b>Social Work and Marriage &amp; Family Therapy</b>							
SOCW 431*	Cross Cultural Skills for Helping Professions	0900-1200	July 30-August 10	MTWRF	2	ECAM-22	Johnstone
SOCW 432*	Changing Human Behavior	0900-1600	July 23-27	MTWRF	2	ECAM-23	Hiam
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Course ID	Title	Time	Dates	Days	Sem Hrs	Location	Instructor
SOCW 472	Social Work Practice	0930-1215	July 30-August 24	MTWRF	4	ECAM-23	Hiam
SOCW 475/476	Field Experience	TBA	May 29-August 24	TBA	4	TBA	Keller
MFTH 512	Professional Studies in MFT	1800-2120	May 29-July 11	W*	3	ECAM-22	York/Storm
MFTH 519	Practicum I	TBA	May 29-Sept 7	TBA	2	TBA	York/Storm
MFTH 520	Theory I	TBA	May 29-August	TBA	2	TBA	York/Storm
MFTH 521	Practicum II	TBA	May 29-Sept 7	TBA	2	TBA	York/Storm
MFTH 522	Theory II	TBA	May 29-August	TBA	2	TBA	York/Storm
MFTH 523	Practicum III	TBA	May 29-Sept 7	TBA	2	TBA	York/Storm
MFTH 524	Theory III	TBA	May 29-August	TBA	2	TBA	York/Storm
MFTH 525	Practicum IV	TBA	May 29-August 15		4	TBA	Storm/York

## Social Sciences

SSCI 505	Research Methods	1730-2030	May 29-July 19	TR	4	XAVR-114	Swanson
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## Statistics

STAT 231	Introductory Statistics	0800-1045	May 29-June 22	MTWRF	4	ADMN-204A	Jensen
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**M**ost importantly, the professors, and the educational support, create an environment which is conducive to, and facilitates, individual enhancement.

-- Larry D. Smith, Human Resource Management, '91



### **SPED 503\*** **Stress in Children and Adolescents (2)**

Term I: May 29-June 20

An Overview of childhood and adolescent stress. Topics include intervention strategies, self-esteem, adolescent suicide, eating disorders, relaxation techniques, visual imagery, problem solving techniques, goal setting, and prevention. \*May also be taken as EDUC 503B02, see page 20. 1800-2100, MW. ECAM-13. K. Gerlach

### **SPED 520** **Handicapped Children in the Regular Classroom (2)**

Term WW: July 23-July 27

An examination of teaching strategies appropriate for exceptional children in regular classrooms. Emphasis on the needs of exceptional children, program modification and classroom management. Designed for regular educators. 0800-1600, MTWRF. ECAM-11. T. Mehring/A. Banikowski

### **SPED 522** **Health Professionals in Special Education (3)**

Term II: June 25-July 19

An introduction for school nurses to the special learners within the school environment. Emphasis will be placed on the role of the school nurse as a team member in providing comprehensive services to children with special needs. Other topics included will deal with special issues and trends such as parents as partners, legal and medical concerns, early childhood, drugs, alcohol and suicide.

1700-2000, MTR. ECAM-13. H. Owens

### **SPED 530** **Current Issues in Assessment (2)**

Term II: June 25-July 18

Current issues in the use of assessment information for making educational

decisions. Prerequisite: SPED 398, Assessment in Special and Remedial Education or consent of instructor. 1400-1600, MW. ECAM-22. G. Williams

### **SPED 532** **Education & Training of the Severely & Profoundly Handicapped (2)**

Term WW: July 23-July 27

In-depth study of educational prescription and programming for the severely and profoundly handicapped. Emphasis on teaching strategies and curriculum modification as they apply to this population. 0800-1600, MTWRF. ECAM-22. D. Finn

### **SPED 534** **Current Issues in Behavior Disorders (2)**

Term I: May 29-June 20

Current Issues related to the education of children and youth with behavior disorders. Prerequisite: SPED 393 or consent of Instructor 1630-2030, MW. ECAM-10. G. Williams

### **SPED 535** **Current Issues in Learning Disabilities (2)**

Term III: July 31-August 23

Current issues related to the education of children and adults with learning disabilities. Prerequisite: SPED 290 or consent of instructor. 1400-1600, TR. ECAM-23. L. Reisberg

### **SPED 538** **Current Issues in Early Childhood, Handicapped (2)**

Term III: July 30-August 10

Current issues related to the education of pre-school handicapped children. Prerequisite: SPED 490 or consent of instructor. 1300-1600, MTWRF. ECAM-13. S. Odom

## **SPED 539** **Administration of Early Childhood/Special Education Programs (2)**

Term WW: July 23-July 27

In-depth study of the administration of early childhood programs with emphasis on remediation techniques and interdisciplinary approaches. Prerequisite: SPED 490, Early Learning Experiences for the Handicapped Child. 0800-1600, MTWRF. ECAM-10. H. Owens

## **SPED 540** **Early Intervention Programs (2)**

Term II: June 25-July 6

Current practices in medical, therapeutic and educational intervention techniques used in the habilitation of handicapped children ages birth through six. 1300-1600, MTWRF. ECAM-14. H. Owens

## **SPED 541** **Assessment of Infants and Preschoolers (2)**

Term II: July 9-July 20

Use of appropriate tools and procedures in diagnosing and evaluating young children's needs, leading to relevant educational programming. 1300-1600, MTWRF. ECAM-23. H. Owens

## **SPED 575** **Introduction to the Consultant Teacher in Special Education (2)**

Term III: July 30-August 10

Introduction to the principles and practices of a consulting teacher model in special education. Focus on instructional delivery appropriate for providing direct and indirect services to handi-

capped children in mainstream classrooms. 0900-1200, MTWRF. ECAM-10. M. Friend

## **SPED 576** **Communication Skills for the Consulting Teacher (2)**

Term III: July 30-August 10

Emphasis on the interpersonal skills necessary for the consulting teacher in special education. Exploration of variables involved in developing cooperation between consultants and regular classroom teachers. 1300-1600, MTWRF. ECAM-10. M. Friend

## **SPED 588** **Administration of Special Education Programs (3)**

Term III: July 31-August 23

Investigation of existing special education administrative units, pupil placement procedures, student staffings, program reimbursement procedures, and federal funding models. 1600-2030, TR. ECAM-22. J. Pearson

## **SPED 595** **Special Education: Internship (4)**

May 29-August 24

Internship in special education settings under the direction and supervision of classroom and university faculty. Prerequisite: Teaching credential and consent of instructor. Tally card required. TBA. Staff

## **SPED 598** **Studies in Education (2)**

May 29-August 24

A research paper or project on an educational issue selected jointly by the student and the graduate adviser. It will be reviewed by the student's graduate committee. Tally card required. TBA. Staff

## **SPED 599** **Thesis (3-4)**

May 29-August 24

The thesis problem is chosen from the candidate's major field of concentration and must be approved by the candidate's graduate committee. Candidates are expected to defend their thesis in a final oral examination conducted by their committee. Tally card required. TBA. Staff

# ENGLISH

## **ENGL 101** **College English (4)**

Term I: May 29-June 22

This course helps students develop college reading, thinking, and writing skills through repeated practice and frequent feedback. We focus on "tradition" — we might interpret and assess the concept and apply it to social phenomena, fiction, and areas of research. Class meetings often consist of laboratory work in thinking, reading, and writing. Assignments include a journal, several short papers, and a research project. Fulfills General University Requirement in writing. 1230-1515, MTWRF. ADMN-212. D. Johnson

## **ENGL 252** **British Literature Since 1750 (4)**

Term I: May 29-June 22

A survey of over 200 years in British literary history, from the breakup of the neoclassical world to the emergence of the atomic one, from the elegant, urbane satires of Pope to the disturbing urban mosaics of T.S. Eliot. We'll cover the literary landscape of the Augustans, Romantics, Victorians, and Moderns — their poetry, drama, and fiction — and consider the cultural currents that are both reflected in the literature and, to



some extent, responsible for it. Representative works by Swift, Johnson, Wordsworth, Byron, Keats, Tennyson, Browning, Joyce, Lawrence, and Woolf. Fulfills General University Requirement in literature.

0930-1215, MTWRF. ADMN-212. T. Campbell

### **ENGL 327A01/527A01** **Imaginative Writing** **Workshop: Fiction (2)**

Term SE II: June 28-August 23

This course deals with techniques of writing and rewriting fiction. Stories usually fail because the writer has missed opportunities in the material. Find out how to spot those opportunities and use them to strengthen stories. The course includes class discussion and individual conferences with the instructor. Jack Cady has published five novels and two collections and his work appears in ten national anthologies.

1830-2130, R. ADMN-212. J. Cady

### **ENGL 327B02/527B02** **Imaginative Writing** **Workshop: Literary** **Journalism (2)**

Term SE II: June 26-August 21

In the past several years an exciting literary form has gained national recognition. Literary journalists combine the techniques of fiction with the investigative resources of journalism, as seen in the work of Joan Didion, John McPhee, and Tracy Kidder. The class includes research, discussion, and conferences with the instructor. Cliff Rowe worked twenty years as a professional journalist before joining the PLU faculty.

1830-2130, T. ADMN-212. C. Rowe

### **ENGL 328** **Advanced Composition (4)**

Term III: July 30-August 24

Concentrates on the writing "process" — generating ideas, drafting, revising, and editing—with a special focus on understanding how writing affects readers.

The format of discussion and small-group workshops requires consistent attendance and active participation. We work with a number of purposes and forms, and students create and develop writing projects based on individual interests and needs. The goal is to produce publishable-quality prose by the end of the term. Fulfills General University Requirement in writing. Prerequisite: Tally card required if taken to fulfill GUR. Obtain tally card from English department, Administration building room 220.

0930-1215, MTWRF. ADMN-212. C. Hale

### **ENGL 343** **20th Century American** **Fiction and Drama (4)**

Term I: May 29-June 22

A study of novels and plays by some of the best writers of the last 80 years. The course highlights American writing of the Jazz Age (the Twenties) and more contemporary work of the Sixties and Seventies. Includes novelists like Fitzgerald, Hemingway, Faulkner, Heller, and Pynchon, and drama by O'Neill, Miller, and Shepard. Requires extensive time for reading and four short papers. Fulfills General University Requirement in literature.

0930-1215, MTWRF. ADMN-214. D. Martin

### **ENGL 392** **20th Century British** **Literature (4)**

Term III: July 30-August 24

From the Irish Literary Renaissance to the "absurd" vision of Pinter, this course addresses mostly poetry, drama, and short fiction plus a few novels and films. The focus falls on a dozen major figures, including Yeats, Joyce, Lawrence, Woolf, Mansfield, Orwell, Lessing. Participants are expected to do all reading, participate in class discussion and activities, and prepare two short papers. Fulfills General University Requirement in literature.

0930-1215, MTWRF. ADMN-214. J. Marek

### **ENGL 440** **Seminar: Saul Bellow (4)**

Term II: June 25-July 20

Saul Bellow is perhaps the finest American writer of his generation. His nine novels, three novellas, and two volumes of short stories have brought him three National Book Awards, a Pulitzer Prize, and the 1976 Nobel Prize for Literature. We consider his rebellion against such Modernist clichés as Eliot's Wasteland and Hemingway's code hero, his response to Freudians, his use of his Jewish heritage and writers such as Joyce, and how he helps us comprehend the Holocaust. Includes frequent in-class writing, an analytical paper, and a final exam. Each student's regular attendance and participation are essential. Some prior experience in college-level literature is expected. Fulfills General University Requirement in literature (with instructor's consent). Prerequisite: Tally card required if taken to fulfill GUR. Obtain tally card from English department, Administration building room 220.

0930-1215, MTWRF. ADMN-214. G. Johnson

### **ENGL 565** **Advanced Placement** **Institute: English (2)**

Term WW: July 23-July 27

An intensive course for high school faculty involved in AP English courses. Based on the premise that successful Advanced Placement teachers combine extensive knowledge of both literature and of advanced composition with an assured command of teaching strategies. Without knowledge, obviously even a fascinating teacher merely entertains. Without teaching skills, of course, even an encyclopedic mind fails to communicate. Both knowledge and teaching techniques, therefore, are emphasized in this intensive study of AP English.

0900-1600, MTWRF. ADMN-212. E. Johnson

# HEALTH EDUCATION

(See Physical Education also)

## HEED 501A01 First Aid/CPR (1)

June 4-June 8

This course meets requirements for the American Red Cross Standard First Aid and Personal Safety. Fee: \$5  
1830-2130, MTWRF. OGYM-105. G. Nicholson

## HEED 501B02 Food & Health (1)

Term I: June 4-June 8

Topics include nutrients and their metabolism, dietary guidelines, food fadism, labeling, additives, vegetarianism, obesity and nutrition for special populations.  
1830-2130, MTWRF. OGYM-104. P. Hoseth

## HEED 501C03 Stress Without Distress (1)

June 11-June 15

Consideration of stress, what people should know about stress, how to reduce the harmful effects of stress, and the relationship of increased stress to disease problems.  
1830-2130, MTWRF. OGYM-105. P. Hoseth

## HEED 501D04 Family Life/ Sex Education (1)

July 2-6\*

Topics include: Instructional materials, teaching ideas, responsible decision making and skill building activities in the area of sexuality education. \*July 4 is a University holiday, no classes.  
1800-2200, MTRF. OGYM-105. P. Hoseth

## HEED 501E05 School Health (1)

June 25-June 29

Health concepts which relate to the total school health program. Primary emphasis on instructional materials and teaching ideas.  
1830-2130, MTWRF. OGYM-105. P. Hoseth

## HEED 501F06 Health Fitness Management (2)

June 25-July 13\*

Increase your awareness, knowledge and skills in the area of health and fitness management. Consider the applied and theoretical issues that are associated with the development, implementation and evaluation of health and fitness programs in a variety of community settings such as schools, clinics, and corporations. Current trends in the organization and administration of health and fitness programs is also included.  
\*Meets June 25-29 and July 9-13.  
0900-1200, MTWRF. OGYM-104. T. Evans

# HISTORY

## HIST 109 East Asian Societies (4)

Term I: May 29-June 22

A historical overview of the traditional cultures, traditions, and lives of the people of China and Japan. Discussion of the lives of peasants, emperors, merchants, and warriors in each society. Attention to the great technological and artistic developments in each society.  
0930-1215, MTWRF. XAVR-114. S. Rubert

## HIST 325 Reformation (4)

Term II: June 25-July 20

Political and religious crisis in the

16th century; Lutheranism, Zwinglianism, Anglicanism, Anabaptism, Calvinism, Roman Catholic reform; Weber thesis, the beginnings of Baroque arts.  
0930-1215, MTWRF. XAVR-114. P. Nordquist

## HIST 399 Internship (1-6)

May 29-August 24

Arrangements made with instructor prior to May 15; have completed one course in history and one year in college; tally card signed by instructor must accompany registration.  
TBA. A. Martinson

## HIST 401 International Sports & Diplomacy in the 20th Century (2)

Term WW: July 23-July 27

The use of sporting competitions as a medium of international diplomacy. Focus on 1990 Goodwill Games in the Puget Sound area. Perspectives on Olympic games of the past and how they were used as diplomatic tools or as world-wide promotional designs. Reading, viewing films, discussions, opportunities for field observations and work. For further information call 535-7296. Limited enrollment.  
0900-1600, MTWRF. ADMN-213. B. Kraig

## HIST 461 West and Northwest (4)

May 29-August 24

An interpretive research and writing project on community history, normally, one's hometown, structured to individualized study. On-site research in communities required, according to current guidelines. Class orientation first week required. Can be used by teachers and prospective teachers in meeting curriculum requirements. Limited enrollment. Tally card signed by instructor must accompany registration; students are advised to meet with the instructor in early May. Call (206) 535-7648 for further information.  
TBA. A. Martinson

## HIST 502 Advanced Placement Institute: History (2)

Term WW: July 23-July 27

The main ideals and interpretations of American history from colonial times through the early 1970s. Mornings are organized chronologically with each day devoted to a period of American history. Afternoons are used for informal discussions on organizing the Advanced Placement course, teaching methods, reading loads, written assignments and other issues faced by AP History teachers. Participants who have had some experience teaching AP History are encouraged to bring with them samples of their teaching materials to share with the class.

0900-1600, MTWRF. XAVR-114. W. Carp

## LANGUAGES

(Please see Classics, page 13)

## MATHE- MATICS

(See Computer Science also)

## MATH 128 Math for Business & the Behavioral Sciences (4)

Term SE I: May 29-July 26

Linear programming, and introduction to differential and integral calculus to business. Concepts are developed intuitively with applications. Use of mathematical tools stressed throughout the course. Prerequisite: Two years of high

school algebra or MATH 111, College Algebra or equivalent.  
1830-2130, TR. RCTR-220. R. Benkhalti

## MATH 151 Analytic Geometry and Calculus I (4)

Term SE II: June 25-August 23

Analytic geometry, functions, limits, derivatives and integrals with applications. Prerequisite: MATH 140, Functions, Analytic Geometry and Probability; or equivalent.

1830-2130, MR. RCTR-222. G. Peterson

## MATH 245 Discrete Structures (4)

July 2-August 3

Provides the mathematical background necessary for upper division work in computer science. Sets, relations, functions combinatorics, probability and graph theory and their relation to topics in computer science. Techniques of logical reasoning including methods of quantified logic, deduction, induction, and contradiction are taught and applied throughout the course. Prerequisite: MATH 152, Analytic Geometry and Calculus.

1100-1310, MTWRF. MGYM-103. G. Hauser

## MATH 323 Modern Elementary Math (4)

June 25-July 27

Concepts underlying traditional computational techniques; a systematic analysis of arithmetic; an intuitive approach to algebra and geometry. Intended for elementary teaching majors. Prerequisite to EDUC 326, Mathematics in the Elementary School. Prerequisite: Consent of instructor.

1100-1310, MTWRF. MGYM-101. K. Batker

## MATH 551 Advanced Placement Institute: Calculus (2)

July 23-July 27

There is considerable discussion under way in the mathematics community as to what should be taught in calculus and how it should be taught. The "lean and lively" approach suggests that calculus be made conceptual rather than computational, with increased geometric reasoning and an emphasis on application and approximation. The Institute focuses on all three of the necessary categories: (1) content, (2) pedagogy, and (3) new directions in calculus. Designed for in-service secondary math teachers who are teaching or are planning to teach AP calculus in high school. Selected topics from single-variable calculus which lead to practical applications are discussed, along with strategies for the effective teaching of these topics. Concentrates on subject matter and on ideas for effective teaching.

0900-1600, MTWRF. RCTR-220. G. Anderson

## MUSIC

### Piano Performance Institute

June 25-July 13

For junior and senior high school students. For brochure, write: Dr. Calvin Knapp, Coordinator, Piano Performance Institute, Music Department, Pacific Lutheran University, Tacoma, WA 98447.

0800-1700, MTWRF. C. Knapp

## MUSI 105 Mechanics of Music (4)

Term I: May 29-June 22

A practical introduction to the mechanics of music, including music-reading, keys, scales, chords, and basic harmonic progression. Daily lab sessions provide beginning keyboard skills and opportunities for hands-on exploration of musical concepts. Meets Core I



requirements in Arts/Literature, line 1. 1000-1130, MTWRF. \* \*Plus lab 1200-1300 or 1300-1400 daily. EAUD-227. R. Farner

**MUSI 202-219 or  
MUSI 502-519  
Private Instruction (1-2)**

June 25-August 24

The Department of Music offers private instruction in a variety of media, subject to instructor availability. Contact the Music Office for lesson, credit and tuition details at (206) 535-7601.

**MUSI 341A  
Music for Classroom  
Teachers: Orff-Schulwerk  
(2)**

Term WW: July 23-July 27

Methods and procedures in teaching elementary school music as well as infusing the arts in the curriculum, employing Orff-Schulwerk techniques. Offered for students preparing for elementary classroom teaching (non-music education majors).

0900-1600, MTWRF. EAUD-228. J. Burns/K. Burns

**MUSI 341B  
Music for Classroom  
Teachers: World Cultures  
(2)**

Term WW: July 23-July 27

Methods and techniques in teaching elementary school music employing music and other arts from world cultures. Offered for students preparing for elementary classroom teaching (non-music education majors).

0900-1600, MTWRF. EAUD-227. L. Jessup

**MUSI 501A  
Piano Literature  
Workshop (1)**

June 18-June 22

Representative piano literature of

composers of the Baroque, Classical, Romantic, Impressionistic and 20th Century periods are discussed, analyzed and studies. Open to teachers of piano and to those interested in furthering their knowledge of music.

0900-1200, MTWRF. EAUD-228. C. Knapp

**MUSI 501B  
Piano Pedagogy  
Workshop (1)**

June 18-June 22

Teaching the piano from the beginning lesson through the advanced level. Open to those interested in teaching piano as well as piano teachers interested in a refresher course.

1300-1600, MTWRF. EAUD-228. C. Knapp

**MUSI 501C  
Master Teacher Workshop  
for Music Specialists: Orff-  
Schulwerk (1)**

Term WW: July 23-July 27

Intensive week-long study with a master teacher in music, focusing on Orff-Schulwerk techniques. Taught in conjunction with MUSI 341A. Write for special brochure, Department of Music, Pacific Lutheran University, Tacoma, WA 98447.

0900-1600, MWTRF. EAUD-228. J. Burns/K. Burns

**MUSI 501D  
Master Teacher Workshop  
for Music Specialists:  
World Cultures (1)**

Term WW: July 23-July 27

Intensive week-long study with a master teacher in music, focusing on music and other arts from world cultures. Taught in conjunction with MUSI 341B. Write for special brochure, Department of Music, Pacific Lutheran University, Tacoma, WA 98447.

0900-1600, MTWRF. EAUD-227. L. Jessup

*I took a summer class between high school and college. It made me feel more comfortable walking into my first class my first day of college. I knew what to expect.*

*-- Rebecca Lewis, Fine Arts, '93*



### MUSI 501E Choral Workshop (2)

July 30-August 3

Sessions exploring rehearsal techniques, vocal development, conducting technique, and music style. Clinicians explore problems and new ideas for all levels: junior high, senior high, college and church. Includes a packet of literature selected by each clinician. Featured clinician: Daniel Moe of Oberlin College Conservatory of Music. The workshop group gives a short informal concert conducted by Dr. Moe and other clinicians in the beautiful acoustics of Christ Episcopal Church. Available for no credit, \$190 (register for MUSI 501M). Write for special brochure, Department of Music, Pacific Lutheran University, Tacoma, WA 98447. 0900-2100, MTWRF. EAUD-227. E. Harmic

### MUSI 501F Music Computer Workshop: Introduction to Systems (1)

August 6-August 10

An introduction to the hardware, software and techniques behind music making with the microcomputer. Both lecture and hands-on sessions explore the M.I.D.I. revolution in sound synthesis, sequencing and score production, using both Macintosh and IBM-compatible (DOS) computers. 0900-1200, MT\*. EAUD-227. C. McTee \*Plus Lab 1300-1600, Libr Comp Ctr. G. Youtz

### MUSI 501G Music Computer Workshop: Macintosh Systems (1)

August 6-August 10

A workshop to provide hands-on experience with music sequencing and score production on three of the most popular Macintosh programs: *Professional Performer™*, *Professional Composer™*, and *Finale™*. 0900-1200, WRF. EAUD-227. C. McTee

### MUSI 501H Music Computer Work- shop: DOS Systems (1)

August 6-August 10

A workshop to provide hands-on experience with music sequencing and score production on three of the most versatile programs for IBM compatibles *MasterTracks Pro™*, *MusicPrinter Plus™*, and *Score™*. 1300-1600, WRF. Libr-Comp Ctr. G. Youtz

### MUSI 501J Solo Voice Literature (1)

June 25-29

Write for special brochure, Department of Music, Pacific Lutheran University, Tacoma, WA 98447. 1300-1600, MTWRF. EAUD-227. B. Poulshock

### MUSI 501K Vocal Jazz Workshop (2)

August 20-August 24

A workshop specifically designed to equip teachers of all levels with repertoire and rehearsal skills necessary for the inclusion of the vocal jazz idiom in a choral curriculum. The main activity of the week is "rehearsal sessions," where workshop participants learn and sing specially selected vocal jazz literature. Some participants serve as conductors for these sessions, during which rehearsal techniques, vocal jazz style, improvisation and microphone techniques are discussed. Available for no credit, \$190. (register for MUSI 501L). Write for special brochure, Department of Music, Pacific Lutheran University, Tacoma, WA 98447. 0900-1600, MTWRF. EAUD-227. C. Bleecker

### MUSI 501L Vocal Jazz Workshop (0)

August 20-August 24

Same as MUSI 501K, but for no credit.

0900-1600, MTWRF. EAUD-227. C. Bleecker

### MUSI 501M Choral Workshop (0)

July 30-August 3

Same as MUSI 501E, but for no credit. 0900-2100, MTWRF. EAUD-227. E. Harmic

### MUSI 529 Topics in Music Theory (4)

Term II: June 25-July 20

In depth study of selected topics in music theory. 0930-1215, MTWRF. EAUD-227. T. O'Neal

### MUSI 532 Music Bibliography and Research Techniques (2)

Term II: June 25-July 20

Survey of the main research tools available for advanced work in music. 1330-1530, MWR. EAUD-227. G. Youtz

### MUSI 542 Topics in Music Education (1)

Term III: July 30-August 24

In depth study of selected topics in music education. Co-requisite: MUSI 501C or MUSI 501D. 1830-2030, W, plus lab TBA. EAUD-228. K. Grieshaber

### MUSI 590A Distinguished Pipe Organs of the Pacific Northwest (2)

July 7-July 21

A charter bus tour beginning in San Diego, California and concluding in Seattle, Washington, with visits to a wide variety of mechanical action (tracker) organs installed in the west in the last 20 years including historic as well as new

instruments. Write for special brochure, Anglican Heritage Tours, 3683 Midway Drive Suite G, San Diego, CA 92110. TBA. D. Dahl

**MUSI 596**  
**Research in Music (1-4)**

May 29-August 24  
Independent study card required; see Music Department. TBA. Staff

**MUSI 599**  
**Thesis (1-4)**

May 29-August 24  
You may register at any time during the summer prior to August 1. Independent study card required; see Music Department. TBA. Staff

**APPLIED  
HEALTH  
SCIENCES**

**(See Nursing also)**

**APHS 501**  
**NCAST II: Assessment of  
Parents and Infants (3)**

Term II: June 25-July 20  
This course is designed to provide individuals with new techniques, tools, knowledge, and skills in caregiver-child assessment. Students will learn a variety of caregiver-child interactional concepts including: how caregivers and infants sensitize, care, and teach each other; and the role that the home environment plays in the psychosocial and cognitive development of the child. Students will learn systematic observation of caregiver-infant interactions and gain reliability in the use of several standardized assessment tools. Fee: \$70 Tuition: \$190 per semester hour.  
0900-1200, MTW. RAMS-205. P. Page

**NURSING**

**(See Applied Health  
Sciences also)**

**NURS 423**  
**Physiological Nursing II (3)**

July 16-August 23  
Selected complex pathophysiological disorders of a life threatening or chronically disabling nature in adults. Nursing interventions based on understanding the bio-psycho-social disruptions and means of restoring balance to attain optimal level of functioning. RN's only. Prerequisites: NURS 322, Psychosocial Nursing: Clinical; NURS 324, Psychosocial Nursing; NURS 333, Physiological Nursing I; NURS 342, Physiological Nursing I: Clinical; NURS 352, Nursing in the Childbearing Years; NURS 362, Nursing in the Childbearing Years: Clinical. Tuition: \$297 per semester hour.  
0800-1200 and 1300-1700, W. RAMS-203. S. Goodwin

**NURS 433**  
**Physiological Nursing II:  
Clinical (3)**

July 16-August 21  
Clinical application of bio-psycho-social, cultural, and spiritual concepts in the care of adult clients in acute care settings. Use of the nursing process and emphasis on cognitive, interpersonal, and psychomotor/technological skills. RN's only. Prerequisite: prior or concurrent enrollment in NURS 423, Physiological Nursing II. Tuition: \$297 per semester hour.  
Clinical: 0700-1500, MT. Location TBA. S. Goodwin

**NURS 436**  
**Community Health  
Nursing: Families (3)**

May 29-July 13  
Application of family theory and nursing models to the analysis of needs

and care of family clients in community settings. Identification of major public health problems, levels of prevention, health seeking behaviors, health screening, and nursing management of high-risk families. RN's only. Prerequisites: NURS 322, Psychosocial Nursing: Clinical; NURS 324, Psychosocial Nursing; NURS 333, Physiological Nursing I; NURS 352, Nursing in the Childbearing Years; NURS 362, Nursing in the Childbearing Years: Clinical. Tuition: \$297 per semester hour.  
0800-1200 and 1300-1700, W. RAMS-203. L. Rhoades

**NURS 453**  
**Community Health  
Nursing: Clinical (3)**

May 29-July 10  
Clinical application of professional and technical skills in the care of families in community health agencies. Implementation of complex nursing interventions in the home and ambulatory care settings. Refinement of interviewing and case management skills. Opportunity for independent judgment and decision making. RN's only. Prerequisite: Prior or concurrent enrollment in NURS 443, Physiological Nursing II: Clinical. Tuition: \$297 per semester hour.  
Clinical: 0700-1500 MT. Location TBA. L. Rhoades

**NURS 462**  
**Leadership in Nursing (2)**

May 31-August 23  
Analysis of professional roles and functions in health care delivery systems. Evaluation of the impact of organizational structures on professional nursing practice. Leadership and management styles, concepts of power and authority. Prerequisite: Senior standing in nursing. Tuition: \$297 per semester hour.  
0800-1000, R. RAMS-205. C. Schultz

**NURS 47201**  
**Issues and Trends in  
Nursing (2)**

May 29-August 24  
Analysis and evaluation of the impact of selected socioeconomic, ethico-legal,



and political aspects on professional nursing practice. Professional issues including entry level, credentialing, quality assurance, ethical decision-making and life-long learning. Prerequisite: Senior standing in nursing. Tuition: \$297 per semester hour.  
1000-1200, R. RAMS-205. C. Hansen

### **NURS 472B02** **Issues and Trends in** **Nursing (2)**

June 4-July 9

See course description above. Tuition \$297 per semester hour.  
TBA, M. TBA. C. Schultz

### **NURS 473** **Community as Client (3)**

May 29-July 11

Nursing strategies for problem solving in community or public health environments. Focus on community assessment, health planning, application of the change process, and health education for high-risk groups. Prerequisites: NURS 436, Community Health Nursing; Families; NURS 472, Issues and Trends in Nursing; and senior standing in nursing. Tuition: \$297 per semester hour.

Clinical: 0800-1600, MTW. Location TBA. Seminar: 1300-1500, R. RAMS-205. C. Schultz

### **NURS 474** **Nursing Synthesis (4)**

July 16-August 23

Synthesis of critical thinking, independent judgment, decision making, technical and leadership skills in the delivery of health care in acute or chronic situations. Prerequisites: NURS 423, Physiological Nursing II; NURS 433, Physiological Nursing II; Clinical; prior or concurrent registration in NURS 462, Leadership in Nursing and NURS 472, Issues and Trends in Nursing; senior standing in nursing. Tuition: \$297 per semester hour.

Clinical: 0700-1500, MTW. Location TBA. Seminar: 1300-1500. R. RAMS-203. C. Hansen

### **NURS 511** **School Nursing I (3)**

Term II: June 25-July 19

Application of the nursing process to problems common to the K-12 school age population and prevalent in the school environment. Nurses' roles in the development and implementation of school health programs. Content to include assessment of the school age child, growth and development, screening, the exceptional child, school administration, school law, and role implementation. Tuition: \$190 per semester hour.  
0800-1100, MTWR. RAMS-202 G. Synoground

### **NURS 512** **School Nursing II (3)**

Term II: June 25-July 18

Leadership and management role development of the nurse in school health programs. Focus on development of strategies to assist students and teachers in preventing and/or identifying special problems as well as professional and community resources for support and treatment. Prerequisite: NURS 521, School Nursing I Practicum. Tuition: \$190 per semester hour.  
1300-1600, MTW. RAMS-202. G. Synoground

## PHILOSOPHY

### **PHIL 100** **Reasoning (2)**

Term III: July 30-August 24

The ability to identify and solve different kinds of problems is as basic and important as the ability to communicate. This involves not only reasoning to reach a solution, but also reasoning to present and defend the solution derived. This course teams students with a famous fictional detective in a series of mystery investigations designed to develop reasoning ability. Using an

interactive computer program, students learn how to apply many different reasoning tools and how to choose among them appropriately.  
0900-1030, MTWRF. ADMN-208. J. Nordby

### **PHIL 101** **Philosophical Issues (4)**

Term I: May 29-June 22

Introduces philosophy by focusing on its most distinctive characteristic, the formulating and criticizing of worldviews. Considers various worldviews and uses critical skills to assess them. Devotes time to discussion of such questions as: what makes an action right, or a person good? Can miracles occur, and if so, what would they prove? Are any of our beliefs certain? Readings range from the introductory to the sophisticated. Fulfills General University Requirement in Philosophy.  
0900-1200, MTWRF. ADMN-208. K. Cooper

### **PHIL 225** **Ethical Theory (2)**

Term I: May 29-June 21 \*

Addresses questions about right and wrong by reviewing and assessing major ethical theories in the Western tradition, from longstanding theories of Plato, Aristotle, the Stoics, and Kant to the more recent views of utilitarians, social contract theorists, and libertarians. Counts toward Philosophy general university requirement. \*First class meeting Tuesday, May 29.  
1800-2100, MR. ADMN-206. K. Cooper

### **PHIL 226** **Moral Problems (2)**

Term II: June 25-July 19

Examines controversial public and personal moral issues in light of ethical theories about what makes an act right. Issues include euthanasia, abortion, suicide, sexual morality, truth and deception, discrimination, and punishment. Fulfills general university requirement in Philosophy when paired with PHIL 225.  
1800-2100, MR. ADMN-206. G. Myrbo

**§PHIL 347**  
**History and Philosophy of Forensic Science (4)**

Term III: July 30-August 24  
 Presents the history of the forensic sciences presented by detailing advances in methods of identifying, preserving, analyzing, and processing evidence of all sorts, and of presenting that evidence in court. The course surveys some of the major developments in the forensic sciences, including areas such as serology, chemistry, physics, pathology, ballistics, psychology, and technology. As applied sciences whose methodology is driven by the need to produce results that withstand legal scrutiny, the forensic sciences have a unique philosophical stance. This stance is developed and alternative positions on the nature of evidence and rational proof, requirements for personal identity, and the effect of legal practice on scientific method are clarified and evaluated. 1300-1600, MTWRF. ADMN-206. J. Nordby

**PHIL 351**  
**Theory of Value (4)**

Term II: June 25-July 20  
 Examines traditional theories of value and critically explores the sociobiological literature and its implications for our understanding of value and beliefs in freedom, moral responsibility, and basic human dignity. Fulfills Philosophy general university requirement. 0900-1200, MTWRF. ADMN-206. G. Myrbo

**PHYSICAL EDUCATION**

**(See Health Education also)**

**PHED 100**  
**Personalized Fitness Program (1)**

Term I: May 29-June 21  
 To stimulate student interest in

functional, personally designed programs of physical activity; assessment of physical condition and skills; recommendation of specific programs for maintaining and improving physical health. Meets general university requirement for activity class. Required for graduation. 1230-1345, MTWR. ECAM-Gym. Sc. Westering

**PHED 151**  
**Beginning Golf (1)**

Term I: May 29-June 21  
 Activity course for men and women. Fee: \$5 activity fee 0800-0915, MTWR. OGYM-Field House. L. Marshall

**PHED 155**  
**Beginning Bowling (1)**

Term I: May 29-June 21  
 Activity course for men and women. Fee: \$22 activity fee 1100-1215, MTWR. UCTR-Bowl Alley. Sc. Westering

**PHED 163**  
**Beginning Badminton (1)**

Term II: June 26-July 19  
 Activity course for men and women. Fee: \$5 activity fee 1830-2100, TR. ECAM-Gym. S. Adachi

**PHED 165**  
**Racketball/Squash (1)**

Term I: May 29-June 22  
 Activity course for men and women. Fee: \$5 activity fee 1230-1345, MTWR. OGYM-Racquetball Ct. L. Marshall

**PHED 177**  
**Weight Training (1)**

Term I: May 29-June 22  
 Activity course for men and women. 0930-1045, MTWRF. Fit-Center. Sc. Westering

**PHED 182**  
**Low Impact Aerobics (1)**

Term II: June 25-July 19  
 Activity course for men and women. 1230-1345, MTWR. Fit-Center. Su. Westering

**PHED 183**  
**Power Aerobics (1)**

Term I: May 29-June 21  
 Activity course for men and women. 1700-1815, MTWR. Fit-Center. Su. Westering

**PHED 193**  
**Intermediate Badminton (1)**

Term III: July 30-August 23  
 Activity course for men and women. Fee: \$5 activity fee 1830-2100, TR. ECAM-Gym. S. Adachi

**PHED 222**  
**Jazz Dance (1)**

Term I: June 18-June 22  
 Explore beginning jazz dance techniques. Work on a set warm-up and combining different dance combinations to improve your skills. Dance to a wide variety of taped music, explore technique, composition and improvisation for a lively week of dance. 0900-1200, MTWRF. ECAM-Gym. M. Seal

**PHED 234**  
**Relaxation Techniques (1)**

Term I: June 18-June 22  
 Intensive workshop to introduce series of relaxation exercise s. 1400-1700, MTWRF. ECAM-Gym. M. Seal

**PHED 281**  
**Injury Prevention (2)**

Term I: May 29-June 22  
 Prevention, treatment, and rehabilita-

tion of common injuries sustained in athletics; physical therapy by employment of electricity, massage, exercise, light, ice, and mechanical devices. Fee: \$15  
0930-1045, MTWRF. OGYM-105. G. Nicholson

### **PHED 288** **Teaching Methods in** **Weight Training (1)**

Term I: June 11-June 15

Planning, teaching, spotting and safety in teaching weight training. 1800-2100, MTWRF. OGYM-106. Sc. Westering

### **PHED 322** **Elementary School Physical** **Education Workshop (2)**

July 23-August 3

Organization and administration of a developmental program for grades K-6; sequential and progressive programming; large repertoire of activities. For undergraduates. 0930-1230, MTWRF. OGYM-105. J. Poppen

### **PHED 399** **Internship (4)**

Dates TBA

Experiences closely assigned to your career and academic interests. You identify problems to be researched, experiences to be gained and pertinent reading. Approved firm/organization mutually agreed upon by you and program coordinator. Grade determined by monthly progress reports, evaluations by supervisor and other measures of achievement. Application forms for internship available from the School of Physical Education office.  
TBA a.m. D. Olson

### **PHED 480** **Exercise Physiology-** **Lab (2)**

Term I: May 29-June 21

To be taken concurrently with PHED

481. Provides students with the opportunity to practically apply the information discussed in PHED 480. Discussion also directed towards the practical application of the concepts and principles of exercise physiology in school, clinic and corporate environment.  
0800-0915, TR. OGYM-106. T. Evans

### **PHED 481** **Exercise Physiology (2)**

Term I: May 30-June 22

The class considers the scientific basis and physiological effect of physical activity on the human body. Prerequisites: BIOL 205 and 206, Human Anatomy and Physiology.  
0800-0915, MWF. OGYM-106. T. Evans

### **PHED 491** **Independent Study (1)**

Dates TBA

Directed study, reading and research on selected topics approved and supervised by instructor. Instructor's signature on independent study card prior to registration.  
TBA. D. Olson

### **PHED 501A01** **Adapted Physical Education** **in the Mainstream (1)**

Term II: July 9-July 13

This workshop is for physical educators who need to know how to attempt to meet individual needs and education in the least restrictive environment. There will be information regarding assessment, IEP planning, curriculum choices, teaching techniques and behavior management. The workshop is taught using the developmental approach and leads to a better understanding of sensory (motor system development, locomotor and manipulative skill development and cognitive/play/social skills development).  
1830-2130, MTWRF. OGYM-104. M. Kluge

### **PHED 501B02** **Elementary School Physical** **Education Workshop (1)**

Term WW: July 23-27

New and practical activities in fitness development, movement education, games, and rhythmical activities are emphasized. Activities are appropriate for K-6, both for classroom teachers and physical education specialists. Class management, organization and evaluation techniques are presented. For graduate students or those who have completed PHED 322, Elementary School Physical Education. Prerequisite: PHED 322, Elementary School Physical Education.  
1830-2130, MTWRF. OGYM-105. J. Poppen

### **PHED 501D04** **Psychological Skills for** **Peak Performance (1)**

Term WW: July 23-July 27

The aim of this course is to enable athletes of all levels to enhance their performance through mental training. Among the techniques used are relaxation, mental rehearsal, stress management, positive thought control and goal setting. It is a practical, "hands-on" course for performers at any age and any level of ability.  
1830-2130, MTWRF. OGYM-106. C. Hacker

### **PHED 501E05** **Rhythms & Dance for** **Elementary & Middle** **School PE (1)**

August 13-August 17

A participatory oriented workshop featuring practical rhythmical activities for elementary and middle school students. Focus on creative rhythmic themes, folk dance progressions, novelty dances, and use of music to motivate fitness.  
1830-2130, MTWRF. ECAM-Gym. J. Poppen



**PHED 530**  
**Contemporary Issues in Physical Education** (4)

Term III: July 30-August 24  
 Utilizes an historical and philosophical framework to study the current issues in the profession today. For graduate students.  
 0800-1045, MTWRF. OGYM-104. Staff

**PHYSICS**

**PHYS 153**  
**General Physics** (4)

Term II: June 25-July 20  
 A calculus-level survey of general fields of physics, including classical mechanics, wave motion, and fluid mechanics. Concurrent registration in PHYS 163, laboratory, is required. Prerequisite: Math 151, Analytic Geometry and Calculus.  
 0900-1100, MTWRF. TR 1300-1600. RCTR-220. D. Frantzvog

**PHYS 154**  
**General Physics** (4)

Term III: July 23-August 17  
 A calculus-level survey of general fields of physics, including electromagnetism and optics. Concurrent registration in PHYS 164, laboratory, is required. Prerequisite: Math 152, Analytic Geometry and Calculus.  
 0900-1100, MTWRF. TR 1300-1600. RCTR-220. D. Frantzvog

**PHYS 163**  
**General Physics Laboratory** (1)

Term II: June 25-July 20  
 Basic laboratory experiments are performed in conjunction with the General Physics sequence. Concurrent registra-

tion in PHYS 153 is required.  
 1300-1600, TR. RCTR-220. D. Frantzvog

**PHYS 164**  
**General Physics Laboratory** (1)

Term III: July 23-August 17  
 See description under PHYS 163, above. Concurrent registration in PHYS 154 is required.  
 1300-1600, TR. RCTR-220. D. Frantzvog

**POLITICAL SCIENCE**

**POLS 350**  
**Religion and American Politics** (4)

Term I: May 29-June 22  
 Examination of the role of religion in American politics from the Puritans to the present. Particular attention is paid to constitutional issues, such as the free exercise and establishment clauses; to contemporary issues, such as the influence of religious groups in political parties; and to international issues, such as religious groups and values in foreign policy making.  
 0930-1215, MTWRF. ADMN-204B. D. Olufs

**POLS 363**  
**Government, Media and Public Policy** (4)

Term III: July 30-August 24  
 The role of mass media in American government, politics, and policy. Examines media coverage in contexts of news formation, expression, and effect. Attention to political culture, public opinion, polls and surveys, press freedom and responsibility, and governmental regulation, secrecy, and manipulation.  
 0930-1215, MTWRF. XAVR-114. W. Spencer

**T**he relaxed atmosphere and smaller class sizes during the summer session make courses more interesting and individualized.

-- Marguerita Russell,  
 Communication Arts, '90



**POLS 502**  
**Advanced Placement**  
**American Government (2)**

Term WW: July 23-July 27

An intensive course for high school faculty involved in AP American Government courses. Designed to aid both the new AP teacher and experienced AP teachers.

0900-1600, MTWRF. TBA. Staff

## PSYCH- OLOGY

**PSYC 101**  
**Introduction to**  
**Psychology (4)**

Term I: May 29-June 22

An introduction to the scientific study of behavior; scientific methods for studying the behavior of living organisms; topics such as motivation, learning, emotion, intelligence, personality, adjustment, and social behavior.

0930-1215, MTWRF. ADMN-202. C. Hansvick

**PSYC 221**  
**Psychology of**  
**Adjustment (2)**

Term I: June 18-June 22

Problems in personal adjustment in everyday living.

0900-1600, , MTWRF. XAVR-204. J. Moritsugu

**PSYC 335**  
**Development: Infancy**  
**to Maturity (4)**

Term II: June 25-July 20

Physical, intellectual, social and emotional growth from infancy through

adolescence to maturity. Prerequisite: PSYC 101, Introduction to Psychology. 0930-1215, MTWRF. XAVR-204. M. Brown

**PSYC 401**  
**Asian American**  
**Experience (2)**

Term WW: July 23-July 27

Lectures, tours and meals presented to familiarize students with the Asian community in the area. Historical, sociological and psychological material on the Asian experience; provides students with a perspective on one of the more ethnically diverse minority communities in the Northwest. Coverage includes Japanese, Chinese, Vietnamese, and Filipino cultural groups. \$50 meal fee to be paid to instructor on first day of class.

0900-1600, MTWRF. XAVR-204. J. Moritsugu

**PSYC 450**  
**Psychological Testing (4)**

Term III: July 30-August 24

Survey of standardized tests; methods of development; standardization; limitations and interpretations of tests. Prerequisites: PSYC 243, Scientific Methods; a course in statistics, or instructor's consent.

1230-1515, MTWRF. XAVR-114. B. Baird

**PSYC 460**  
**Learning: Research and**  
**Theory (4)**

Term I: May 29-June 22

Experimental studies and theories of learning. Lecture, discussion and demonstrations. Prerequisite: Minimum 12 hours in Psychology.

0930-1215, MTWRF. ADMN-209. J. Nolph

**PSYC 570**  
**Externship I (2-4)**

May 29-July 2

An opportunity to develop counseling and/or assessment skills in a setting in which these professional services are offered. Classroom focus on case conceptualization and presentation. Prerequisite: PSYC 515, Assessment I and/or PSYC 540, Counseling Methods.

Tuition: \$297 per semester hour. 1600-1700, M. XAVR-203. J. Moritsugu

**PSYC 577**  
**Externship II (2-4)**

July 9 - August 20

See description under PSYC 570, above. Tuition: \$297 per semester hour. 1600-1700, M. XAVR-203. B. Baird

## RELIGION

**RELI 121**  
**The Christian Tradition (4)**

Term II: June 25-July 20

The study of selected theological questions and formulations examined in their social and historical contexts.

0930-1215, MTWRF. ADMN-204A. D. Killen

**RELI 131**  
**Religions of South Asia (4)**

Term I: May 29-June 22

Hinduism, Buddhism, Jainism, and Sikhism — their origins and development, expansion, and contemporary issues. Emphasis on primary sources in translation.

0930-1215, MTWRF. ADMN-206. P. Ingram

### RELI 132 Religions of the Far East (4)

Term SE I: May 30-July 25

Confucianism, Taoism, Chinese and Japanese Buddhism, Shinto, and the "new religions" of Japan—their origins, development, and contemporary issues. Emphasis on primary sources in translation.

1830-2130, MW. ADMN-208. P. Ingram

### RELI 211 Religion and Literature of the Old Testament (4)

Term III: July 30-August 24

Literary, historical, and theological dimensions of the Old Testament, including perspectives on contemporary issues.

0930-1215, MTWRF. ADMN-216. J. Petersen

### RELI 226 Christian Ethics (4)

Term II: June 25-July 20

An introduction to the personal and social ethical dimensions of Christian life and thought with attention to primary theological positions and specific problem areas.

1230-1515, MTWRF. ADMN-216. D. Klinefelter

### RELI 231 Myth, Ritual, Symbol (4)

Term III: July 30-August 24

An examination of the nature of myth and its expression through symbol and ritual. Attention given to pre-literate mythology, Asian mythology, and Occidental mythology and the role these mythological traditions have played in the development of modern ethical, social, and religious values.

1230-1515, MTWRF. ADMN-206. R. Brock

### RELI 332 The Life of Jesus (4)

Term I: May 29-June 22

A study of the life and teachings of Jesus; a historical survey of "Life of Jesus" research, form and redaction criticism of the Gospel tradition; the religious dimensions of Jesus' life and thought.

0800-1045, MTWRF. ADMN-216. S. Govig

### RELI 333A01 Biblical Studies: Parables (2)

Term I: May 29-June 21

The study of the parables of Jesus in the context of their time. The parables are compared to each other and their message for today explored.

1530-1900, TR. ADMN-216. S. Govig

### RELI 333B02 Biblical Studies: Interpreting the Old Testament (2)

Term III: July 30-August 23

Analysis of leading bodies of the Hebrew scriptures to see how modern interpreters understand the significance of the Hebrew traditions.

1530-1900, TR. ADMN-216. J. Petersen

### LITE Lutheran Institute for Theological Education Summer Institute of Theology (1)

A week of study for laity, lay professional workers, clergy and families. Guest lecturers: Dr. Larry Rasmussen, Reinhold Niebuhr, Professor of Social Ethics, Union Seminary; Dr. Terence Fretheim, Professor of Old Testament, Luther Northwestern Theological Seminary; Rev. Doug and Joan Anderson, pastor/counselor and family therapist, Seattle. Sessions held each morning and evening, with several interst groups in the afternoon led by guest lecturers and others. Tuition fee - \$100; Credit fee - \$58; room and board additional. For further information, contact the LITE Office, Pacific Lutheran University, Tacoma, WA 98447 or call (206) 535-7242.



## SOCIOLOGY

### SOCI 291

#### Social Issues: Illiteracy (2)

July 5-August 24

This course focuses on developing the teaching and tutoring skills of class participants so that class members can be tutor of undereducated adults. Major themes center upon understanding the developmental, social and emotional issues of adults with reading, writing, or computational handicaps; tutoring methods and curriculum content; interpersonal communication skills and motivational techniques for tutors; and personal and community resources to support adult reading learners. Class participants tutor adult literacy clients concurrently during the duration of the class.

1730-2100, TR, TBA. T. Johnstone/B. Strobe

### SOCI 330

#### The Family (4)

Term I: May 29-June 21

Analysis of the changing nature of the family as a system of social positions and roles. Examination of the family from a sociohistorical and cross-cultural perspective. Topics include love relationships, marriage, family positions and roles, family types, parenthood, socialization, retirement, divorce and remarriage, and the relations of the family to the institutions of education and work.

0900-1215, MTWR. XAVR-203. A. Biblarz

### §SOCI 401

#### Work in American Society (2)

Term WW: July 23-July 27

Examination of the changing nature of work in American society, incorporating both an historical analysis and an examination of contemporary changes in

the economy. Legislation which impacts the workplace of the 1990s is also discussed.

0900-1600, MTWRF. XAVR-203. B. Cochrane

## SOCIAL WORK

### SOCW 431\*

#### Cross Cultural Skills for the Helping Professions (2)

Term III: July 30-August 10

This course explores the values, traditions, and communication behaviors of the major multicultural groups in this country. The main focus is upon the students' awareness of their own cultural values and traditions and how this perspective is a part of intercommunication attitudes and experiences of persons with different cultures. Course centers on two simultaneous learning activities: (1) the student's growth in awareness of one's own culture and value, and (2) the student development communication skills in interrelationship activities with persons of different cultures. \*May also taken EDUC 503T17, page 21.

0900-1200, MTWRF. ECAM-22. T. Johnstone

### SOCW 432\*

#### Changing Human Behavior (2)

Term WW: July 23-July 27

This course identifies key interviewing and communication skills to effectively facilitate change in human behavior. The student will learn skills for helping people deal with loss, crisis, and distress. Emphasis is given to crises counseling with children and adolescents. \*May also be taken as EDUC 503N13, see page 21.

0900-1600, MTWRF. ECAM-23.G. Hiam

### SOCW 472

#### Social Work Practice (4)

Term III: July 30-August 24

Provision of a theoretical base and requisite skills for direct service in social work. Within a generalist framework the following intervention models are presented: the systems model, the task-centered model, problem-solving theory and the common human needs model.

Tally cards required.

0930-1215, MTWRF. ECAM-23.G. Hiam

### SOCW 475/476

#### Field Experience (4)

May 29-August 24

Supervised field work with an agency or institution. Application/integration of knowledge, theory and understanding. Development of skills common to social work. Prerequisite: Consent of instructor and tally card required.

TBA. J. Keller

## MARRIAGE AND FAMILY THERAPY

### MFTH 512

#### Professional Studies in MFT (3)

May 29-July 11\*

Professional ethics and Washington State laws which affect clinical practice are studied including family law, legal responsibilities, rules of confidentiality and inter-professional cooperation. Further study explores licensure, certification and the role of professional organizations.

\*Also meets Friday, June 22, 8:30 am-4:30 pm. In addition, students are required to attend court for 13 hours.

Tuition: \$297 per semester hour.

1800-2120, W\*. ECAM-22. C. Storm/C. York

## MFTH 519 Practicum I (2)

May 29-September 7

The four semesters of practica are part of a continuous process toward developing specific therapeutic competencies in work with marriage and families. The practica present a competency-based program in which each student is evaluated regarding: (1) case management skills; (2) relationship skills; (3) perceptual skills; (4) conceptual skills; and (5) structuring skills. Tally card required. Tuition: \$297 per semester hour.

TBA. C. Storm/C. York

## MFTH 520 Theory I (2)

May 29-August 15

The three semesters of theory taken in conjunction with MFTH 519, 521, and 523 constitute an in-depth study of one approach of marriage and family therapy with an emphasis on applying theory in practice. Tally card required. Tuition: \$297 per semester hour.

TBA. C. Storm/C. York

## MFTH 521 Practicum II (2)

May 29-September 7

See description under MFTH 519, above. TBA. C. Storm/C. York

## MFTH 522 Theory II (2)

May 29-August 15

See description under MFTH 520, above. TBA. C. Storm/C. York

## MFTH 523 Practicum III (2)

May 29-September 7

See description under MFTH 519, above. TBA. C. Storm/C. York

## MFTH 524 Theory III (2)

May 29-August 15

See description under MFTH 520, above. TBA. C. Storm/C. York

## MFTH 525 Practicum IV (4)

May 29-August 15

See description under MFTH 519, above. TBA. C. Storm/C. York

# SOCIAL SCIENCES

## SSCI 505 Research Methods (4)

Term SE I: May 29-July 20

Basis research concepts applied to laboratory, field, and bibliographic studies. Topics include formulating research questions, research designs, data gathering techniques, analysis of data, and theory construction. Emphasis on understanding and evaluation rather than conducting research. Tuition: \$297 per semester hour.

1730-2030, TR. XAVR-114. D. Swanson

# STATISTICS

## STAT 231 Introductory Statistics (4)

Term I: May 29-June 22

Descriptive statistics: measured of ential statistics: generalizations abouta populations from samples by parametric and nonparametric techniques. Methods covered include estimation, hypothesis testing, simple correlation analysis, linear regression, chi square analysis, and analysis of variance. Not applicable to mathematics credit. Prerequisite: background equivalent to a pre-calculus course.

0800-1045, MTWRF. ADMN204A. R. Jensen

## Rights and Responsibilities

Upon registration, the student and his or her parents or legal guardian, as the case may be, agree to accept the responsibility and legal obligation to pay all tuition costs, room and board fees, and other special fees incurred or to be incurred for the student's education. The University, in turn, agrees to make available to the student certain educational programs and the use of certain University facilities, as applicable and as described in the catalog. A failure to pay all University bills shall release the University of any obligation to continue to provide the applicable educational benefits and services, to include statements of honorable dismissal, grade reports, transcript of records, diplomas, or pre-registrations. The student shall also be denied admittance to classes and the use of University facilities. Under certain circumstances student paychecks may be applied to unpaid balances.

All accounts 60 days delinquent are routinely reported to a credit bureau. Pacific Lutheran University does not discriminate on the basis of sex, race, creed, color, national origin, age, or handicapped condition in the education programs or activities which it operates and is required by Title IX of the Education Amendments of 1972 and the regulations adopted pursuant thereto, by Title VII of the Civil Rights Act of 1974, and by Section 504 of the Rehabilitation Act of 1973 not to discriminate in such manner. The requirement not to discriminate in educational programs and activities extends to employment therein and to admission thereto. Inquiries concerning the application of said acts and published regulations to this University may be referred to:

1. The Director of Personnel, Room 107, Hauge Administration Building, Pacific Lutheran University, telephone (206) 535-7185, for matters relating to employment policies and grievance procedures for personnel employed by the university.
  2. The Deputy Provost, Room 104, Hauge Administration Building, Pacific Lutheran University, telephone (206) 535-7125, for matters relating to student admissions, curriculum, and financial aid.
  3. The Director of Counseling and Testing Services, Room 106, Ramstad Hall, Pacific Lutheran University, telephone (206) 535-7191, for matters regarding administrative policies relating to students, student services, and the student administrative grievance procedure.
  4. The Director of Counseling and Testing Services, Room 106, Ramstad Hall, Pacific Lutheran University, telephone (206) 535-7191, for matters relating to the application of Section 504 of the Rehabilitation Act.
  5. The Director of the Academic Advising and Assistance Center, Ramstad Hall, Pacific Lutheran University, telephone (206) 535-7519, for matters relating to the academic grievance procedure.
  6. Or the Assistant Secretary for Civil Rights, U.S. Department of Education, Switzer Building, 330 C Street SW, Washington, D.C. 20202.
- Pacific Lutheran University complies with the Family Education Rights and Privacy Act of 1974. Inquiries concerning the application of this act and published regulations to this university may be referred to the Executive Secretary to the Vice President and Dean for Student Life, Room 130, Hauge Administration Building, Pacific Lutheran University, telephone 206 535-7191, or the Family Education Rights and Privacy Office, Department of Education, 330 Independence Avenue SW, Washington, D.C. 20201, telephone (202) 245-0233.

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MR.

MISS

MRS. Your name: \_\_\_\_\_

# REGISTRATION FORM

\_\_\_\_\_ Last

\_\_\_\_\_ First

\_\_\_\_\_ MI

\_\_\_\_\_ Maiden

\_\_\_\_\_ SOC. SEC. NUMBER

**PLEASE PRINT**

Semester \_\_\_\_\_

COURSE IDENTIFIER	AUDITS / REPEATS	SEMESTER HOURS	MON	TUE	WED	THU	FRI	SAT

**AUDITING? INDICATE "A"  REPEATING? INDICATE "R"**

IF YOU ARE CURRENTLY ATTENDING PLU AND IF YOUR ADDRESS REMAINS UNCHANGED YOU NEED NOT COMPLETE THE REMAINDER OF THIS FORM.

### ADDRESS WHILE AT PLU

### PERMANENT ADDRESS

Street/P.O./Dorm \_\_\_\_\_

Street/P.O. \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone No. \_\_\_\_\_

Telephone No. (Include area code) \_\_\_\_\_

Do not print my address information in the student directory

Ethnic Origin (Optional)

( ) White Non-Hispanic ( ) Asian or Pacific Islander

( ) Black Non-Hispanic ( ) Hispanic

( ) American Indian or Native Alaskan ( ) Non-Resident Alien

DATE OF BIRTH \_\_\_\_\_

Religious Preference (Optional) \_\_\_\_\_  
*(If Lutheran, indicate ELCA (formerly ALC, LCA, AELC) LCMS, or other)*

HAVE YOU TAKEN CLASSES AT PLU BEFORE?  YES  NO

IF YES, WHEN? \_\_\_\_\_

ARE YOU A 4-YEAR COLLEGE GRADUATE?  YES  NO



PACIFIC LUTHERAN UNIVERSITY

(Please print)

### SUMMER SCHOOL HOUSING APPLICATION

(Last name) \_\_\_\_\_ (First) \_\_\_\_\_ (M.) \_\_\_\_\_ M \_\_\_\_\_ F \_\_\_\_\_ / \_\_\_\_\_ (SSN) \_\_\_\_\_ (Date of Birth)

(Permanent Home Address) \_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip) \_\_\_\_\_ (Area Code) (Phone) \_\_\_\_\_

Housing Requested For:

( ) Term I: May 29-June 22

( ) Term II: June 25-July 20

( ) Term III: July 30-August 24

Advanced Placement Institution participants: Please call (206) 535-7143 for housing information.

Do you smoke? \_\_\_\_\_ Would you prefer a single room if available? \_\_\_\_\_ (See page 2 for rates.)

Please return this card and a \$25.00 non refundable housing deposit at least three weeks prior to your arrival on campus in order to reserve PLU housing. If you have questions regarding housing, please call (206) 535-7200. When we receive your housing request, we will respond by mailing you a confirmation letter.

(Person to notify in case of emergency) \_\_\_\_\_ (Phone) \_\_\_\_\_ (Address) \_\_\_\_\_

(Signature) \_\_\_\_\_ (Date) \_\_\_\_\_

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



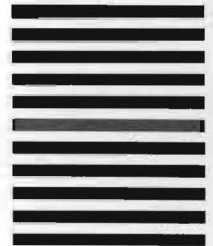
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Registrar's Office  
Pacific Lutheran University  
Tacoma, WA 98444-9980



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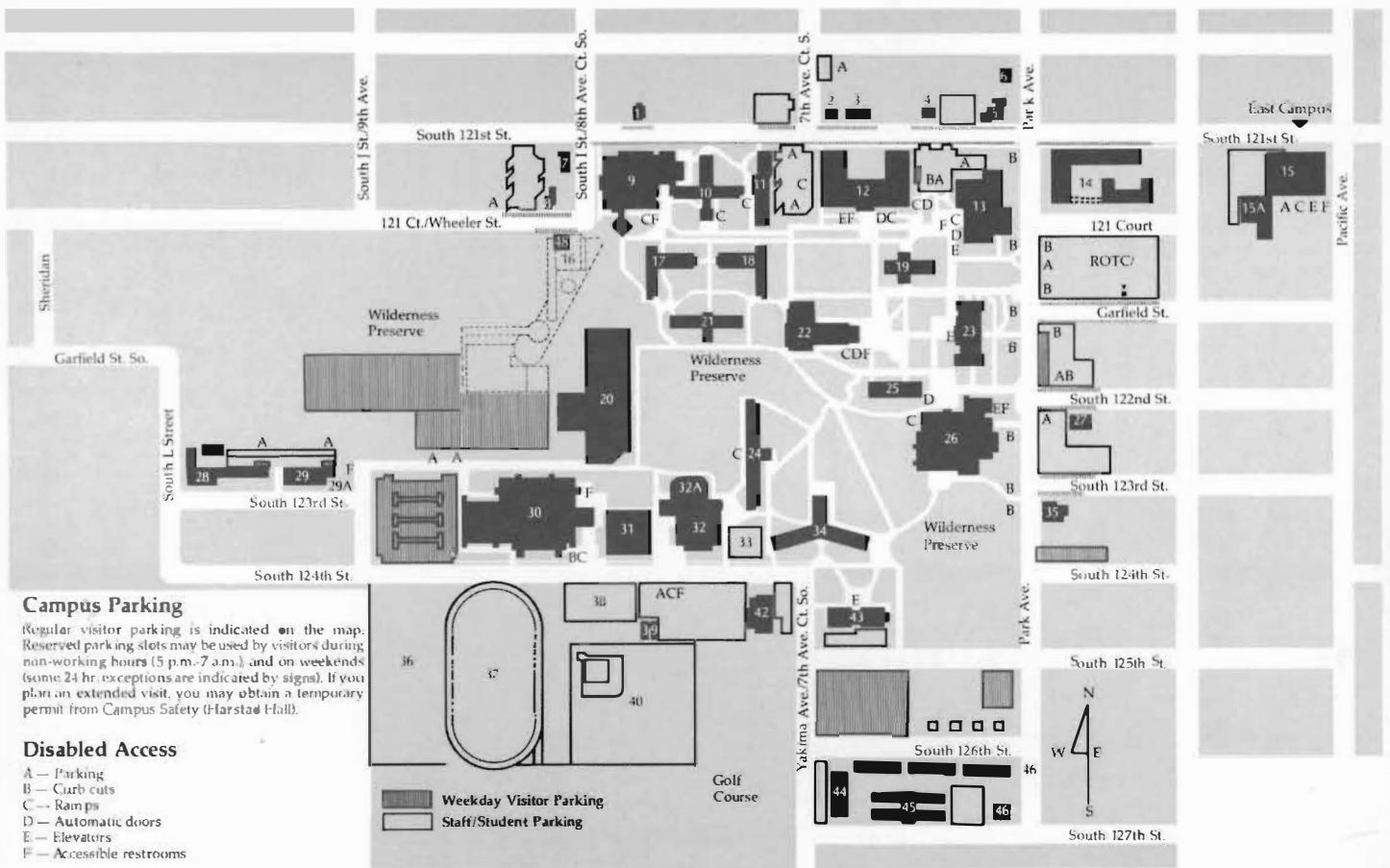


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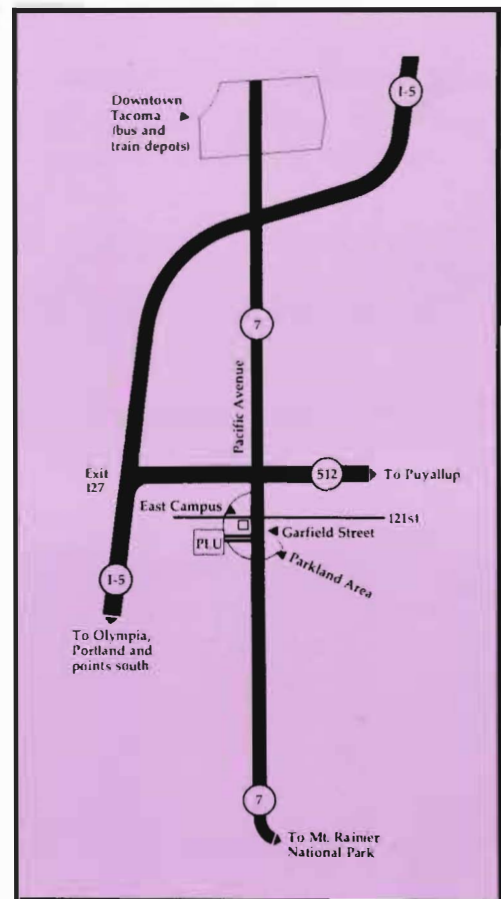
Residential Life  
Pacific Lutheran University  
Tacoma, WA 98444-9980





## CAMPUS LOCATIONS

- |   |  |
|---|--|
| Administration Building 12                                | Math Building 39                                     |
| Alumni 35   | Memorial Gymnasium 32                                |
| Baseball Field 40   | Microcomputer Resource Center 15                     |
| Blomquist House 2   | Mortvedt Library 13                                  |
| Campus Safety (in Harstad) 25                             | Music Annex 1  |
| Central Services 29                                       | Music (proposed) 16                                  |
| Chris Knutzen Fellowship Hall (in University Center) 26   | Names Fitness Center 32A                             |
| Coffee Shops- (University Center) 26 (Columbia Center) 42 | Nesvig Alumni Center 35                              |
| Columbia Center 42  | Olson Auditorium 30                                  |
| Delta Hall 44   | Ordal Hall 10  |
| Dunmire House 47  | Park Avenue House 6                                  |
| East Campus 15  | Pflueger Hall 34                                     |
| Eastvold Auditorium 22                                    | Physical Plant 28                                    |
| Evergreen Court 45  | Post Office 27                                       |
| Faculty House 3   | Public/Media Relations 35                            |
| Family Student Housing 46                                 | Ramsey House 8                                       |
| Fine Arts Building 9                                      | Ramstad Hall 25                                      |
| Food Service 26, 42                                       | Restaurants 26, 42                                   |
| Foss Hall 24  | Rieke Science Center 20                              |
| General Services Building 29                              | Security 23  |
| Golf Course   | Soccer Field 36                                      |
| Haavik House 7  | Special Education 15A                                |
| Harstad Hall 23   | Stuen Hall 11  |
| Hauge Administration Bldg. 12                             | Swimming Pool 31                                     |
| Health Center 5   | Television 12  |
| Hinderlie Hall 21   | Tennis Courts 33, 38                                 |
| Hong Hall 18  | Theatres 22, 32                                      |
| Ingram Hall 9   | Tickets 26   |
| Knorr House 4   | Tingelstad Hall (Alpine, Cascade, Evergreen, Ivy) 43 |
| KPLU-FM 22  | Track 37   |
| Kreidler Hall 17  | Trinity Lutheran Church 14                           |
| Library 13  | University Center 26                                 |
|   | Warehouse 29   |
|   | Xavier Hall 19                                       |





# 1990

## SUMMER SESSIONS

**Term I:** May 29 - June 22  
**Term II:** June 25 - July 20  
**Term III:** July 30 - August 24



Dr. Richard Moe  
Summer Sessions  
PACIFIC  
LUTHERAN  
UNIVERSITY  
Tacoma, Washington 98447