

INFO

A Newsletter for Continuing Education and Extension Students

Empower yourself



Completing a college education is hardly an endeavor for those who want instant gratification. Like most things in life worth having, it takes some dedication and time. But the personal satisfaction isn't gone in an instant either. This is a lifetime accomplishment, after all.

Your college degree from the University of Minnesota gains value for you every year. Regardless of when you started, when you finish, or how old you are. It can lead to a new career, better income, and graduate education. But even if it doesn't, when you step up on stage to receive that diploma, you know you've achieved something that you really wanted, something no one can ever take away from you.

Even if you work full time or have a family, you can take evening Extension classes from the University. Or you can enroll in Independent Study courses—specially designed college courses where you complete work on your own schedule and submit it to your instructor for evaluation.

The University of Minnesota is affordably priced, centrally located, and has been serving adult and part-time students for over 75 years through Continuing Education and Extension. More than 25 majors and degree options are available through Extension registration.

It may take a few years to complete college, and sometimes the demands on your time and energy will challenge you. In the end, only you can decide if finishing a college degree was worth it. But you'll always be a college graduate.

It's all in the new bulletin

Every year there's something new to report about the Extension Classes bulletin and what you'll find in it. The 1993-94 edition is no exception.

The new page size (approximately 6 inches by 9 inches) allows us to put the copy into two columns. That means shorter line lengths, easier reading, cleaner design, and a substantial savings in the number of pages (over 200 fewer than last year). The interior pages are printed on an uncoated recycled paper (and recyclable as non-newsprint paper).

Several policy and procedural changes were enacted last year. Remember that . . .

- Registration forms are included at the end of the regular bulletin pages; please use these forms and save us the cost of printing additional forms.
- VISA, Mastercard, and Discover are accepted in payment for tuition, fees, and books.
- You must pay tuition when you register (unless you have pre-approved permission for delayed payment, such as financial aid or third-party payment).
- Late fees apply to each course you register for late.
- The registration office in 101 Wesbrook Hall on campus is open 9 a.m. to 1 p.m. on the Saturday during in-person registration each term (Sept. 11 for fall quarter).
- Students admitted into degree programs who are designated as nonresident/nonreciprocity must pay the nonresident tuition rates.

continued page 2

Inside:

Graduate credit	
tuition changes	2
Financial aid	3
Fall registration	6

Policies changes for graduate tuition

Effective this fall quarter, students registering for graduate credit will find two tuition rates possible in certain 5000-level courses.

A **graduate credit** rate (\$99 a credit for residents, \$198 for nonresidents) is given for students seeking graduate credit who will not be applying those credits to a master's degree program offered through the University of Minnesota Graduate School. This represents a significant tuition difference compared to the **Graduate School credit** rate, which all students seeking graduate credit were required to pay last year.

Examples of students who may elect the graduate credit rate include:

- University of Minnesota students working on or admitted to an advanced degree program offered by another collegiate unit at the University (other than the Graduate School) such as the Master of Education degree (through the College of Education) or other professional master's degrees available through various colleges at the University.

- Students in graduate programs at other universities. Students should seek approval from their own institution **before** registering for graduate credit in a CEE course. The University assumes no responsibility for acceptance of credits earned through Extension in graduate programs at other schools.

- Students with bachelor's degrees who want to complete the course at the graduate level for possible transfer to a graduate program later. The inclusion of graduate-level courses on a University of Minnesota transcript neither implies nor guarantees that such course work will be approved for transfer to a University of Minnesota Graduate School program or any other master's degree program at the University or at other institutions.

Students **admitted** to the Graduate School must pay the Graduate School

tuition rate when they register for graduate credit in 5000-level courses or in 8000-level courses (only students officially admitted to the Graduate School may take 8000-level courses). The Graduate School tuition rate is \$171 for residents/reciprocity-approved students and \$342 for nonresidents.

Students who wish to transfer course work completed in CEE (for graduate credit) to the Graduate School record must pay the difference between CEE tuition and the Graduate School tuition. The tuition differential to be charged will be the difference between the rates in effect at the time the credits are transferred regardless of when the student registered for or attended the course.

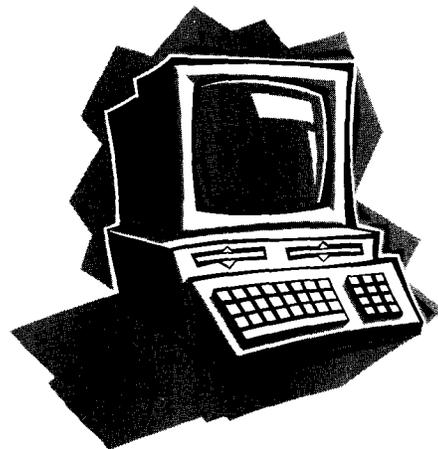
See the bulletin, pages 38-40, for complete information about earning and applying credits completed at the graduate level.

Check on registration holds

If you know (or even suspect) that you have a hold on your records because of an outstanding fee or fine, clear it up as soon as possible.

The new computerized registration system in Extension Classes is linked to your permanent record. The system will not permit you to register if you have a hold; no classes can be reserved and the regular data entry procedures in the registration process are locked out. **Registration staff cannot override the hold or even gain access to the registration**

mode for your student record until the hold is removed.



bulletin news

from page 1

For this year, note the following:

- A separate tuition rate is established for students seeking graduate-level credit who do not intend to apply those credits to a University of Minnesota Graduate School program (see related story).
- The returned-check fee has increased to \$20. This fee applies to checks returned for any reason (insufficient funds, account closed, stop-payment order). A hold is placed on the student's record until the fee is paid.
- Students enrolled for the first time at the University of Minnesota have a different refund schedule than returning students. The deadlines and amounts refundable for this schedule are more beneficial to the student. See page 50 or the reverse side of the fee statement.
- The University Bookstores have instituted an order-by-telephone procedure. You may charge your textbooks (and service fees) on Visa, Mastercard, or Discover. Shipping and handling is \$2.50 plus the actual UPS charge. You should be sure your space in class is confirmed and allow sufficient time for delivery if you plan to use this option. See the Bookstores section of the bulletin, page 17, for more details and special phone numbers.

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Wesbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

Info is a newsletter for University of Minnesota Extension Classes students published 9 times a year—August, September, October, November, December, January, February, March and April-May—by the Department of Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, Minnesota 55455. Second Class Postage Paid, Minneapolis, Minnesota. POSTMASTER: Send address changes to Info, Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455.

Students are encouraged to submit editorial opinions to the department. For address changes and name removals, see the instructions on the mailing panel.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

The contents of this publication and other University bulletins, publications, or announcements are subject to change without notice.

Need assistance with registration and program planning for fall quarter? Advisers and counselors at CEE Counseling are available to help you.

Fall quarter registration is the busiest time of the year so detailed advising and transcript evaluation may have to be postponed until later in the fall. However, advisers can assist you with course selection and other procedures for enrollment into Extension classes. (If you are new to University Extension, you may want to attend one of the information meetings described below.)

For your convenience, advisers can answer many of your questions by telephone. While phones may be very busy (resulting in a waiting period), advisers will respond to your questions as quickly as possible either when you call or by returning your phone call. Call 625-2500 for assistance.

Information meetings— the place to get started

Returning to school? Need to know how to register and what to take?

The Department of Counseling in CEE will offer two kinds of group information sessions designed for students new to the University. The sessions are scheduled several evenings during August and September, both on and off campus. You'll learn about different CEE programs and registration options.

Evening, correspondence, and media-assisted courses: Registration information sessions are for prospective students who wish to find out more about CEE and are considering taking evening classes or courses through independent study. These meetings will provide information on returning to school, the University and how it's organized, registration procedures, degree program admission and major requirements, and how to select courses. Financial aid information and referral for an assessment of financial aid eligibility also will be included.

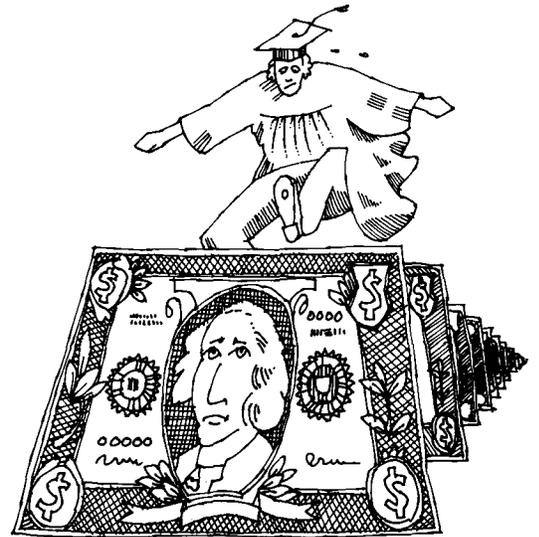
After the general information part of

the meeting, students will be able to meet in small groups related to their academic interests. In these groups, they will receive information specific to their intended area of study. There will be an opportunity to ask questions, and if students bring a transcript, they will be able to discuss transfer of credits.

Sign up for an information meeting by calling 624-0029.

Day courses: CEE day registration information sessions describe how adult and part-time students can take University day classes through Extension. Occasionally, CEE students cannot take classes in the evening, find it convenient to take day classes, or need a course that is offered only during the day. Students considering this option should discuss their plans with a CEE adviser before attending an information session. To talk with an adviser or sign up for a session, call 625-2500.

Call the CEE Department of Counseling (625-2500) if you have additional questions related to current or future enrollment in Extension programs.



Financial aid possibilities are open to adults, too

Formulas for assessing financial need for federal and state programs have changed substantially for 1993-94. Home equity now is excluded from the need analysis and more aid is available for students enrolled for one to five credits.

If you have never applied for aid, you are encouraged to do so. If you have had difficulty qualifying for aid in the past, you are urged to try again. When you complete the Free Application for Federal Student Aid (FAFSA), you will be considered for many of the major financial aid programs for which you meet the criteria, including Federal Pell Grant, Minnesota State Grant, Federal Stafford Loan, and campus-based aid. Other aid programs use separate applications.

Although there are numerous requirements for financial aid, there are many exceptions. Each program has its own criteria, and the process of exploring financial aid options involves matching your situation with individual program requirements. CEE Counseling staff are available to help you take the first step in investigating aid options. The "1993-94 Financial Aid Resources for Beginning and Returning Adults" publication, which is available at CEE Counseling, lists over 30 grant, scholarship, and loan programs for CEE students. For more information about financial aid, contact CEE Counseling, 314 Nolte Center, 625-2500.

"What tuition do I pay?"

Different tuition rates are listed with each degree credit course. (Exception: If you are registering for a course that has a course number beginning with zero, 0XXX, only one rate will be listed for that course.)

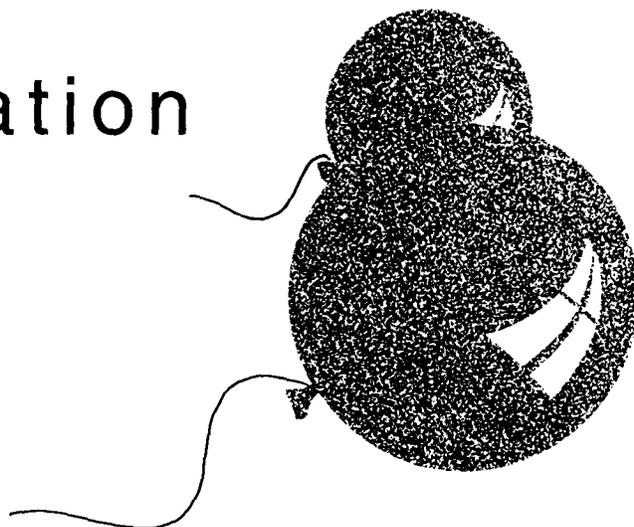
If you have been admitted to a degree program at the University of Minnesota and are classified as a nonresident, non-reciprocity student, you will need to pay nonresident tuition rates. Answer the questions below to determine your status; only one will apply.

- () I have never been admitted to a degree program at the University of Minnesota. (Pay Minnesota resident tuition rates.)
- () I have been admitted to a degree program at the University of Minnesota and am classified as a resident or reciprocity student. (Pay Minnesota resident tuition rates.)
- () I have been admitted to a degree program at the University of Minnesota and am classified as a nonresident, non-reciprocity student. (Pay nonresident tuition rates.)

Student status is subject to compliance review. Students must indicate their status and sign a confirmation of student status, similar to those indicated here, on the new registration form.

In addition, graduate credit tuition rates vary depending on whether you are classified as a resident or nonresident and whether you intend to apply the course to a University of Minnesota Graduate School program or not. See the bulletin, page 22, and the related story about graduate tuition in this issue of *Info*.

Education Fest ... You're invited!



Education Fest is an open house for you, the adult and part-time student.
Wednesday, Sept. 8, 5-8 p.m.

Nolte Center, Minneapolis Campus (East Bank)

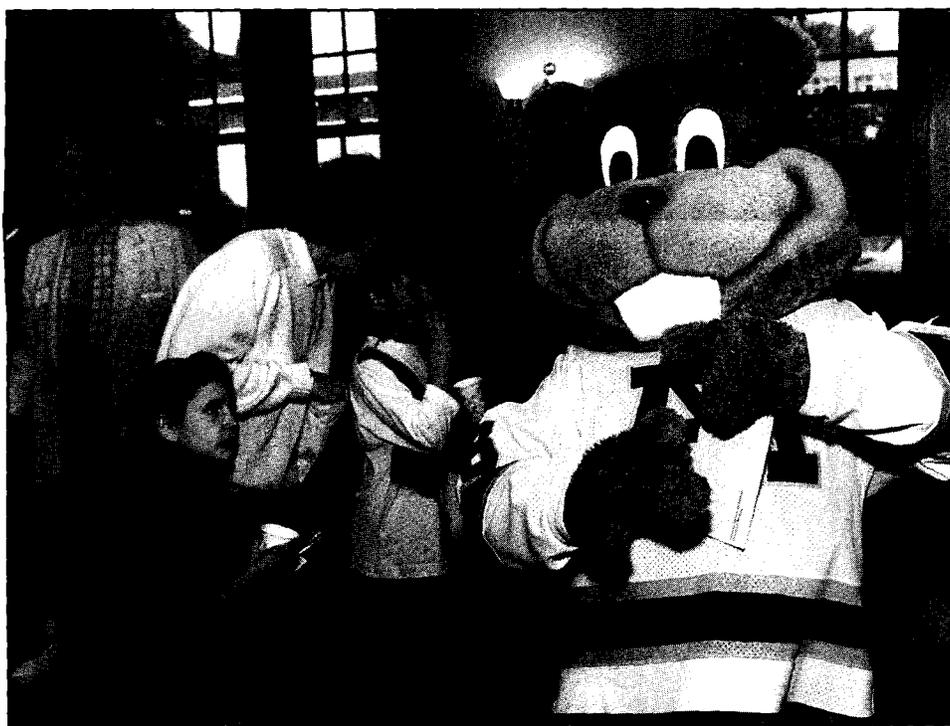
The atmosphere is informal, but there's plenty to do. For instance:

- Learn about degrees and classes
- Pick up catalogs, course information
- Get information about financial aid
- Shake hands with Goldy Gopher
- Free posters, bookmarks, other items
- Discover new learning opportunities: self-paced independent study courses, research internships, management seminars, teacher education, and much more.
- Park free!
- Talk with a program adviser
- Take a campus tour
- Register for prizes
- Refreshments

The registration office in Westbrook Hall is open until 8 p.m., and you may register for a fall quarter Extension class or independent study course that evening.

Free parking is provided in Nolte Garage on the evening of Education Fest. From University Avenue, turn right on 17th Avenue S.E. (Church Street on campus), and go one-half block to the garage entrance.

Have questions, need directions? Call 626-1633.



Come to our open house, Sept. 8, 5-8 p.m., at Nolte Center, Goldy Gopher and a lot of other characters (Extension staff) will be on hand to welcome you to the University and tell you about learning opportunities through CEE.

Tuition rates for 1993-94

Tuition for Extension classes varies by course level and the per-credit rate of the college offering the credits. The tuition rate times the number of credits the course carries—plus any course fees or special fees—determines the course cost.

In addition, Extension students who are admitted to University degree programs and classified as nonresident/non-reciprocity students must pay the nonresident tuition rate.

Tuition and other fees are given with each course listed in the Extension Classes bulletin.

All 1000-level courses, regardless of college, are \$70 a credit for residents, reciprocity, and non-degree students. Certificate credit courses, entrance-credit courses, and most other 0000-level courses have tuition computed at this rate, also.

For 3000- and 5000-level courses, the following per-credit tuition rates by college—or school or department in some cases—apply to resident/reciprocity students and non-degree students (subject to change without notice).

General College	73.50
Liberal Arts	73.50
University College	73.50
Public Affairs	82.50
Management	82.50
Architecture, Landscape Arch	82.50
Institute of Technology	82.50
Education	82.50
Human Ecology	82.50
Agriculture	82.50
Biological Sciences	82.50
Natural Resources	82.50
Nursing	82.50
Public Health	102.00
Health Science Units	102.00
Physical Medicine	102.00
Pharmacy	102.50
Veterinary Medicine	122.50
Medical School	128.00
Graduate School	171.00

The graduate credit rate (\$99 a credit for residents, \$198 for nonresidents) listed with many 5000-level courses applies to students seeking graduate credit who **will not be** applying the credits to an advanced degree program offered through the University's Graduate School. This rate applies, for example, to professional master's degrees programs such as the M.Ed. degree offered through the College of Education.

For credits to be applied in a University of Minnesota Graduate School program, the tuition rate is \$171 for residents/reciprocity-approved students and \$342 for nonresidents.

A handy guide to the bulletin

Even though the new 1993-94 Extension Classes bulletin is over 500 pages long, finding the courses or information you need isn't difficult if you follow some of the guides provided.

- The table of contents offers an overview of the bulletin's arrangement.
- The "calendar" for 1993-94 appears on page 8 and includes all key dates regarding registration and terms. See the office hours section on pages 9 and 10 for additional special dates such as holidays and term breaks.
- Cross references are included with many course listings for courses on related topics offered through other departments.

- Summary listings under topics such as health, human ecology, business, education, and engineering help direct you to the specific departments with the courses you want.
- Courses that also are offered through the Department of Independent Study (by correspondence, radio, television) have the notation **(IS)** after the tuition. Call 624-0000 to request an Independent Study bulletin. Independent Study allows you to take up to a year to complete course requirements working at your own pace and in your own place following a comprehensive study guide that directs your work in the course.

- A comprehensive index at the end of the bulletin features many single entries as well as broad topical lists such as photography, career-related courses, environmental courses, statistics, and many more.
- Page references, especially for important procedural or policy matters related to registration, dates, course information, grading, study aids, symbols, or degree requirements are included throughout the bulletin.
- A list of helpful telephone numbers appears on the front inside cover.
- The noncredit courses section of the bulletin has a purple margin border. The blue "special pages" section describes student services and special opportunities.

The Practical Scholar

Give it the old college try

Whether it's helping your teenager select a college or preparing for graduate school yourself, Compleat Scholar/Practical Scholar noncredit courses can help.

The college search, what to expect and what colleges expect, is covered in **Finding a College That Fits: Helping Your Child Make Choices** (PSch 0862). The one-evening course is designed to give parents and guardians an understanding of the college admissions process, information on resources, some important inside tips, and the confidence to be an active participant in this important part of your child's transition into adulthood.

Several courses are available to help you in preparing and planning for graduate school.

Deciding to Attend Graduate School (PSch 0605) explores the impact that completing an advanced degree can have on your professional and personal life. Topics: clarifying career/life goals; evaluating options; developing a plan of action. Discussion of factors and ques-

tions to ask in researching graduate programs. Meets Saturday morning, Oct. 2.

Applying to and Financing Graduate School (PSch 0606). Application process and planning, effective applications, financial aid options including scholarships, loans, grants, fellowships, assistantships. Meets Saturday morning, Oct. 16.

Preparing for the GRE (PSch 0610). Become familiar with the verbal, quantitative, and analytical questions presented on the Graduate Record Examination general test in this four-session course. Test-taking strategies, test simulation exercises in reading comprehension, antonyms, analogies, sentence correction, problem solving, quantitative comparison, data interpretation, and analytical/logical reasoning.

Also offered this fall or later in the year: **Assessing Math Skills for the GRE and GMAT for Graduate Admissions Exams** (PSch 0608).

Reviewing Math for the GRE or GMAT (PSch 0609)

Preparing for the GMAT (PSch 0611).

Preparing for the LSAT (PSch 0613).

The Compleat Scholar

The age of supercomputing

Supercomputers have the potential to revolutionize analysis of complex research questions. Learn the "what" (the architecture) and the "why" (the research that couldn't be done without this equipment) in a new noncredit course this fall, **A Look at the Supercomputer and Its Uses: A Machine for the Information Age** (CSch 0576).

Topics include discussion of the components, engineering, processes and capabilities, and the next generation of supercomputers.

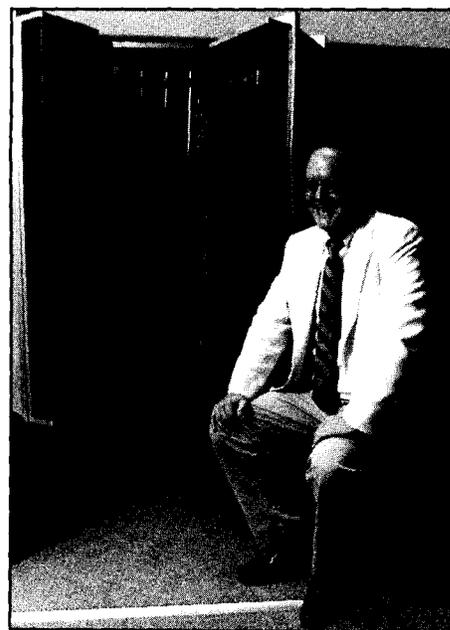
Classes include presentations by researchers studying:

- the increased use of recycled materials in paper production and resulting quality and structure of the paper;
- geophysical analysis of the Earth's interior;
- molecular and atomic chemical processes;
- protein structure and descriptions.

The course meets at the Minnesota Supercomputer Institute on Tuesday evenings for six weeks starting Oct. 5.

Masterpiece bulletin cover

The bulletin cover art, by local designer Brad Norr, combines graphic arts and fine arts techniques in a unique design that is actually a single photograph of the disparate elements. The column and the black background from which the crescent moon, stars, and human face are cut (they are backlit) are raised above the flats with the geometric patterns. Photography is by Steve Kemmerling. Norr also did the artwork for this year's Department of Independent Study bulletin and several other CEE publications.



Professor William Gleason, from the Bio-Medical Engineering Center, is one of the University researchers who will discuss how they use the supercomputer.

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 180 Westbrook Hall
 77 Pleasant Street S.E.
 Minneapolis, MN 55455

To correct your name or address on our lists, send the entire address panel and mailing label from your Info to Extension Classes, University of Minnesota, 180 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455. (Please allow two months for records to be corrected.)

Fall registration is here

Registration for fall classes begins this month. Dates and procedures are outlined here, but be sure to refer to the new 1993-94 Extension Classes Bulletin, pages 8 and 11-16, for complete information.

MAIL REGISTRATION

August 2 to September 15: Registration forms with checks will be accepted by mail at 101 Westbrook Hall for limited and nonlimited-enrollment classes. Use the registration forms bound in at the end of the bulletin.

You must include a separate check for each limited-class registration; nonlimited classes may be paid for with one check.

Fill out the new registration form completely (both sides). Social security numbers and birth dates are used for coding purposes. Include your University I.D. number if you have one. The form may be photocopied if you need additional forms.

Registrations are processed daily; early registrations (received before Aug. 2) will be returned to the student.

If your limited class is closed, your registration form and check will be returned. If there is an acceptable alternative section of a course you want, include an alternate choice form or a note giving your second and third choices.

IN-PERSON REGISTRATION

September 7-15: Registrations will be accepted at 101 Westbrook Hall on the Minneapolis campus; at the MacPhail Center, 1128 LaSalle Avenue, downtown Minneapolis; or at the St. Paul registration booth in the Norwest Center, Fifth and Minnesota. See page 11 in the bulletin for registration hours. All registration offices are closed weekends, except for

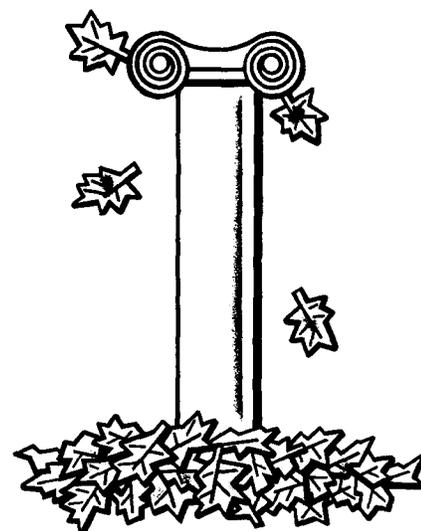
Saturday, Sept. 11, when the 101 Westbrook office is open 9 a.m. to 1 p.m.

The full amount of tuition and fees now is due when you register. You may charge tuition and fees on VISA, Discover, and MasterCard. (Delayed payment for students on financial aid and for third-party billings is permitted if arranged ahead of time.)

Off-campus classes: Students should register by mail for classes held at neighborhood centers. In-person registrations are not accepted at these school locations (Richfield High School and Roseville Area High School).

September 15 is the last day to register without a late fee for most fall quarter and fall semester classes.

Fall classes start Sept. 23 (Thursday) through Sept. 29 (Wednesday).



Early registration option exists

Students nearing completion of a degree or certificate program may obtain special permission to register early for required courses that have enrollment limits.

Submit a written request with transcripts or a letter from your major adviser verifying pending graduation within two quarters to the CEE Counseling Office, 314 Nolte Center. You must indicate the department, course number, and section number. Requests should be made at least two weeks before the start of the mail registration period in which you wish to register. Call CEE Counseling, 625-2500, for information.

For students not eligible for early registration, registration on the first day of

mail registration provides the best chance of getting space in a course that has limited enrollment.

Rec Sports info

The new University Recreation Center, adjacent to Cooke Hall and the aquatics center, opened last spring.

The facility includes two fitness centers, two gymnasiums, sixteen handball/racquetball courts, five squash courts, locker rooms, and a deli. Extension students may use recreational sports facilities with the purchase of the Extension Student Participation Permit. Call Rec Sports at 625-6800 for details.

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INFO

A Newsletter for Continuing
Education and Extension Students

Bookstores extend hours—again!

University bookstores have expanded hours again this year and are open later on weekdays with hours that should prove convenient for most Extension students. Regular hours and fall quarter special hours are given below; note that hours vary by bookstore.

The new regular hours are 8:30 a.m. to 6:30 p.m., Monday through Friday, at the University of Minnesota Bookstore—East Bank (Williamson Hall; formerly known as the Minnesota Book Center).

The University Bookstore—West Bank (H.D. Smith Bookstore) is open 8:30 a.m. to 5:30 p.m., Monday through Thursday (5 p.m. on Friday).

At the University Bookstore—Health Science (Moos Tower), hours are 8:30 a.m. to 6 p.m. on Monday and Thursday and 8:30 a.m. to 5 p.m. on Tuesday, Wednesday, Friday.

The University Bookstore—St. Paul (in the lower level at the St. Paul Campus Student Center; formerly Books Underground) is open 8:30 a.m. to 6 p.m., Monday through Friday.

In addition, University bookstores are open extended hours before classes begin and during the first week of each quarter to make it easier for you to shop for textbooks and course materials. The additional hours are given below for fall. (The first week of fall classes is considered Thursday-Wednesday, Sept. 23-29).

Note also that the bookstore in Williamson Hall is open all Saturdays during fall quarter (starting Sept. 11).

SPECIAL FALL TERM HOURS

University of Minnesota Bookstore—East Bank (Williamson Hall), 625-6000. Books for most departments in CLA, IT, Education, and General College.

Before classes begin: Monday, Sept. 20, through Wednesday, Sept. 22, 8:30 a.m. to 7 p.m.

First week of classes: Thursday, Sept. 23 through Wednesday, Sept. 29, 7:30 a.m. to 7:30 p.m.

Saturdays: Sept. 11 through Dec. 11, 10 a.m. to 4 p.m. In addition, hours are extended the first Saturday in the term, Sept. 25 (9 a.m. to 6 p.m.) and the Saturday of finals week, Dec. 11 (9 a.m. to 4 p.m.).

University of Minnesota Bookstore—West Bank (adjacent to Blegen Hall), 625-3000. Books for the School of Management, several CLA departments, and music education (see page 18 for listing).

First week of classes: Thursday, Sept. 23, through Wednesday, Sept. 29, 8 a.m. to 7:30 p.m. (Friday, Sept. 24, 8 a.m. to 6:30 p.m.).

Second week of classes: Thursday, Sept. 30, through Wednesday, Oct. 6, 8:30 a.m. to 6:30 p.m.

Saturdays: Sept. 18 and 25 and Oct. 2, this bookstore is open 10 a.m. to 2 p.m.; also Dec. 11 (finals week), 9 a.m. to 3 p.m.

University of Minnesota Bookstore—St. Paul (Student Center, lower level), 624-9200. Books for classes on the St. Paul campus.

First week of classes: Thursday, Sept. 23, through Wednesday, Sept. 29, 8 a.m. to 6:30 p.m.

University of Minnesota Bookstore—Health Science (2-544 Moos Health Science Tower), 625-8600. Books for courses in the health sciences.

First week of classes: Thursday, Sept. 23, through Wednesday, Sept. 29, 8 a.m. to 6:30 p.m.

Saturdays: Sept. 25 and Oct. 2, this bookstore is open 10 a.m. to 2 p.m.

* * *

Bookstores are closed on University holidays (Nov. 25, 26; Dec. 23, 24, 25, 31; Jan. 1).

Bookstore tips

- Most required textbooks are in stock before classes begin and may be purchased before or on the first night of class. You are urged to buy books early to assure the best selection of quality used books. (Note: Students in Composition courses should attend class before buying books).
- Generally, books are available at the bookstores on the campus where the department offices are located (even if the classes meet elsewhere). In the course offerings section of the bulletin, a note appears near the beginning of each department's listing identifying the appropriate bookstore to find books.
- You may call for book information and to check on textbook availability. Call early in the day and be ready to give the department and course number (rather than the course title or topic). This is especially important for General College courses or other colleges or departments with courses in a variety of areas.
- Be sure to save the sales receipt if you buy textbooks. If it becomes necessary, you may return books for a full refund through Oct. 6 provided you have the sales receipt and the books have not been marked, written in, or damaged in any way.
- The best time to sell your fall quarter books back to the bookstore is Dec. 6-11. Resale of your textbooks is not assured. The bookstore buys back books that have been identified for use in subsequent terms, in good condition, and only in quantities necessary to meet expected need.



College the way it should be

The heart of the University's curriculum has always been available through Extension Classes. Few other college evening programs can duplicate the range in offerings or the number of class sections offered (over 2,000 this year).

Now the soul is emerging. Through several new or recently developed unique courses, you can take small-group classes that stress interaction with University faculty, stimulating discussion with your peers, and scholarly achievement unequalled anywhere in the country. We call it the Academic Connection.

Several of the options are offered through Interdisci-

plinary Studies, Honors Seminars, and other collaborative efforts, coordinated through Extension Classes, by leading professors. Classes are offered for credit and meet degree requirements, but you need not be in a degree program to register. Some have special prerequisites, but most do not and are open to anyone. The object is to offer to adult and part-time students the specialized, in-depth learning that makes a college education something more than just taking classes.

Call 625-3898 for registration information about the Academic Connection courses listed below.

Ways of Knowing. In this popular course series (ID 5615-5616-5617), you join a faculty team of six professors who will explore ways of knowing in areas as diverse as art history, economics, biochemistry, genetics, Afro-American Studies, and sociology. How are the modes of inquiry and analysis in one discipline, such as sociology, different from or similar to those in another, such as biology? How are questions framed and research techniques developed in one area versus another? What can science researchers, social scientists, and humanities scholars learn from one another?

The three-quarter sequence is broken into 5-week segments, each one focusing on a different discipline. Faculty members participate in all sections, not just the one they teach.

Ethics: Who or What Has Moral Standing? (Phil 5760). Philosophy professor John Dolan and political scientist Terence Ball team up to address such questions as: Do animals have moral claims on humans? Do human fetuses have such claims? What about people in persistent comas or future generations? Includes theoretical writings, deductive and analytical skills.

Ojibwe History and Culture (AmIn 3026). The first of several courses in American Indian Studies now available evenings or through Extension registration. Other course topics this year: literature, music, education, women's literature, relationship to leisure and tourism.

Honors Opportunities. No Honors Seminars are scheduled for fall. See the bulletin, page 224, for descriptions of courses later in the year on literacy and cultural diversity and the history of education in imperial Russia; 3.50 g.p.a. required.

Garbage, Government, and the Globe (ID 5525-5526). This popular multidisciplinary course will be offered again this winter and spring. This year different topics are covered each term and you may register for either winter or spring quarter or both.

Jewish Women in the United States (WoSt 3403). Roles, stereotypes, media images, political and artistic contributions.

Minnesota Government and Politics (Pol3331). Political system, demographic and cultural setting, political and governmental processes, contemporary policies. Professor Charles Backstrom.

Agile Enterprise: Planning, Development, Implementation (OMS 3850). Agile enterprise uses computers to gain flexibility, respond quickly to customer needs, retain consistency and focus in projects, and work with those outside the organization such as vendors. Taught by James R. Schroer, Executive Fellow and Adjunct Professor, who has over 30

years of manufacturing management experience with Honeywell.

Biology and the Future of the Earth (Biol 3051). Environmental issues, air and water pollution, population growth, resource economics, biological diversity, energy. William P. Cunningham, biology professor and CEE teaching award winner.

Anthropology of AIDS (Anth 5920). Cultural, social, economic, medical, and psychological dimensions of AIDS. Professor William L. Rowe.

Techniques of Poetry (Engl 5651). Poetry analysis; form and sound: meter, stanza, euphony, free verse. George Wright, Regents Professor.

Wednesday is campus events day

In order to develop the sense of community and encourage student participation at the University, many initiatives are planned for this fall. The University Community Building Project (UCBP) has designated Wednesdays as a day when campus activities are emphasized; the committee has a theme, "What's On Wednesdays." Several special events are scheduled, starting with "Lunch With Leaders," on September 29 on Northrop Plaza, 11 a.m. to 1 p.m. Watch for announcements on campus and the WOW calendar in the Daily about this and other get-togethers, including the U F E S T 93 shindig.

U F E S T 93 is a UCBP celebration of the University community to welcome students, families, and friends and is offered as part of Homecoming festivities, Saturday, Oct. 23, 2 to 4 p.m., at the University Field House.



Computer fee ends

The charge to students for computer access laboratories has been dropped, and the Computer Access Card fee has been discontinued effective fall quarter. If you submitted the access card fee with your tuition payment, you can expect a refund within four to six weeks. Call the registration office, 625-3333, if you have questions.



Not just another employee workshop

Seminars Plus++ isn't the usual sort of professional development.

You know the routine—sit in a hotel meetingroom, listen to a self-proclaimed expert (who's usually on an extended road trip with a traveling seminar show), jot down a few pearls of wisdom that might apply to you, and forget it all the next day back at the office when you're facing deadlines and a stuffed in-box.

Seminars Plus++ is new from the Management Advancement Program (MAP). These career-based workshops deliver professional development with a difference. Here's why:

- These seminars are challenging . . . we ask you to think about what you're going to learn ahead of time and tell us in writing what you expect, what you need to know. All participants submit their questions and interests to the instructor about two weeks before the workshop.
- These seminars are locally based and new from the University . . . you'll be learning from experienced managers, experts with proven track records, and University faculty.
- These seminars keep on working for you and your staff because when the workshop is over, it's not over . . . you meet again in a brief follow-up session to discuss and evaluate your efforts and outcomes.

A preview of what MAP Seminars Plus++ can provide you—the kickoff workshop

For inspiration, the year begins here, with insight from a proven leader (and a tuition benefit for participants).



Boston

Upcoming seminars include the following:

Cultural Diversity: Managing Differences
Reality-Based Re-Engineering: Establish Better Systems

Front-Line Leadership Development

Business Communications: Developing

Your attendance is requested . . . and sometimes required

Attendance at the first meeting of your Extension class is mandatory in several departments and strongly recommended in all cases.

Remember that missing one evening class is often equivalent to missing an entire week of day school classes.

If you think you may not be able to attend the first night, contact your instructor so he or she knows you plan to continue in the course. It is wise to get assignments, handouts, and a syllabus before the second class meeting so you can keep up with written and reading assignments and be prepared for any quizzes or other in-class work.

If you do not attend the first class and you do not notify the instructor, your space may be forfeited.

The following departments have strict policies regarding attendance at the

Your Writing Skills

Street-Smart Advertising

Managing Transitions: Positive, Practical Roadmaps to Successful Change

Telephone the Management Advancement Program at 626-8713 for complete seminar descriptions.

first class meeting (check the departmental listing in the bulletin for details): Speech-Communication; Design; Art Education; Accounting; Learning and Academic Skills; Studio Arts, Composition; Alcohol and Drug Counseling Education Program (FSoS); and most departments in the College of Education.

Career preparation for the future: the information networking degree

Courses are being scheduled now for the new Bachelor of Information Networking (B.I.N.) degree program available through Continuing Education and Extension (pending final approval by the Higher Education Coordinating Board).

"The B.I.N. degree blends computer science, management and information systems, science and engineering, and hands-on practical experience into a unique career-oriented program," says adviser Nancy Gonzalez, who is working with the first student cohort group accepted into the program.

The new program is designed in response to the impact of rapid technological changes in the communication and information systems industries. The curriculum is designed to enable students to learn and apply information processing and management principles, understand the science and computer applications that are related to the process, and work with data over various networks and between different platforms.

The upper division course work is offered at North Hennepin by the University of Minnesota. The program is one of the first efforts of the Twin Cities Higher Education Partnership in offering articulated programs between institutions.

For information about admission requirements, call Nancy Gonzalez at 625-0132 or Jackie Henning at 625-6683.

"From the Playing Fields to the Executive Suite: Lessons To Keep and To Leave Behind As We Shape Our Organizations"

Presented by Dr. McKinley Boston, Director of Men's Intercollegiate Athletics, University of Minnesota.

America's playing fields and athletics have been called training grounds for organizational leadership and lifelong responsibility. But this "transmission" of leadership and team skills is not a given!

In this workshop, McKinley Boston will look at the notions of management and leadership and how the rules of both athletic competition and organizational life are changing. Issues of race, gender, and the competitive imperative will be examined, and Mac Boston will help us look ahead as women and men effecting change in our organizations.

MAP 0900, \$49. Includes continental breakfast. Monday, Sept. 20 (1 meeting), 8:30 a.m. to 11 a.m., Earle Brown Center, Room 135

Tuition credit offered: Attendance at this morning seminar qualifies you for a 20-percent discount on registration costs for any one 1993-94 MAP workshop (may not be combined with other discounts). To register, call 626-8713.

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Registration: last call for fall

You can still register for fall term Extension classes.

Roseville, Richfield Extension classes

Take a class near home or work this fall. Extension credit classes are scheduled at Roseville Area High School and at Richfield Senior High School.

Register for these classes through regular mail or in-person registration procedures. **Registrations are not accepted at these sites or at school district offices.**

Fall quarter classes are highlighted below. See the bulletin, page 509, for more information.

Roseville Area High School— West Campus

EPsy 5651	Managing Problem Behavior in the Classroom
GC 1111	Weather and Climate
Math 1111	College Algebra and Analytic Geometry
Math 1201	Pre-Calculus
Math 1211	Calculus I
Psy 3604	Abnormal Psychology
Econ 1101	Principles of Economics (15-week semester class)

Richfield Senior High School

Comp 1011	Writing Practice
Mktg 3000	Principles of Marketing
Math 1111	College Algebra and Analytic Geometry
Math 1201	Pre-Calculus
Math 1211	Calculus I
Psy 1001	Introduction to Psychology
Econ 1101	Principles of Economics (15-week semester class)

Extension classes often are scheduled at other off-campus sites, as well. Locations are given with courses in the bulletin.

Registration by mail started Aug. 2 and continues through Sept. 15. In-person registration is Sept. 7-15 at the locations listed below.

101 Westbrook Hall—Minneapolis Campus. Register in person at 101 Westbrook Hall between 9 a.m. and 8 p.m. (except for Friday, Sept. 10, when the office closes at 4:30 p.m.). Also open Saturday, Sept. 11, 9 a.m. to 1 p.m.

MacPhail Center, 1128 LaSalle Avenue—Downtown Minneapolis. Registrations are accepted at the MacPhail Center office between 9 a.m. and 6 p.m. (except for Friday, Sept. 10, when the office closes at 4:30 p.m.). Closed weekends.

St. Paul Registration Booth, Norwest Center, Fifth and Minnesota—Downtown St. Paul. The registration booth is on the skyway level and is open from 9 a.m. to 5 p.m. Closed weekends.

Students are urged to register early and to pay tuition with a personal check or money order. You also may charge tuition and fees on VISA, MasterCard, or Discover. The St. Paul registration booth cannot accept cash.

Registration in Extension classes is on a first-come, first-served basis. Some high-demand classes or certain sections of them have already filled. Register as early as possible.

The last day to register without a late fee is Sept. 15 for most classes.

If you miss the Sept. 15 deadline, you can register with a \$5 late fee starting Sept. 16. Late registration continues through the first week of classes with the \$5 late fee.

See pages 8-10 in the bulletin for dates and office hours once classes have begun (Sept. 23).

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Westbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

Info is a newsletter for University of Minnesota Extension Classes students published 9 times a year—August, September, October, November, December, January, February, March and April-May—by the Department of Extension Classes, University of Minnesota, 180 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, Minnesota 55455. Second Class Postage Paid, Minneapolis, Minnesota. POSTMASTER: Send address changes to **Info**, Extension Classes, University of Minnesota, 180 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455.

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The contents of this publication and other University bulletins, publications, or announcements are subject to change without notice.

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INFO

A Newsletter for Continuing
Education and Extension Students

Workshop classes

Especially for school, health, and helping professionals

Several one-day classes or short courses on health, behavior, and social issues are scheduled this fall through Extension Classes. Many focus on problems associated with pregnancy, children, and adolescents.

These courses are open to anyone and are especially useful to teachers, social service workers, counselors, health professionals, parents, and clergy. Brief descriptions or titles are given below; bulletin pages are indicated. Registra-

tion is open now and usually extends up until 10 days before the class without a late fee. (Late registration at the door is sometimes possible.) These classes generally are offered for one credit; graduate credit is available.

Call 625-3322 for questions about registration.

PubH 5643 Sexual Abuse of Children. Historical overview, definitions, dynamics, outcomes, treatment, function of the school, public agencies, and the

community in prevention. Meets Saturday, Oct. 9, 8 a.m.-4:30 p.m., one credit, \$117. The instructor is nationally known specialist Robert ten Bensel, M.D., of the Maternal and Child Health Program. Page 308.

PubH 5650 Teenage Pregnancy and Parenting: Models for Intervention. Pregnancy, abortion, parenting, adoption. Theory and application related to adolescent development. Emphasis on skills and understanding for effective counseling, program development, parenting. Meets Saturday, Oct. 30, 8 a.m. to 4:30 p.m. Page 309.

Fall courses from Child and Adolescent Psychiatry are listed below. These one-day workshops meet Saturdays, 8:30 a.m.-3:30 p.m., \$128 (resident credit). Graduate credit is available. See course descriptions beginning on page 99 in the bulletin.

CAPy 5620 Attention-Deficit Hyperactivity Disorder: Diagnostic Strategies and Educational Interventions. ADHD and the related behavioral and educational problems it presents. Definition, causation theories, assessment techniques. Treatment approaches including parent management, medication, and educational intervention. Nov. 6.

CAPy 5623 Affective Disorders and Suicide in Children and Adolescents: Perspectives on Prevalence, Etiology, and Prevention. Oct. 2.

CAPy 5629 Psychiatric Medications for Children and Adolescents. Nov. 13.

CAPy 5627 Aggressive, Delinquent, and Conduct Disordered Behavior in Children. Oct. 30.

CAPy 5636 Recent Advances in the Assessment and Treatment of Attention-Deficit Hyperactivity Disorder. Dec. 4.

CAPy 5633 Anxiety Disorders in Childhood and Adolescence. Oct. 9.

See also courses listed under **Youth Studies (YoSt)**, including both short-term workshops and regular quarter-length classes on working with youth and their families (Nov. 12, 13, 15), working with youth individually, working with groups, and experiential learning options. Page 361.

Computer labs drop service fee

A year ago, in the October 1992 issue of *Info*, a story announced the new computer lab fee increase to \$40 a quarter.

How times change. Beginning this fall, computer lab fees to students have been dropped and facilities may be used free of charge with proof of student status (current term fee statement). The only charge is for printing (10 cents a page for laser printer copies, available at most labs); printing cards can be purchased also at \$1 for 10 pages and \$4 for 50 pages.

Bring your own disks if you are working on previously created documents or want to save your work. Software is available, including Microsoft Word, Excel, and other popular programs in both Mac and IBM.

Some restrictions apply. You are limited to two hours in the lab, unless no one is waiting, and labs may be scheduled by instructors for class use.

There are several computer labs on each campus, and many have evening and weekend

hours. Call for locations, hours, and availability of computers: 625-7850, east bank; 624-0877, west bank; 624-7766, St. Paul.



Credit correction

PubH 5648 Sexual Orientation: Issues for Adolescents is offered for three credits, not two as listed in the bulletin. Resident undergraduate tuition is \$306 (plus \$15 course fee; total \$321). See page 310.

Be a prepared parker

When it comes to parking on campus, a little planning goes a long way. Plenty of options exist and there are hundreds of spaces available, but some may be less convenient or more expensive than others. Here's information that will help you. Call Parking Services at 626-PARK with questions or for specific information. Call 625-0357 for parking maps.

In addition to public parking lots and ramps, some contract facilities are open to public parking after 4:30 p.m. (Don't park in any contract facility where an attendant isn't on duty; your car may be ticketed and towed.)

Lots, ramps, and garages—with rates—are listed below. Note that many hourly rate and contract-only facilities

go to flat-rate off-peak parking rates after 4:30 p.m. Availability and cost are subject to change. On event nights, some facilities may be by reservation only and most lots charge the event rate of \$4. See the related story about event parking and hang tags that allow you to park at regular rates.

EAST BANK Public Lots

- Lot 37, Fifth Street S.E. and 17th Avenue S.E.—one block north of Fourth Street S.E. (\$1.25)
- Huron Boulevard Parking Complex (the old Transitway Lot), Oak Street S.E. and Fourth Street S.E.; free shuttle to campus (\$1.25).

Off-Peak Parking

- Church Street Garage, across from the Architecture building, after 4:30 p.m. (\$1.75)
 - Fourth Street Ramp, Fourth Street S.E. and 17th Avenue S.E., after 4:30 p.m. (\$1.75)
 - East River Road Ramp, Levels 4 and 5, after 2 p.m. (\$1.75)
 - Coffman Union Garage, after 4:30 p.m. (\$1.75)
 - Nolte Center Garage, after 4:30 p.m. (\$1.75)
- ### Contract (after 4:30 p.m.)
- C55 and C51, enter on 16th Ave. S.E. and 18th Ave. S.E., respectively, between University and Fourth (\$1.25)
 - C82, Oak and Washington, and C28, University just before Oak or off Walnut at Washington (\$1.25).

Carpool Lots

- Lot 33 and Lot 36; carpool only before noon; two people or more required. Daily rate afternoon, no restrictions on number of people in vehicle (\$1.25)

WEST BANK

Public Lots and Ramps

- Lot 90 (\$1.25)
- Lot 93 (\$1.25)

Off-Peak Parking

- Lot 86, after 4:30 (1.75)
- West Bank Ramp, after 4:30 (\$1.75)

Contract (after 4:30 p.m.)

- C88, after 4:30 (\$1.25)

Carpool Lots

- Lot 94; carpool only before noon (\$1.25)

ST. PAUL

- Lot 101, Cleveland and Commonwealth (\$1.25)
- Lot 104, Earle Brown Center (\$2 as of Sept. 20)
- Lot 108, Fairgrounds Lot adjacent to Earle Brown Center lot; free shuttle (\$1.25)

Park smart— avoid tickets

Parking regulations are enforced vigorously on campus.

General parking on Pleasant Street in front of Wesbrook Hall is not permitted. Several spots are designated as hand-capped parking only. Vehicles parked in those spaces without required permits or license plates displayed are subject to fines and towing.

The most convenient short-term parking on the east bank is the Church Street Ramp/Garage, the below-ground ramp adjacent to Morrill Hall. The entrance is on Church Street (17th Avenue S.E. off campus), directly across from the Architecture building. The daytime rate is \$1.50 an hour (flat rate of \$1.75 begins at 4:30 p.m.).

If your class meets on an event night—pick up a hang tag

When special events, such as sporting events at Williams Arena and performances at Northrop Auditorium, occur on campus, special event rates go into effect at many of the public and contract lots, ramps, and garages. (In addition, some facilities may be by reservation only.)

On event nights, Extension students may park in Lot 33 on the East Bank after 4:30 p.m. at the regular daily rate if they have a special-event hang tag.

Many students will not need hang tags. Note the following requirements.

- Hang tags are given out in person only at the Extension Classes Registration Office in 101 Wesbrook Hall. The office is open evenings, Monday through Thursday, until 8 p.m. when classes are in session. Proof of current registration is required.
- Hang tags in fall quarter (and in most terms) will be given only to students whose classes meet on the East Bank of the Minneapolis campus (event rates seldom apply at other campuses).
- Hang tags are valid only for the weeknight(s) that the student's class actually meets.

Relatively few special events conflict with Extension classes. This month, Northrop performances on Oct. 19-21 may present some parking congestion.

A parking space is neither reserved nor guaranteed in this lot. Space is limited; lots may fill at any time. Please allow extra time to park and get to class on event nights, especially if you arrive on campus after 6 p.m.

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Tales of war and remembrance

"This is not meant to be a course for military hawks or doves; the heart beating under the soldier's uniform is a human heart, and as fellow human beings we can appreciate and empathize with the remarkable event of the battlefield," says Christopher Simer, instructor for **The Eternal Warrior: Personal Accounts of Battle**, a noncredit Compleat Scholar class.

By reading and discussing diaries, poems, and memoirs from combat soldiers, students will identify common elements of the war experience, explore the role of the citizen/soldier in Western tradition, and examine the military-social contract.

Using first-person accounts of combat, one can "recognize the emotional and spiritual kinship of soldiers during the experience of combat over centuries and understand the difficulty of maintaining human compassion during battle," explains Simer. From ancient Greece to Vietnam, some experiences



THE COMPLEAT SCHOLAR

are universal. "How is it that soldiers are able to hold it together under such strains, and what does that say about their attitudes toward soldiering and obligations to fellow soldiers?"

Student services

We're here for you—language tutors, campus security, and more

To help you gain mastery in foreign languages, Extension Classes has instituted a tutoring program as a part of certain popular language classes.

This fall, tutors will be available to help students enrolled in the initial courses in the beginning and intermediate course sequences (1101 and 1104) in Spanish and in the beginning French and German courses (1101 only).

The service continues winter and spring quarters in the second and third courses in the sequences.

Tutors will be available to answer questions, help you review, explain usage, and provide the support you need to help make your learning experience a satisfying one. It's free, take advantage.

Announcements will be made in class the first week of the term about hours and arrangements.

* * *

Here's information about a few other campus services and facilities available to evening students.

Escort service: 624-WALK

The University police department provides a free security escort service until 1 a.m. To request an escort between buildings or to bus stops or parking lots, call 624-WALK.

Libraries

Extension students are encouraged to make use of University libraries. Call Library Information, 624-0303, to determine where particular materials are located, find out hours, locate books or periodicals, and learn about LUMINA, the computerized catalog system. When using University libraries, you must present a current fee statement and bar-coded University I.D. card or a library borrowers card.

Restaurants

Several campus food service locations are available to evening students. Those listed below are open until at least 6 p.m., Monday through Thursday.

Metropol (Blegen Hall, West Bank). Snack bar with pizza, frozen yogurt, muffins, sandwiches, popcorn, cookies, beverages.

Rug-on-the-Wall (Blegen Hall, West Bank). Short-line cafeteria serving entrees, salads, desserts, beverages.

Little Brown Jug (Coffman Union, East Bank). Full-service cafeteria with entrees, soups, salad bar, sandwiches, hamburgers, desserts, Kentucky Fried Chicken.

Goldy's (Coffman Union, East Bank). Pizza, nachos, frozen yogurt, hot dogs, submarine sandwiches.

Terrace Cafe (St. Paul Student Center). Full-service cafeteria with entrees, salad bar, short-order items, beverages, serve-yourself bars.

Simer, who is a graduate student in history, came up with the idea for the course while visiting a U.S. military cemetery in Italy. "Each one of those white crosses was a young man who came all this way to die. How many generations of young soldiers—from that American army during World War II to Hannibal driving his elephants down the same coastal highway centuries earlier—had faced the same essential experience in the mountains outside of Rome?"

Several combat veterans from World War II and Vietnam will visit the class and share their experiences, if students desire. With their help, the class can "explore the intensity of bonds formed by surviving combat together and overcoming those odds, which most civilians never face."

Simer believes it may help people organize their thinking along new lines concerning the nature of the military in our own society. "It's important for us to develop an understanding of the nature of war if one wants to serve peace," Simer says. "People may be great advocates for peace, but know nothing of war, which I compare to being very interested in maintaining one's health, but then avoiding any discussion of disease. It's only half of the equation. It doesn't serve the purpose of bringing peace to the troubled areas of the world, if they can't appreciate the war experience that they are directly addressing."

* * *

Call the Compleat Scholar at 624-8880 for registration information about this course, CSch 0209.

Biology of food

If we are what we eat, when it comes to plants, we are many parts indeed.

A trip down the supermarket aisle proves that we consume stalks, berries, roots, leaves, seeds, flowers, and other edible parts of various plants. In a new noncredit course, learn more about the use of plants in our everyday life, how they became part of our diet and our culture, and what the future will bring in how we produce and use fruits and vegetables and other plant materials. In **Supermarket Botany** (CSch 0536), Brother Tom Sullivan reviews these foods from a botanical viewpoint with consideration for social, economic, and historic influences.

The four-meeting noncredit class is offered in cooperation with the Bell Museum of Natural History and begins Oct. 26. Call the Compleat Scholar at 624-8880 for more information.

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Graduating soon? Check the details

Your final year in Extension classes before graduation—you finally made it.

After declaring a major, planning courses, and attending classes for all these years, all you need is to finish a few last requirements, including the necessary forms to graduate in that final quarter. Unfortunately, the last time you spoke with an adviser was three years ago.

Medical ethics, social issues, difficult questions

Who shall live and who shall die? An age-old rhetorical question is given a modern-day outlook in a new noncredit Compleat Scholar class this fall, **Ethical Dilemmas in Health Care Decisions** (CSch 0242).

Dianne Bartels, associate director of the University's nationally known Center for Biomedical Ethics, reviews the many questions that arise when we mix morality, technology, social standards, government policy, and many other factors in life-related issues.

- Should intensive care for the elderly and dying come before improved health care related to the vast majority of ailments we face between infancy and old age?
- How does our society make decisions about health care at the beginning of life, for high-risk infants, and at the end for terminally ill patients?
- Who are a child's "real" parents in complicated cases involving egg donors, sperm donors, surrogate mothers, and social parents?

This class meets on campus, Oct. 13-27, on Wednesday evenings. Call 624-8880 for information.

Don't let any surprises delay your degree. Changes in requirements and the addition and discontinuance of courses can affect your progress significantly. So stay up to date on your status and on the requirements of your major or college.

Advisers at the CEE Counseling Department and in your major department are available to help. Extension advisers are continually in contact with college office staff in CLA, IT, Human Ecology, the Carlson School of Management, and the other various colleges and schools within the University.

Faculty advisers in the academic departments generally are available by appointment or during office hours. They want to help you get the most from your

education. Keeping in touch through regular meetings with them is a great way to stay informed on what's happening in your field, to be a part of departmental activities, and to feel more a part of the University.

So, if you're near graduation, check with an extension adviser on the timetable for completing documents. If you're in a degree program—or plan soon to declare a major or to apply for admission—make regular contact with an adviser as you continue taking classes. It can save you time, worry, and money.

Call the CEE Counseling Department for more information, an advising appointment, or referral to departmental advisers; 625-2500.

Fall updates: nursing, avant garde

A nursing management course for fall quarter will be offered off campus at three suburban school locations through interactive television.

Basic Management in Long-Term Care Facilities: Organization Management will be offered at Capitol View Center (Rice Street and Country Road B2 in the Roseville area), Spring Lake Park High School, and Tartan High School. The course provides a critical basis for the practice of management of nursing in long-term care facilities. Emphasis on analysis of management theory and its relevance to current practice. Four modules offered: organization management, organization theory; regulation mechanisms, organization behavior. Offered for 1 to 4 credits; \$82.50 a credit. Prereq R.N. Classes meet once a week, 4:40-8:45 p.m. Call for information, 624-4866. See the description for Nursing

5660, bulletin page 280.

The course description for **CSCL 3910 Topics in Comparative Literature: The Avant Garde** (sec 1) is revised as follows according to the instructor, Jeanine Ferguson: An examination of some visual and literary practices of a number of historical avant-garde movements (e.g., Futurism, Dada, Surrealism, and Russian Constructivism). In particular, we will address the problem of identifying what makes up the avant-garde by exploring the use of montage (as one among several techniques of avant-garde practice) in several media (painting, photography, film, literature) and in several different national contexts (Italy, France, Germany, Soviet Union). Meets fall quarter, Mondays; see the bulletin page 123.

MUC
REV 23

INFO

A Newsletter for Continuing Education and Extension Students

Counseling office guides steps to financial aid

Financial aid is still available for the 1993-94 academic year. If you need help with educational expenses, the CEE Counseling staff will assist you in exploring options.

The CEE Tuition Assistance Grant Program, Minnesota State Grant, Federal Pell Grant, Federal Stafford Loan, Federal Unsubsidized Stafford Loan, Federal Supplemental Loan for Students (SLS), and the Student Educational Loan Fund (SELF) are among the options for both winter and spring quarters. The IDS Minority Access and Retention Scholarship and the Nolte, Schott, Women's Christian Association, and Mucke/Roff Scholarships will be available during spring quarter.

All of these financial aid programs are open to adult part-time students. Requirements, such as admission, residency, inclusion or exclusion of students with a prior bachelor's degree, and mini-

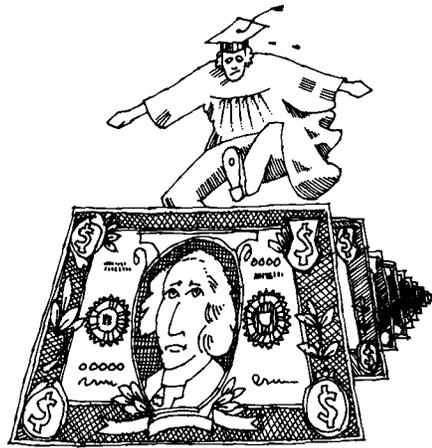
mum or maximum number of credits allowed, vary by program. While grant and scholarship programs require financial need, several loan programs are available to eligible students regardless of income.

For additional information, contact CEE Counseling, 314 Nolte Center; telephone 625-2500.

A college degree: How to get started

Information groups will be held this month for new or prospective students who wish to take day or evening classes through Continuing Education and Extension (CEE). These group meetings, offered by the CEE Department of Counseling, will provide information on how to register, general course requirements, and related University policies.

Advance registration is necessary. To attend a group about registration in daytime classes, call 625-2500. To learn about registration for evening classes and correspondence courses, telephone 624-0029.



New museum opens this month

The new Frederick R. Weisman Art Museum at the University of Minnesota opens this month with special events, an open house, and installation of the permanent collection. Events listed below are free and open to the public.

Building dedication is at noon on Thursday, Nov. 18; Weisman and architect Frank O. Gehry, who designed the unique and controversial building, will be in attendance.

Open houses are scheduled Friday, Nov. 19, 10 a.m. to 6 p.m., for the University community, and Sunday, Nov. 21, noon to 6 p.m., for the general public.

Exhibits opening Nov. 21 and continu-

ing through Mar. 6 include *A New View: The Collections of the University of Minnesota; An Architect's Eye*, featuring work by artists that have influenced Gehry's art and architecture; and *Works from the Frederick R. Weisman Art Foundation*.

A two-day symposium on museum architecture and several lectures (Sundays and noontime) are scheduled starting in December. Call for information, 625-9494.

Regular hours for the museum (after the opening) are 10 a.m. to 6 p.m., Monday through Friday, and noon to 5 p.m. on Saturday and Sunday. Free admission.

Holiday reminder

**November 25-26
(Thursday, Friday)**

Thanksgiving holiday

**All offices closed.
Classes do not meet.**



On the inside

Winter survival skills come naturally in the wild	4
The Academic Connection offers premium learning	2
E.T. Phone Home Guide (Extension Telephones)	5

All our best to you

The Academic Connection from Extension Classes brings you the best of the "U."

You'll be challenged and you'll be stimulated through these major-university program offerings for adults and part-time students that are unsurpassed anywhere in the country. From Continuing Education and Extension at the University of Minnesota, the leader in nontraditional education for over 75 years. Call 625-3898 for more information.

Topics in American Indian Studies: American Indian Music in the 20th Century

Introduces students to the diversity of North American Indian musical traditions. Concentrates on music tradition within the western Great Lakes region, including songs of the Anishinabe (Ojibwe), Winnebago, and intertribal groups. Focuses on pow wows as well as precedents within the "Big Drum" religion. Emphasizes reading, writing, and listening to American Indian music, and learning social and intertribal songs. (No prereq. Limit 35) Amln 3960, 4 credits, \$294. Winter Qtr, Sec 1, W, 6:20-8:50, NichH 109.

Life/Career Planning

Provides an opportunity for individuals of all ages and backgrounds to reassess their interests, values, skills, and formulate post-graduation plans. Acquaints the student with concepts of career development offering a systematic approach to lifelong career planning and career management. Content includes issues of career selection, maximizing a university degree in the world of work, career-pathing, preparing an effective résumé, conducting a pro-active job search, interviewing practice, and coping with transition issues. Each student will develop an individualized career plan. *Non-journalism majors should register for Jour 3925. Journalism pre-majors and majors should register for this section. Must be taken S-N. (Prereq CLA jr or sr; others by #. Limit 25) Jour 3925/ID 3925, 2 credits, \$147. Winter Qtr, Sec 1, W, 6:20-8:50, MurH 308.*

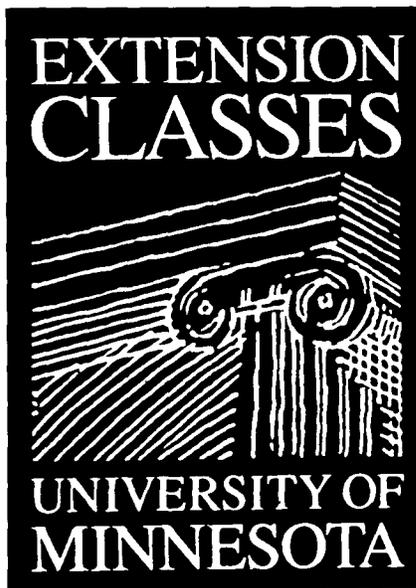
Order and Chaos

The victory of order over chaos is one of the oldest mythic themes known. In modern times this contest reappears as disagreement over the value given to systemic thought and reason (whether religious doctrine or scientific theory and explanation) versus the value given to all the complex aspects of existence which do not conform to traditional perspectives or theoretical explanations. Social science and the academic study of religion are primarily based on 19th-century approaches to describing and

explaining human behavior—approaches which generally eliminate "chaotic" human activity from consideration. This course reviews 20th-century ideas concerning the human need for understanding and the importance of theory and explanation. It also examines several 20th-century intellectual attempts—within natural science ("chaos theory"), social science, psychology, and literature—which seek more thoroughly to acknowledge the reality and importance of chaos. Specifically examined is how understanding of human experience changes when both theoretical perspectives and that which calls theoretical perspectives into question are taken into account. (No

The Academic Connection . . .

- **small classes that stress interaction with University faculty and peers**
- **innovative interdisciplinary approaches to topics**
- **newly developed courses on critical problems**
- **academic resources unequaled anywhere in the area**
- **top-notch interdisciplinary faculty teams**
- **academic learning related to social issues and community involvement**



prereq. Limit 40) CSCL 3910, 4 credits, \$294. Winter Qtr, Sec 4, M, 6:20-8:50, FolH 116.

Principles of Economics/American Government and Politics

In real life, American economics and politics are integrated. Each area could be analyzed alone, but governmental practices and policies influence the nation's economic activities—and vice versa.

An interdisciplinary offering of two introductory courses this winter reflects that real-life combination. **Econ 1102 Principles of Economics** and **Pol 1001 American Government and Politics** will be available in concurrently scheduled sections that are team taught by two senior faculty: John R. Freeman, professor of political science, and George D. Green, associate professor of history.

Topics include the principles, organization, processes, and functions of government and the interplay of political forces in the United States and their relationship to topics in macro-economics—national income, money and banking, and economic growth.

Students register for both courses and earn 9 credits total; classes meet Tuesday and Thursday evenings, 6:20-9:20 (see page 144).

Honors Opportunities

Honors seminars are open to all qualified Extension students to insure that challenging learning opportunities, with some of the University's outstanding faculty, are available evenings to highly motivated, high-achieving part-time and adult students. Classes are offered through the CLA Honors Office. Registration is by written permission only; a 3.50 grade-point is the initial prerequisite. Contact the honors office, 624-5522, for application information.

American Literacy and Cultural Diversity (HSEM 3060, 4 credits, \$294). What is literacy, exactly? What does it mean to have literacy or not to have it? How well does the United States support the development of higher literacy in all its citizens? And what can we learn about the conditions of literacy here in the Twin Cities, by working with children and adults who are struggling to become literate in a sometimes less than supportive society? This course links the academic study of these and other questions with a service-learning component organized in conjunction with local community agencies. In it, students will study a range of perspectives on the nature, development, and present state of literacy in the U.S., with special focus on culturally diverse and disadvantaged people in society. As part of the course work, students will work with a young

continued page 3

What do Extension students need? Time, flexibility

Busy is a way of life for Extension students, and some of the busiest are the most involved when it comes to your student leaders in CEE.

"CEE students are overwhelmingly busy," says Christopher Glenn, the chair of the Extension Classes Student Board last year. "Many of us work and go to school full time while maintaining our GPA's, our jobs, and our families," says Glenn. "We're also an incredibly diverse group," he says of his fellow students, from senior citizens in programs like Elderhostel to toddlers in early childhood music courses at the MacPhail center, with widely varying needs and motivations. "There are people wanting enrichment and people who need re-education because they know their

careers will change," he says. "But no matter what we do, we all need flexibility."

Six years ago, Glenn was in need of some of that flexibility. He was spending his lunch hours rushing from his 60-hour-a-week job as a video producer to attend day school classes at the Twin Cities campus. He figures he logged as many hours on the freeway as he did in the classroom. That frenetic pace made it hard to focus on his education, but as he says, "I couldn't forego my career. That wasn't an option."

Glenn began taking Carlson School of Management courses through CEE. He's been no less busy than before, but his schedule became more manageable, he says. And that convenience

didn't mean he had to give up quality in his education. "I think the courses are better at night," says Glenn, "because the students work all day and bring their experience to the classroom. I've had courses with instructors who are at the cutting edge in their fields and they enjoy working with experienced nontraditional students."

Glenn continued developing his career as he worked on his B.S.B., which he completed this year. He now manages a telecommunications network for Northeast Metropolitan Intermediate School District 916. That network provides the interactive television system used to transmit University graduate courses in education to students working on advanced degrees in CEE, so he's now helping other adult students who are more interested in spending time in the classroom rather than on the freeway.

In looking back at his years on the student board, Glenn says. "The student board has been very active in addressing the needs of adult, part-time, and nontraditional students and making them known to the University community."

"We're a vastly different group of people," he says. "We make no small sacrifices for our education—they're long-term sacrifices."

* * *

For information about joining the student board or attending a board meeting, please call the board's voice mail phone number, 625-8501, and leave your name and a number where you can be reached.



Extension students give what it takes to reach their goals, says Christopher Glenn.

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Wesbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

Info is a newsletter for University of Minnesota Extension Classes students published 9 times a year—August, September, October, November, December, January, February, March and April-May—by the Department of Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, Minnesota 55455. Second Class Postage Paid, Minneapolis, Minnesota. POSTMASTER: Send address changes to Info, Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455.

Students are encouraged to submit editorial opinions to the department. For address changes and name removals, see the instructions on the mailing panel.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

The contents of this publication and other University bulletins, publications, or announcements are subject to change without notice.

academic connection from page 2

child or non-English speaking adult at a local agency for two hours a week, helping him or her acquire higher literacy. Through reflection logs and group discussions of the tutoring experience, class participants will link the sometimes abstract academic study of literacy to the real social, political, and educational issues that emerge from the volunteer work. (Prereq 3.50 GPA, special written permission. Limit 15) Winter Qtr, Sec 1, M, 6:20-8:50, LindH 305.

Put a little learning in your weekend

Mother Nature may take care of her own but Old Man Winter makes it a challenge.

Learn how plants and animals adapt to Minnesota's harsh winter climate in **Winter Wildlife** (CSW 0703), a noncredit course led by biologist Jake Miller, Feb. 18-20, at Itasca State Park.

Miller says the weekend natural history course features nature hikes into the forests, lakes, and frozen wetlands to view and discuss examples of wildlife activity and strategies for survival. "We'll do some plant identification, talk about the wintering conditions they take on, and read animal signs and discuss how different organisms deal with winter stresses," Miller says.

Deer beds are a good adaptive example, he notes. "During the day, deer will bed in locations that take advantage of southern exposures and sunshine," Miller says. "At night, they'll move to beds under the protection of conifers and other natural shelters."

Exercises likely will be included (some may be optional) such as measuring snow density or looking for activity and movement of organisms under the lake ice, especially smaller creatures like plankton, insect larvae, and crustaceans, which we don't usually consider.

Afternoons are open for cross-country skiing or the mini-experiments.

Accommodations and other arrangements, at the Lake Itasca Forestry and Biological Station, will be planned at an introductory lecture and meeting Jan. 19 on the St. Paul campus.

Miller has a Ph.D. from the Department of Ecology, Evolution, and Behavior, is an experienced field biologist and researcher, and teaches biology at Breck School.

Registration deadline is Jan. 17.



Miller



THE COMPLEAT SCHOLAR

Are you at that stage of life when you would like to explore new options? **Mid-Life Career Audit: Deciding What To Do with the Rest of Your Life** is a noncredit weekend seminar (Mar. 11-13) designed to help you re-evaluate your adult interests, values, and personal characteristics and then apply this information to increase job satisfaction.

The course includes a standardized assessment approach to help heighten self-knowledge and to develop an accurate picture of your work self. You will complete an interest inventory, the Myers-Briggs Type Indicator, and other assessment tools and interpret these

More on event night parking

Event night parking, with increased rates, is scheduled this month on Thursday, Nov. 18, and Monday, Nov. 29.

Extension students whose classes meet those nights on the East Bank campus, and who drive to campus and park at University parking facilities, may pick up a hang tag and park in Lot 33 at regular rates if they display that tag.

These are the only scheduled events for fall, so far, that conflict with classes. In winter, men's basketball games at Williams Arena on certain Wednesdays

surveys to apply this "new" knowledge to your own career development. Finally, you will develop an action plan for the next stage of your life.

The University instructors are Kevin Nutter, Ph.D., of the Career Resource Center, and Alisa Eland, associate counselor in the Office of International Education.

The location is Wilder Forest, a retreat center about an hour's drive from the Twin Cities. Lecture and discussion are interspersed with free time to enjoy the recreational facilities and beautiful woodland setting. The weekend begins Friday evening and concludes Sunday at noon with a pre-trip meeting on Mar. 2. Cost is \$227; includes two nights lodging (double occupancy), four meals, instruction and assessments, and a pre-trip lecture. Registration deadline is Feb. 11.

Call 624-8880 for more information about these learning weekends from the Compleat Scholar.

Coming later this year. . .

- Spring Wildflower Weekend in South-eastern Minnesota (Apr. 30-May 1)
- Wildflowers of the North Shore (June 17-19)
- Physics and the Meaning of Life (Apr. 29-May 1).

(Jan. 12, Feb. 9, Feb. 16) present the most likely conflicts. A Monday game (Jan. 3) and a Thursday game (Jan. 20) also are scheduled. Performances at Northrop are scheduled for March 8 and 9 (T, W).

Pick up hang tags at 101 Wesbrook Hall (open Monday through Thursday until 8 p.m. when classes are in session). Show your fee statement to confirm current registration and class night.

The event nights schedule is subject to change; other events may be added.

Help arrives in the parking lots

A new motorist assistance program is now offered through Parking Services.

University employees, students, and visitors parked in University parking facilities may take advantage of the services, which include unlocking vehicles, jump starts, tire changing, and referrals or transportation to a service

station for problems that the service can't handle.

Motorist assistance is available from 7 a.m. to midnight, Monday through Thursday, and 7 a.m. to 10 p.m. on Friday (no service weekends or University holidays). Telephone Parking Operations at 625-6566.

REX—it's learning, service, and career building

As a research volunteer in the Research Explorations (REX) program, you will be testing, measuring, digging, and recording. But you'll also be exploring career possibilities, adding to your résumé, doing something you're interested in, and maybe even earning college credit.

Through Research Explorations projects, you can work side by side with University researchers on projects around Minnesota and around the world. Either credit or noncredit participation generally is possible.

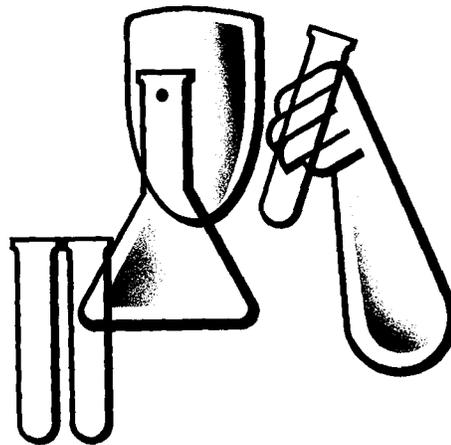
What does it take to make a REX volunteer? Whether it's in the laboratory, in the field, or in the community, the principal requirements are curiosity, adaptability, and a willingness to learn about and support important research. Commitment can vary—perhaps a few hours a week, maybe an intensive two-week immersion. A sampling of current projects is given below. Most REX projects do not require special skills or experience. Get involved, you can make a difference in your own life as well as help in furthering scholarly inquiry. Call 624-5092 for information.

- **Biomedical Research and Muscle Disease**
- **Native American Myth Busting in American History**
- **Impact of Agricultural Chemicals on Groundwater**



RESEARCH EXPLORATIONS

- **Relationships in Adoptive Families**
- **Quality of Life After Heart Surgery**
- **Behavior of High-Strength Prestressed Bridge Girders**
- **Inclusive School Communities**
- **City Songs: Demonstration Project in Music**
- **2D on 3D**
- **Evaluating Grapes for Growing in Minnesota**
- **Origin of English Words**
- ... and many more



Manage your career

Thinking of a career change? Looking for a new direction in your life?

The CEE Counseling Department provides individual counseling for students who want help in exploring career options. Career testing is available to help students clarify their interests, values, and personal characteristics for effective planning and decision making. A fee is charged for counseling services. Call 625-2500 for further information and to schedule a free initial counseling appointment.

Extension Classes

University of Minnesota

Phone numbers

Bulletins (course catalog)	624-2388
Campus security escort	624-WALK
Closed classes	625-3333
Compleat Scholar (noncredit)	624-8880
Correspondence courses (Independent Study)	624-0000
Counseling Office	625-2500
Financial aid advising	625-4334
G.I. Bill	624-3341
Instructor Phone Numbers	625-3333
Libraries	624-4552
Management Advancement Seminars (noncredit)	626-8713
Motorist Assistance Program (UofM parking lots)	625-6566
Office hours	625-3333
Parking information	626-PARK
Rec Sports	625-6800
Registration office and information	625-3333
Research Explorations (internships)	624-5092
Transcripts	625-5333
University phone directory information	625-5000
Bookstores	
East Bank	625-6000
West Bank	625-3000
St. Paul campus	624-9200
Health Sciences	625-8600

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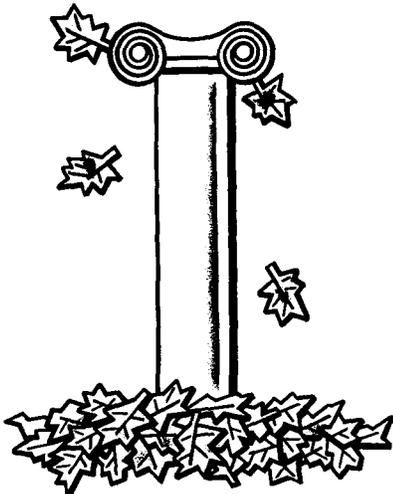
Winter quarter registration

Registration for winter quarter and winter special term classes begins this month.

Dates are given here for mail and in-person registration for classes listed in the Extension bulletin. Be sure to see the bulletin, pages 11-16, for registration details.

Registration in Extension classes is on a first-come, first-served basis. Register as early as possible. Prompt registration by mail offers you the best opportunity to get into a limited class.

(Registrations for day school classes through the Extension registration office will be accepted starting Nov. 15.)



MAIL REGISTRATION

November 2 to December 15: Registration forms with tuition checks will be accepted by mail for all winter classes.

Students must include a separate check for each limited-class registration; nonlimited classes may be paid for with one check.

Fill out the registration form completely. Social security numbers, I.D. numbers, and birth dates are required for coding purposes.

IN-PERSON REGISTRATION

December 7 to December 15: In-person registration at 101 Westbrook Hall, Minneapolis campus; MacPhail Center, 1128 LaSalle Ave., in downtown Minneapolis; downtown St. Paul Skyway Registration Booth in the Norwest Center. See the bulletin, page 8, for hours.

December 15: Last day to register without a late fee.

Tuition and fees are due at the time of registration. (Tuition may be deferred only by students receiving financial aid through the University's Office of Student Financial Aid or who have pre-approved third-party billing.)

Winter quarter classes begin the week of Jan. 3 and run through Mar. 19 (includes finals week).

Spring semester

Registration for spring semester courses will run simultaneously with winter quarter registration except that mail and in-person registrations will be accepted much later, through Feb. 2, without a late fee. Only a few 15-week courses follow the semester system.

For spring semester, the important days and special procedures to note are:

- Registrations by mail will be accepted starting Nov. 2.
- The extended registration by mail and in person, after the close of the regular winter quarter registration period on Dec. 15, is Dec. 16 to Feb. 2.
- Because classes are not in session for part of this time, and because of holiday closings, office hours vary. Check the dates and office hours on pages 8-10 in the bulletin.
- Feb. 2 is the last day to register without a late fee for spring semester classes.

Spring semester classes meet for 15 weeks plus finals week, from February 14 through June 11. Classes are dismissed Mar. 21-27 (winter/spring break). All classes resume the week of Mar. 28.

Classes are offered spring semester in history, economics, Chinese, German, and physics.

Winter quarter registration update

Registration for winter quarter (and winter special term) Extension classes is open now through Dec. 15.

You may register by mail through that date, or stop by and register in person from Dec. 7-15 at the locations listed below. Note that the Wesbrook Hall registration office is open Saturday morning during in-person registration.

Tuition and fees are due at the time of registration. Students are urged to register as early as possible and to pay tuition with a personal check or money order or charge on VISA, MasterCard, or Discover. The St. Paul skyway registration booth cannot accept cash.

Registration in Extension classes is on a first-come, first-served basis. Some high-demand classes, or certain sections of them, have already filled.

The last day to register without a late fee is Dec. 15 for most winter quarter classes.

Late registration by mail and in person with a \$5 late fee starts Dec. 16. Late registrations are accepted in person at the 101 Wesbrook Hall office only. (Hours vary by date; see the bulletin, page 9.)

University offices are closed Sundays

and on official University holidays (Dec. 23-24-25 and Dec. 31-Jan. 1).

Call 624-2388 to request a copy of the Extension Classes bulletin. For questions about registration procedures, call the registration office at 625-3333.

IN-PERSON REGISTRATION LOCATIONS—DEC. 7-15

- **101 Wesbrook Hall, Minneapolis campus.** Hours are 9 a.m. to 8 p.m., Monday through Thursday; 9 a.m. to 4:30 p.m. on Friday; 9 a.m. to 1 p.m. on Saturday. Closed Sunday.
- **MacPhail Center, 1128 LaSalle Ave., downtown Minneapolis.** Hours are 9 a.m. to 6 p.m., Monday through Thursday; 9 a.m. to 4:30 p.m. on Friday. Closed weekends.
- **Skyway Registration Booth, Norwest Center, downtown St. Paul.** Hours are 9 a.m. to 5 p.m., Monday through Friday. Closed weekends.

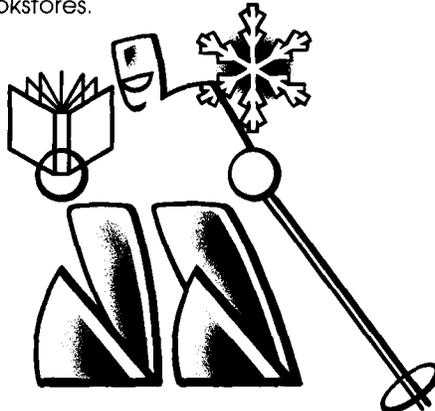
Free parking provided for Saturday in-person registration on Dec. 11

The Wesbrook Hall registration office is open 9 a.m. to 1 p.m. on Saturday, Dec. 11, for in-person registration. Advisers will be available if you have questions about course selection and program requirements.

Free parking is provided in the Church Street Garage (validation, available from 101 Wesbrook Hall, is required when leaving the ramp).

This underground ramp is located on Church Street next to Morrill Hall on the east side of Northrop Auditorium (opposite the main entrance to Architecture). Take a right off University Ave. at 17th Ave. S.E. (Church Street on campus). Proceed one and one-half blocks to the Church Street Garage. Wesbrook Hall is on the opposite (west) side of Northrop from the ramp.

Bookstore open: The University of Minnesota Bookstore-East Bank is open 9 a.m. to 4 p.m. on Saturday, Dec. 11, and the University of Minnesota Bookstore-West Bank is open 9 a.m. to 3 p.m. You may purchase required textbooks and other materials. Also, University of Minnesota clothing is on sale that week (Dec. 6-11) at the bookstores.



Classes added for information networking program

The popular Bachelor of Information Networking degree (BIN), sponsored jointly with North Hennepin Community College, will offer two additional courses this winter. Classes meet at North Hennepin. You don't have to be admitted to the program to take these classes. For registration information, call 625-9001.

Computer Science 5113 Object Programming in C++ (W, 6:30-9)

Computer Science 5201 Computer Architecture (T, 6:10-8:40).

Additional courses later in the year are: **CSci 5102 Structure and Programming of Software Systems II** (spring); **CSci 5211 Data Communication and Computer Networks** (fall); **CSci 5212 Network Programming Lab** (fall).

Holiday closings

Offices are closed Dec. 23-24 (Th-F) and Dec. 31 (F) for the holidays.

During these holiday weeks (Dec. 20-22; Dec. 27-30), the registration office hours are 8 a.m. to 4:30 p.m.

Student board backs U2000

By Brad Canham
Extension Classes Student Board
Public Relations Committee Co-Chair,
Student Senator

Rushing to capture the momentum for Continuing Education and Extension (CEE) students during the planning phase of University 2000, the Extension Classes Student Board (ECSB) has studied the initial proposal and positioned itself in strong support of U2000. President Nils Hasselmo's vision for reorienting the University.

Board chair Nancy Bossard declared the stance following discussions with CEE deans Ann Pflaum and Hal Miller early in October. Quick committee action within the ECSB led by Bossard and acted upon by several key board members—Christopher Glenn, Kristine Allen, Rosina Bennett, Michael Beer, Karin Goettsch, Rhonda McDonald, Lisa Michelson, Linda Sullivan, and Brad Canham—has secured the board's status as a front-running student organization in the support and formation of U2000.

An ad hoc committee, chaired by Glenn, developed a general position paper (included below) in mid-October. Board members met with Vice President Infante on Nov. 6, reviewed the contents with him, and found him supportive of their intent and effort in preparing the paper. The document has been sent to Hasselmo and arrangements are underway for the student board members to meet and discuss specific aspects of U2000 that concern their constituency of approximately 40,000 CEE students.

To that end, the student board needs you.

Seeking maximum representation for

Call with comments

The Extension Classes Student Board seeks student input for the next stage of their drive to develop a secure and positive position in the U2000 vision. Call the student board voice mail number, 626-8501, to tell us your thoughts and ideas for U2000.

Comparative lit

For CSCL 3910, sec 7, **Sinology and Chinese Intellectual History**, winter quarter, change day to W (from Th).

students registered in Extension Classes and Independent Study courses, the ECSB is conducting an all-out campaign to gather opinions, ideas, and visions for the University College aspect of the U2000 plan. The information will be presented to Hasselmo and used to create an ECSB position clearly in line with Ex-

ension Classes and Independent Study student concerns.

* * *

The following position paper (edited here for publication) is the general stance of the Extension Classes Student Board. The board awaits further clarification based on student suggestions.

Extension Classes Student Board and U2000

The purpose of this document is to outline our understanding of the U2000 proposals and show our support based on that understanding of the details (outlined below).

- **Degrees:** The degree received by the part-time, nontraditional student enrolled in the University College will be the same degree received by students entering the "Research University" (the University of Minnesota-Twin Cities). There will not be separate degrees for the two University units. (*Ed. note:* To clarify, the board position is that (1) the major distinction will be between the part-time status of students in CEE/University College and full-time student status for those in the Research University; (2) CEE/University College students will continue to have access to courses to meet degree requirements for several bachelor degree programs—such as those available day and evening now in the College of Liberal Arts, Carlson School of Management, Institute of Technology, and other colleges—through CEE registration; (3) admission criteria to degree programs will be the same regardless of where students are enrolled. In addition, the degrees available through the Twin Cities Higher Education Partnership, such as the Bachelor of Information Networking, will continue to be offered through CEE or University College.)
- **Bridges:** The possibility will continue that CEE students (who are admitted to a degree program) can at any time opt to become regular full-time students. Also all avenues of the full-time students in the Research University will also be available to the students opting to make that transfer.
- **Access:** Access to the Research University faculty and classes will remain comparable to the way they are currently structured or will be enhanced.
- **Tuition:** CEE students are currently paying tuition on a per-credit basis. We are in favor of continuing our tuition rates in this manner, as opposed to a possible tuition "free band" or undue tuition increases.

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Wesbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

Info is a newsletter for University of Minnesota Extension Classes students published 9 times a year—August, September, October, November, December, January, February, March and April-May—by the Department of Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, Minnesota 55455. Second Class Postage Paid, Minneapolis, Minnesota. POSTMASTER: Send address changes to **Info**, Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455.

Students are encouraged to submit editorial opinions to the department. For address changes and name removals, see the instructions on the mailing panel.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

The contents of this publication and other University bulletins, publications, or announcements are subject to change without notice.

Special hours at the bookstores

University bookstores offer extended weekday hours and some Saturdays early in winter quarter to make it easier for you to shop for textbooks and course materials (see schedule below).

University of Minnesota Bookstore—East Bank (Williamson Hall), 625-6000. Books for most departments in CLA, IT, Education, and General College.

First week of classes: Monday—Thursday (Jan. 3-6), 7:30 a.m. to 7:30 p.m.; Friday (Jan. 7), 7:30 a.m. to 6 p.m.

Regular hours: Monday—Thursday, 8:30 a.m. to 6:30 p.m.; Friday, 8:30 a.m.—6 p.m.; Saturday, 10 a.m. to 4 p.m. (this location only)

University of Minnesota Bookstore—West Bank (adjacent to Blegen Hall), 625-3000. Books for the Carlson School of Management and several CLA departments (see the bulletin, pages 17-18).

First week of classes: Monday—Thursday (Jan. 3-6), 8 a.m. to 7:30 p.m.; Friday (Jan. 7), 8 a.m. to 6 p.m.

Saturday (Jan. 8 only): 10 a.m. to 2 p.m.

Second week of classes: Monday—Thursday (Jan. 10-13), 8:30 a.m. to 6:30 p.m.; Friday (Jan. 14), 8:30 a.m. to 5 p.m.

Regular hours: Monday—Thursday, 8:30 a.m. to 5:30 p.m.; Friday, 8:30 a.m.—5 p.m.

University of Minnesota Bookstore—St. Paul campus (Student Center, lower level), 624-9200. Books for classes on the St. Paul campus.

First week of classes: Monday—Thursday (Jan. 3-6), 8 a.m. to 6:30 p.m.; Friday (Jan. 7), 8 a.m. to 5 p.m.

Second week of classes: Monday—Thursday (Jan. 10-13), 8:30 a.m.—6:30 p.m.; Friday (Jan. 14), 8:30 a.m. to 5 p.m.

Regular hours: Monday—Thursday, 8:30 a.m. to 6 p.m.; Friday, 8:30 a.m. to 5 p.m.

University of Minnesota Bookstore—Health Science (2-554 Moos Health Science Tower), 625-8600. Books for classes in the health sciences.

First week of classes: Monday—Thursday (Jan. 3-6), 8 a.m. to 6:30 p.m.; Friday (Jan. 7), 8 to 6 p.m.

Saturday (Jan. 8 only): 10 a.m. to 2 p.m.

Regular hours: Monday and Thursday, 8:30 a.m. to 6 p.m.; Tuesday, Wednesday, and Friday, 8:30 a.m. to 5 p.m.

Bookstores are closed on Sundays and on official University holidays (Dec. 23-25 and Dec. 31-Jan. 1).

Also refer to pages 17-18 in the Extension Classes bulletin for more information about bookstores and buying and selling textbooks.

Credit cards accepted

Remember that you now can charge your tuition and fees for Extension classes on your VISA, MasterCard, or Discover account. Complete the required information in the method of pay-

ment section of the registration form. You may use this payment option whether you register by mail or in person. (Tuition and fees must be paid at the time of registration.)



For the University's new Frederick R. Weisman Museum, the question is not "What is art?" The question is "What is an art museum?" Join associate professor John Archer for a review of architect Frank O. Gehry's unique and challenging design in a new Complete Scholar noncredit course, *Frederick R. Weisman Art Museum: Architecture, Institution, Culture, and Context*. Classes meet at the museum, Thursday evenings, Feb. 10 to Mar. 3. Call 624-8880 for registration information.

Bookstore hints

Where the books are: Generally, books are available at the bookstores on the campus where the department offices are located (even if a class meets elsewhere). In the course offerings section of the bulletin, a note appears near the beginning of each department's listing identifying the appropriate bookstore to find books.

* * *
Information by phone: You may call for book information and to check on textbook availability. Call early in the day and be ready to give the department and course number (rather than the course title or topic). This is especially important for General College courses or other colleges or departments with courses in a variety of areas.

* * *
Book returns: Be sure to save the sales receipt if you buy textbooks. If it becomes necessary, you may return books for a full refund through Jan. 14 provided you have the sales receipt and the books have not been marked, written in, or damaged in any way.

* * *
Resale of books: As noted in the bulletin, the best time to sell your textbooks is during final exams week each quarter (Dec. 6-11 for fall). Resale of your textbooks is not assured. The bookstore buys back books that have been selected for use in subsequent terms, in good condition, and only in quantities necessary to meet expected need.

* * *
Gopher stuff: Savings are offered on some University of Minnesota clothing, Dec. 6-11, at University bookstores. (Health Sciences and St. Paul campus bookstores not open on Saturday.)

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Independent Study

Take the U with you this winter

Continue your education on a flexible schedule—yours! Correspondence courses through the Department of Independent Study allow you to earn credit no matter where you live, at your own pace, and at times and places convenient to you.

Over 350 University of Minnesota regular college credit courses are offered the independent study way. You can register, order books and materials, and

complete all assignments by mail. You'll get a comprehensive study guide (written by University faculty or other experts) that directs your reading, lesson completion, and learning efforts. And you get one-on-one evaluation by your instructor of the work you submit.

You set your own study schedule, and you can register at any time and take up to a year to complete your course. Credit cards accepted.

Call 624-0000 for more information and a free catalog or stop in the registration office on campus at 45 Westbrook Hall (open Tuesday and Thursday evenings until 8 p.m. throughout the year).

Roseville and Richfield classes

Take a class near home or work this winter. Extension credit classes are scheduled at Roseville Area High School and at Richfield Senior High School.

Register for these classes through regular mail or in-person registration procedures.

Registrations are not accepted at these sites or at school district offices.

Winter classes are highlighted below. See the bulletin, page 509, for more information.

Roseville Area High School—West Campus

Math 1142	Short Calculus
Math 1211	Calculus I
Math 1252	Integral Calculus II
Psy 1001	Introduction to Psychology
Econ 1102	Principles of Economics-Macro (spring semester)

Richfield Senior High School

Math 1251	Integral Calculus I
Phil 1001	Logic

Extension classes may be scheduled at other off-campus sites, as well. Locations are given with courses in the bulletin.

The Compleat Scholar

Your world and welcome to it: Earth, space, and numbers

You don't have to be a rocket scientist to understand and enjoy the learning in Compleat Scholar noncredit classes. Each term you'll find short-term classes in the natural and physical sciences that treat timely and timeless topics in depth and in a way that general audiences can appreciate. Call 624-8880 for information about the classes listed below.

Drifting Continents/Expanding Oceans: The Dynamic Earth (CSch 0552). Geology may be an "ancient" science, but our understanding of the forces and processes that have shaped the earth is largely recent revelation. Topics include plate tectonics, geologic influences on biology, mountains, volcanoes, earthquakes. Meets at the Minnesota Geological Survey office, Jan. 13-27.

Dawn of a New Age: A Short History of Space Exploration (CSch 0565). The lat-

est space exploration missions—Galileo, Magellan, Space Telescope—are built on the engineering legacy of many earlier missions. Review this brief, busy period with astronomy professor Robert Pepin, including the history of such ventures as Mariner, Pioneer, Apollo, Skylab, Viking, Voyager, Venara, Suise/Sakigake, Giotto, and many more. Feb. 16-Mar. 9.

The Origin of Mathematics: From Egypt to the Middle Ages (CSch 0572). Why do we count and perform arithmetic as we do? Examine the history of mathematics, including applications of geometry in Egypt, development of proof and deduction in Greece, numeric systems from Asia and the Middle East, and other activity that was under refinement and preservation while western Europe was still in the Dark Ages. Meets on campus Jan. 19-Feb. 16.

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UNIVERSITY OF MINNESOTA

INFO

A Newsletter for Continuing
Education and Extension Students

Volume 24 / Number 6 / January 1994

Continuing Education and Extension

Take the first step on the degree path

Returning to school? Need to know how to register and what to take?

The Department of Counseling will offer two kinds of group information sessions designed for students new to the University. The sessions are held frequently, both on and off campus, throughout the year. You'll learn about the two principal options available to you—Extension classes and independent study courses or day classes (available through Extension registration).

Evening, correspondence, and media-assisted courses. Registration information meetings are for prospective

students who want to find out about Continuing Education and Extension and are considering Extension evening classes or self-directed correspondence (or media-assisted) courses through the Department of Independent Study.

You'll learn about returning to school, the University's organization, registration procedures, admission to degree programs, major requirements, and how to select courses. General information about financial aid will also be included.

After receiving general information, students will be able to meet in small groups according to their academic

interests. In these groups, emphasis is on information specific to your intended area of study. There will be an opportunity to ask questions, and if you bring a transcript, an adviser will discuss transfer of credits. Sign up for these sessions by calling 624-0029.

Day classes. Extension/day registration information meetings describe how you, as an Extension student, can take classes during the day. This registration option is convenient for nontraditional students who can take classes during the day, especially since some courses are scheduled more frequently during the day or not offered in the evening.

Students considering this option should discuss their plans with a CEE adviser before attending an information session. To talk with an adviser or sign up for a session, call 625-2500.

Please call the Department of Counseling, 625-2500, if you have additional questions related to your current or future enrollment through Continuing Education and Extension.

Input and feedback. . . part of every successful organization

SeminarsPlus++ from the University of Minnesota's Management Advancement Program (MAP) provides those keys to career success. That's because SeminarsPlus++ offers features unique in the professional development business . . .

- **Input:** All MAP seminars provide the opportunity for you to tell the instructor—ahead of time—what you expect to learn, what's important to cover.
- **Feedback:** You meet again in a brief follow-up session (after work hours) a few weeks after the seminar to compare outcomes.
- **Focus:** Small classes, interactive learning, never more than 25 participants.
- **Affordability:** Compared to national providers, MAP SeminarsPlus++ are honestly, competitively priced.
- **Convenience:** Register by mail, phone, or fax. Seminars meet at the centrally located University of Minnesota-St. Paul campus (easy access, easy parking).
- **Experience:** Locally based instructors who know the community—including University faculty, professionals from business and government, and experienced consultants.
- **Value:** Groups of three or more qualify for a 15-percent discount (with larger volume discounts available).

For complete descriptions, call (612) 626-8713.

Upcoming Seminars:

- Timing Your Business Decisions
- Managing Time to Maintain Peak Performance
- Lead by Learning
- Handling Difficult People
- Multi-Cultural Marketing
- Finance and Accounting for Managers
- Coaching One-To-One To Improve Employee Performance
- Leadership, Power, and Vision



Comparative Lit and Humanities

A year ago, two departments—Humanities and Comparative Literature—merged to form the new Department of Cultural Studies and Comparative Literature (CSCL).

Many courses formerly listed under Humanities (Hum) are now listed as CSCL, and usually retain their same course numbers. Included under the new department are several popular introductory courses, including:

- CSCL 1301 Discourse and Society
- CSCL 1302 Text and Context
- CSCL 1303 Knowledge, Persuasion, and Power

The first course, 1301, is scheduled both winter and spring terms; 1303 is offered spring.

The course sequences "European Heritage" and "Humanities in the Modern West" and a spring quarter topics course on C.G. Jung are still listed under Humanities in the bulletin.

Workshops on child health and social issues

One-day workshops on child health and welfare issues continue this winter. For educators, health and helping professionals, parents, and others. Offered in Public Health and Child and Adolescent Psychiatry. Call 625-3322 for information, complete descriptions. Graduate credit available.

PubH 5648 Violence and Aggression Across the Life Cycle. New course. Latest theories and practice in intra-family violence. Ecological model; fetal, child, adolescent, spouse, and elder abuse. Prevention programs. No prereq. Jan. 22, 8 a.m. to 4:30 p.m. Robert ten Bensel, M.D., director of

maternal and child health program and nationally recognized on issue of child abuse is the instructor.

CAPy 5630 Psychotherapy in Children and Adolescents. Overview of major approaches: short-term dynamic psychotherapy, behavior therapy, cognitive-behavioral therapy, family therapy. Research review. Jan. 8, 8:30 a.m. to 3:30 p.m.

CAPy 5632 Cognitive-Behavioral Therapy for Impulsive and Hyperactive Children. Cognitive-behavioral approaches to treatment of behavior, emotional, and academic problems in children. "Stop and think," self-instructional training, problem-solving training. Application of such therapy to treatment of impulsivity in children with attention deficit disorder will be illustrated. Jan. 22, 8:30 a.m. to 3:30 p.m.

CAPy 5639 Behavior Problems in Pre-School Children. Psychological development and characteristic problems, common and severe. Feb. 26, 8:30 a.m. to 3:30 p.m.

CAPy 5640 Psychiatric Treatment of the Disruptive Disorders. Primary and associated behaviors in conduct disorder, oppositional defiant disorder, Attention Deficit Hyperactivity Disorder. Consideration of the complicated clinical picture is reviewed. Specific psychiatric, behavioral, and innovative treatment strategies. Jan. 29, 8:30 a.m. to 3:30 p.m.

Youth Studies. See the bulletin, page 361, for information about YoSt 5130, sec 1, which reviews national youth service issues and YoSt 5232 about working with youth in group settings. Both are three-day courses. Quarter-long courses that meet once a week also are scheduled.



The 1993 recipients of the CEE Distinguished Teaching Awards are (from left, standing) Iver Bogen, Professor of Psychology and Mental Health, Duluth campus; Erik Peterson, instructor, Composition and Literature, General College; Maria Wyant Cuzzo, teaching specialist, Political Science; (seated, from left) Bernard Bachrach, Professor of History; and Paul Magee, Professor of Genetics and Cell Biology and Dean of the College of Biological Sciences. The three senior faculty members are long-time instructors in Continuing Education and Extension; Peterson and Cuzzo are doctoral candidates in American Studies and Political Science respectively. All were honored for their excellence in the classroom. In addition, they have provided creativity in program initiation and outstanding service to students. Winners were announced formally at a recognition event Nov. 2. The selection committee is composed of faculty, staff, and students. For information about nominations and eligibility for this year, contact the CEE Dean's Office, 624-2517.

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Wesbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

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Financial planning courses

Learn about paying yourself for your efforts, and planning for the future, through an organized personal financial plan, regardless of your age.

Two new Practical Scholar noncredit courses outline money and investment strategies, the first for those thirty-something and younger and a second for those 40 and older. **Investments and Personal Financial Planning—Stage One (PSch 0906)** focuses on cash flow management, wealth accumulation, college funding, benefits utilization and payment, and early retirement planning for those under 40. Topics include

taking a financial inventory, personal budgeting, setting goals, savings, insurance, cash control procedures, basics of investing, tax considerations, and structuring an investment portfolio.

Stage Two (PSch 0907) emphasizes managing accumulated wealth and the effects of retirement and estate planning. Topics include many of the same issues but now reviews necessary changes, adjustments, and opportunities.

Each course includes four meetings and classes begin in February. Instructor is Jennifer Fogg, M.B.A., a registered investment adviser.



THE
PRACTICAL
SCHOLAR

Registration continues for spring semester classes

Registration is open now for spring semester courses and continues in person and by mail through Feb 2.

Although most Extension classes are offered on the 10-week quarter system, a few departments schedule some semester-length courses (15 weeks), including history, economics, Chinese, German, and physics. Spring semester

classes meet Feb. 14 through June 11.

In-person registration is at 101 Wesbrook Hall on the Minneapolis campus. Office hours are reduced between quarters, but once winter quarter classes begin (Monday, Jan. 3), the office is regularly open Monday through Thursday until 8 p.m. and Friday until 4:30 p.m.

See page 8 in the bulletin for impor-

tant spring semester dates. Registration procedures are described on pages 11-15.

February 2 is the last day to register without a late fee.

To request an Extension Classes bulletin, call 624-2388, or stop by 101 Wesbrook Hall on the East Bank campus. Registration forms are included at the back of the bulletin.

Winter storm watch

Extension classes are rarely canceled for any reason, including bad weather, since missing one Extension class is often equivalent to missing a week of day school classes.

When Extension classes are canceled, there will be an announcement on KUOM radio (770 AM) at 4 p.m. (or earlier). Other local radio and television stations generally are notified and also carry the announcement.

Listen for this announcement (rather

than calling); it is the quickest and easiest method of obtaining the information.

Classes that meet at neighborhood centers in suburban school districts (Roseville, Richfield) will not meet if those school districts cancel classes and close schools.

International health care

Medicine and health care around the world are influenced not only by resources and standards of living but by cultural factors and social milieu.

Learn more about global physical medicine and rehabilitation in **HSU 5297 Rehabilitation: An International Perspective**, a spring quarter class. This 3-credit course is also offered concurrently as PMed 5297 and is available for graduate credit through that section. The day has been changed to Wednesday; class meets 4:45-7:30.

See the bulletin, page 218, for more information. Register in 101 Wesbrook; spring quarter registration begins Feb. 1.



Student jobs often open through Food Services

University Food Services regularly seeks students for job opportunities on campus.

Extension students carrying six credits or more a quarter are eligible for student employment (three credits for graduate students; requirements vary for international students).

Food Services offers flexible scheduling, a variety of positions, and starting pay of \$6.37 an hour. Jobs include line server, food preparation, wait staff, custodial, dishwashing, catering, stocking and delivery, and more. Work schedules can be coordinated around classes.

Check with the Student Employment Service in Fraser Hall, 624-8070, about application procedures and office hours. For more information about jobs, check directly with Food Services staff (during regular business hours). On the Minneapolis campus, see Jan in room 77, Coffman Memorial Union; on the St. Paul campus, see Janet, room 146, St. Paul Dining Center.

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Extension Classes
University of Minnesota
180 Westbrook Hall
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Careers—starting out or starting over?

Start the new year by exploring a new future. Some spaces remain in the career planning workshop offered winter quarter by the CEE Counseling Department.

The workshop provides an overview of the career planning process and assists you in clarifying your interests, values, and personal characteristics as they relate to careers.

The workshop covers how to research occupational information, evaluate career alternatives, and develop an action plan.

The workshop meets Thursdays, 6 to 8 p.m., Feb. 3 to Mar. 10 (six sessions). The fee for the workshop is \$115. For registration information or questions, contact Janet Pelto, workshop counselor, at 625-2500.

More on Research Explorations

Share in the spirit of discovery. Join a University research team through the Research Explorations (REX) program.

Added for winter term: **Predictors of Depression Among Community-Dwelling Spouses of Institutionalized Mates with Cognitive Impairments.**

Call now for more information about this unique volunteer and learning opportunity. As a REX research volunteer, you work with University faculty or other

researchers collecting information, processing data, taking samples, running laboratory tests—whatever it takes to advance important research.

Participation in a REX project can be a great way to explore a career, get involved in something that interests you, or obtain valuable experience. Credit-earning opportunities are optional in many REX projects, too. Call 624-5092 for a complete list of projects available during spring.

Holiday

All classes are dismissed and offices closed on Monday, Jan. 17, Martin Luther King, Jr., Birthday observance.

Parking, up close and convenient

Premium parking spaces, such as the contract lots, ramps, and garages, usually are open to public parking at off-peak rates—except for event nights—in the evenings after 4:30 p.m.

The Church Street Garage, Fourth Street Ramp, Mayo Garage, and West Bank Ramp, and Lot 95 (West Bank) usually are open to public parking at \$1.75. The East River Road Ramp (Levels 4, 5) and the Oak Street Ramp are \$1.55. Other contract lots and Nolte and Coffman garages may be open as well; rates are subject to change and may vary.

Do not park in any contract lot or garage where no attendant is on duty. Your car could be ticketed and towed.

Doing your part as a crew member on Spaceship Earth

Environmental activism begins at home. Make your piece of the earth harmonious with the whole—learn how in **PSch 0958 Designing Gardens and Yards with the Environment in Mind.**

This noncredit class shows you how to design your home garden and yard as a living ecological entity, capable of having a measurable influence on storm water runoff, wildlife habitat, microclimatic conditions, and other concerns.

Explore how changing cultural ideals affect the appearance of homes and gardens and how attention to environmentalism is reflected in the look of our residential areas. Environmental values and issues in garden design and use are also reviewed.

Meets four times, Feb. 1-22, on Tuesday evenings. Call the Compleat Scholar office at 624-8880 for registration information.

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INFO

A Newsletter for Continuing
Education and Extension Students

Opportunities for teachers

Educator, teach thyself

A cooperative effort of the College of Education and Continuing Education and Extension, "The Teacher Leader," provides practicing teachers with a conveniently offered master's degree choice and related course work, as well as other opportunities for professional development.

The Master of Education in Teacher Leadership is available with most of the classes meeting off campus. This year's cohort of students will take classes that meet in Bloomington. Other cohorts have taken classes in the Roseville area and by interactive television in Stillwater and Spring Lake Park.

Program director Judi Linder says the teacher leadership degree, and the efforts of CEE and the College of Education, reflect a renewed emphasis on serving teachers. "This master's degree deals with issues that are important today, such as shared decision making and educational reform policies," Linder says.

Staff members in CEE are committed to an emphasis on services that will facilitate students' participation in the program and help assure their success, Linder says. These include:

- Course scheduling that permits completion of the master's degree in

two or three years.

- Classes that meet off campus in conveniently located suburban locations.
- Late-afternoon and evening classes
- Easy mail registration and support services through a centrally organized, separate office in CEE designated for the Teacher Leader program.

In your master's degree program, you'll connect with other teachers who share your goals and enthusiasm, investigating innovative ideas and issues—organizational change, shared-decision making, group dynamics, school policy, innovations in teaching, alternative delivery systems, multi-cultural education, use of technology, and more.

In addition to the courses for this Master of Education degree, a variety of staff development and personal learning options are available through CEE and the Teacher Leader program.

- Education courses, offered for graduate credit, in a variety of areas taught by dedicated, cutting-edge faculty from the University's nationally recognized College of Education.
- Hundreds of evening courses each year from across the University's curriculum—science, engineering, arts and humanities, business, health, and natural resources. Many are offered for graduate credit.
- College in the Schools, the University of Minnesota program that allows master teachers to work with University faculty and to teach University courses in their high schools.
- Research Explorations for Teachers, summer internships that let you join a University research team (limited stipends available).
- The Compleat Scholar program, offering short-term, noncredit courses in the arts, literature, writing, the social sciences, and natural and physical sciences.

Call 626-7196 to find out more about Teacher Leader learning options, including workshops and focus groups as well as Master of Education degrees and other course work.

Learn more about the Teacher Leader

Attend an information meeting and learn more about the Master of Education in Teacher Leadership. Call 626-7196 to reserve your space on one of the dates listed below.

- Wednesday, Feb. 23, 4:30 p.m. (Bloomington location)
- Saturday, Feb. 26, 11 a.m. (Bloomington location)

Required courses for this degree program will be offered off campus in the Bloomington area starting fall 1994.



UNIVERSITY OF MINNESOTA
GRADUATE DEGREES AND COURSES
COLLEGE OF EDUCATION
CONTINUING EDUCATION AND EXTENSION

Career planning starts here

Individual career counseling is available through the CEE Counseling Department for Extension students (or prospective students) who want assistance in career, educational, and life planning.

Career testing is offered to help students clarify their interests, values, and personal characteristics for decision making. A fee is charged for counseling services. Call 625-2500 for further information and to schedule an initial counseling interview.

Caucus night change—March 1

Caucus night in Minnesota is the first Tuesday in March. The caucus date this year is Mar. 1, and classes must follow the caucus night schedule (no class may meet after 6 p.m.).

This is a change to the bulletin calendar (which lists Mar. 8 as caucus night).

Register now for spring quarter

Registration for spring quarter classes opens this month. Dates are given here for mail registration and in-person registration. Be sure to see the bulletin, pages 8-16, for registration instructions.

Registration in Extension Classes is on a first-come, first-served basis. Many classes fill early. Prompt registration by mail offers you the best opportunity to get into a limited-enrollment class.

MAIL REGISTRATION

February 1 to March 16: Registration forms with tuition checks accepted by mail for all spring classes. Include a separate check for each limited class; nonlimited classes may be paid for with one check.

Fill out the registration form completely. Social Security numbers and birth dates are requested for coding purposes. Include your University I.D. number if you have one. The form may be photocopied if you need additional forms.

IN-PERSON REGISTRATION

March 8 to March 16: In-person registration at 101 Wesbrook Hall, Minneapolis campus; MacPhail Center, 1128 LaSalle Ave., downtown Minneapolis; and the St. Paul Skyway Registration Booth, Norwest Center, Fifth and Minnesota, downtown St. Paul. Weekdays only except for the Wesbrook Hall office, which will be open 9 a.m. to 1 p.m., Saturday, March 12. See the bulletin, page 8-10, for more on dates and hours.

The full amount of tuition and fees now is due when you register. You may charge tuition and fees on VISA, Discover, or MasterCard. (Delayed payment is permitted only for students receiving financial aid through the Office of Student Financial Aid and for third-party billings if arranged for and authorized ahead of time.)

March 16 is the last day to register without a late fee for most spring quarter classes.

To request the Extension Classes bulletin, call 624-2388. Registration forms are

bound in at the back of the bulletin.

Spring quarter classes begin the week of March 28 and run through June 11.

JOINT DAY/EXTENSION REGISTRATION

Registrations through Extension for spring day school classes—those listed only in the day school class schedule and **not** in the Extension Classes bulletin—will be accepted starting February 21. Late fees take effect after March 16.

Poetry and ideas abound in new Saturday workshop

If you enjoy poetry, ideas, and discussion, a newly added Compleat Scholar course will revitalize your imagination this spring.

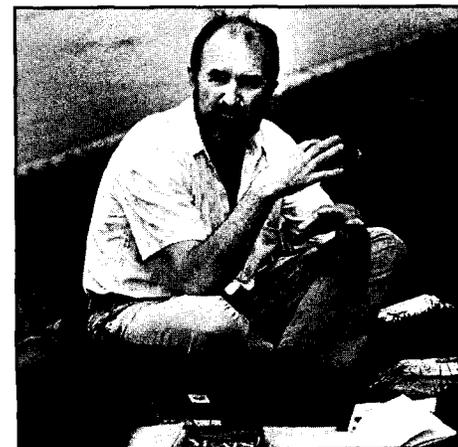
Michael Dennis Browne will lead a one-day noncredit workshop, **The Poet in the World** (CSch 0319), that combines writing sessions with reading a number of "passionate, eloquent" poems, he says, from Carolyn Forché's anthology *Against Forgetting: The Poetry of Witness*.

"We'll explore some ways in which the poetic imagination has responded to social justice issues in the 20th century," says Browne, a professor of English and director of the Program in Creative and Professional Writing. Another topic will be the validity of the distinction between political and personal poetry, both in the United States and around the world. Authors include Anna Akhmatova, Robert Bly, Ernesto Cardenal, Nazim Hikmet, Linga Hogan, and Denise Levertov.

Participants are invited to bring some of their own poems for the two open readings that begin and end the day.

The class meets Saturday, April 16, 9 a.m. to 4 p.m. at the easily accessible Earle Brown conference center on the St. Paul campus.

Call the Compleat Scholar at 624-8880 for registration information.



Browne

Student board makes a difference

The Extension Classes Student Board works on issues important to adult and part-time students at the University—program availability, student services, campus security, parking, Extension's role within the University. If you're interested in being a part of this important effort, consider running for the University Senate and joining the board.

Recent activities of the student board include lobbying the Regents and the administration on behalf of a strong role for CEE and opportunities for part-time students in the proposals for University 2000.

Eight elected Extension student senators (or alternates) will join faculty and day school students in the senate to discuss both the University's internal affairs and its place in the community.

You also will serve on the student board with other appointed board members and Extension staff. The board usually meets once a month (on a Friday evening); senate meetings are once a quarter.

Candidates should file for election as soon as possible during winter quarter. Elections will be held in the spring.

Ballots with candidate information will be distributed during spring quarter; voting is by mail (and collection on campus).

To file as a candidate, you must meet these eligibility requirements:

1. You must be carrying three credits through Extension at the time of election (spring quarter).
2. You must have earned a minimum of 12 credits (evening or day) within the last five years.

Filing forms, election information, deadlines, and details on the student board may be obtained at 200 Wesbrook Hall on the Minneapolis campus, 8 a.m. to 4:30 p.m.; telephone 626-8501.



Continuing Education warms up two degrees

Two degree programs are underway this year as part of a partnership between Continuing Education and Extension (CEE) and local community colleges. The combined effort, known as the Twin Cities Higher Education Partnership, means that adult and part-time students have the option of completing these new University degrees through evening classes at off-campus

locations. Upper division course work for the Bachelor of Information Networking (B.I.N.) is offered at North Hennepin Community College; the Bachelor of Applied Business (B.A.B.) is offered at Inver Hills Community College.

Both programs provide convenience in scheduling, registration options, and student services.

The B.I.N. began last year, and the B.A.B. program will start re-

viewing applications this month. Space is limited in both programs and admission preference is given to students who have completed all the necessary prerequisites. For application information, call CEE Counseling and ask to speak with either a B.I.N. or B.A.B. adviser: 625-2500. Depending on response, information meetings also may be scheduled.

The Bachelor of Applied Business

The Bachelor of Applied Business (B.A.B.), a new practitioner-oriented degree in business, is directed particularly to working adults; classes meet at Inver Hills Community College.

- Degree requirements were formulated by University program staff; reflect a practical orientation; and include features cited by students and area businesses in a survey conducted by administrators at Inver Hills during the planning stages for the degree.
- Courses address real-world business issues and relate workplace skills to students' experiences. A unique professional skills core of classes will emphasize applied skills in areas such as problem solving, interpersonal communications, quantitative skills for decision making, small-group dynamics, and leadership and ethics.
- Graduates of the B.A.B. program will be prepared with a portfolio of skills and competencies that will be valuable in their current jobs and help them advance in their careers.
- Classes will be taught by regular University instructors, Inver Hills instructors, and by adjunct faculty from the business community.
- Students entering the program with 90 quarter credits, including the specified pre-admission requirements, should be able to complete the B.A.B. in three or four years averaging 8 to 10 credits a term.

The Bachelor of Information Networking

The Bachelor of Information Networking (B.I.N.) is a unique career-oriented degree program from the University of Minnesota that combines practical experience and technical learning that is offered in conjunction with North Hennepin Community College.

- The B.I.N. degree is designed in response to the impact of rapid technological changes in the communication and information systems industries.
- The curriculum enables students to learn and apply information processing and management principles, understand the science and computer applications that are related to the process, and work with data over various networks and between different platforms.
- Degree requirements can be completed in three years of part-time attendance by students with appropriate prerequisite courses and two years of college.
- The B.I.N. degree combines course work in computer science, management and information systems, science and engineering, and hands-on practical experience. Students should have a background in computer use.



Empower Yourself!

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Wesbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

Info is a newsletter for University of Minnesota Extension Classes students published 9 times a year—August, September, October, November, December, January, February, March and April-May—by the Department of Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, Minnesota 55455. Second Class Postage Paid, Minneapolis, Minnesota. POSTMASTER: Send address changes to Info, Extension Classes, University of Minnesota, 180 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455.

Students are encouraged to submit editorial opinions to the department. For address changes and name removals, see the instructions on the mailing panel.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

The contents of this publication and other University bulletins, publications, or announcements are subject to change without notice.

Language tutors

Remember that if you are enrolled in beginning or intermediate courses in Spanish, French, or German, language help sessions are available to you twice a week. No appointment is necessary, and the tutors are available to work on a variety of problems or for language practice. Check with your instructor for times and locations of help sessions for your class.



Info (USPS 711-240)
Extension Classes
University of Minnesota
180 Westbrook Hall
77 Pleasant Street S.E.
Minneapolis, MN 55455

To correct your name or address on our lists, send the entire address panel and mailing label from your Info to Extension Classes, University of Minnesota, 180 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455. (Please allow two months for records to be corrected.)

University Archives
10 Walter Library
Minneapolis Campus
CAMPUS MAIL
EC2

Second class postage paid, Minneapolis, Minnesota

Financial aid for adult and part-time students

Now is the prime time to apply for financial aid for the 1994-95 academic year. And if you haven't applied yet for 1993-94, federal and state grants and loans are still available.

If you need assistance with educational expenses and have never sought aid, apply now. If you didn't qualify for financial aid in the past, try again. Remember, qualification criteria do change—and so may your personal goals. You may be ready to accelerate progress toward completing your degree, for example, and a grant or loan could help if you're taking on more credits.

Although there are numerous requirements for financial aid, there are many exceptions. Each program has its own criteria, and the process of exploring financial aid options involves matching your situation with the individual program requirements.

Formulas for assessing financial need for federal and state programs have changed substantially, as have program requirements. Many financial aid options exist for part-time or full-time study.

When you complete the Free Application for Federal Student Aid (FAFSA), you will be considered for many of the major financial aid programs for which you meet the criteria—Federal Pell Grant, Minnesota State Grant, Federal Stafford Loan, and campus-based aid, such as Federal Supplemental Opportunity Grant, Federal Perkins Loan, College Work-Study, Office of Minority and Special Student Affairs funding, and other grants, loans, and scholarships administered by the Office of Student Financial Aid at the University. (Other aid programs may require additional, separate applications).

Since processing time and application deadlines vary, now is the best time to explore your options. Because many financial aid programs require admission to a degree or certificate-granting program, it is advisable to apply for admission and financial aid at the same time.

There are four major sources of undergraduate financial aid—grants, scholarships, loans, and College Work-Study. Grants and scholarships are the most desirable kinds of aid because they do not have to be repaid. All grants require financial need. Scholarships may be

need-based or merit only (no need requirement). Loans may be need-based or no-need. All loans must be repaid, but interest rates and terms vary among the various loan programs. College Work-Study is need-based and is a form of student employment that is awarded as part of the financial aid package. Most students work part-time or full time to pay for a portion of their educational expenses. Sometimes, employers may provide assistance or tuition reimbursement, also.

For more information about financial aid options, contact CEE Counseling at 625-2500.

Added classes: engineering, public health

Introduction to Environmental Law for Engineers (Civil Engineering 5580) is an added spring quarter class. The course covers environmental regulatory law relevant to the work of civil and environmental engineers and specific provisions of federal statutory and regulatory laws.

The course is intended for undergraduate and graduate students as well as practicing professionals in environmental engineering. Students learn about legal terminology, regulatory concepts, and specific laws. No prerequisite but participants should be familiar with the basics of water pollution, treatment, and pollution abatement technologies.

The instructor is Bruce Braaten, a lawyer specializing in environmental law whose undergraduate education is in civil engineering. Meets spring quarter, TTh, 6:40-8:20, CivMinE 205; 4 credits.

Call Extension Classes at 625-9001 for information.

• • •
Public Health Program Planning and Grant Writing (Public Health 5731/Nurs 5966) is an added spring class intended for public health students, School of Nursing graduate students, and health and social service professionals.

Provides knowledge and skills necessary for planning health promotion and disease prevention programs and writing grants to fund these programs. Uses the PRECEDE-PROCEED model as a framework for program planning. Includes small group discussion, program planning paper, grant proposal composition (with individual review session). Limit 20.

Meets four Saturdays, 8 a.m.-4:30 p.m., April 9, 16, 30, and May 7. Call 626-1348 for registration information.

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INFO

A Newsletter for Continuing Education and Extension Students

New phone system improves service

The Extension Classes registration office (101 Wesbrook Hall) now uses an "auto attendant" phone system on its main information line, 625-3333.

When you dial in with a question or for information, you have the option of

pressing a specific number on a touch-tone phone to be directly connected with the staff or office who can best help you. Already this new service has significantly cut down on phone volume, on-hold time, and busy signals. For example,

many people call in on the general information line to request bulletins. With auto attendant, these callers, instead of taking up staff time at the information desk, can be routed directly to the catalog mailing room by dialing "1."

Instructors with questions about rooms and scheduling have a direct-access hotline in the new system, also.

For any other questions, callers dial "3" and receive up-to-date information via a recording on office hours and registration dates and then may stay on the line to be connected to information desk staff for specific questions (closed classes, for example) or referral to other student support services personnel in areas such as financial aid, G.I. certification, and grades.

The system is flexible and additional direct-referral dialing options will be added in the future or at times when calls about particular topics are more likely (such as questions about grades immediately after the quarter ends).

Re-creating history your way

Forget dry-as-dust approaches to history—you know, the slow-moving narratives and the recounting of detail after detail. Make history come alive using creative writing techniques to describe the personal and public past. That's what Margo Fortunato Galt covers in her new Compleat Scholar noncredit course, **The Story in History: Writing Your Way into the American Experience**, this spring.

Learn and practice many writing techniques to find the charm and significance of writing about the past. For example:

- Write poems to grandparents (or about them)
- Compose ballads about heroes and heroines whose moment of crisis defined their generation or times.

Pick up a key fob in 101 Wesbrook Hall

Complimentary key chains are available (while supplies last) at the information desk in 101 Wesbrook Hall on the East Bank campus (and some other locations). The key chains feature phone numbers for . . .

- the campus security escort service, offered evenings by University Police;
- the Motorist Assistance Program, available weeknights in University parking facilities from Parking Services (car starting, changing flat tires, referrals for service);
- Extension Classes and Independent Study catalogs and information referral.

Sponsors are CEE, Parking Services, and University Police.

- Place new perspectives on the Civil War, lynchings, uprisings through photos of war and violence.
- Explore Native American calendars called "winter counts."
- Chart local histories in kitchenettes, brownstones, gabled roofs, tract houses, and shopping malls—your own personal and historical environment.
- Define an era, such as World War II, using the automobile as a character in drama.

The applications and angles are as plentiful as our experiences.

Call 624-8880 for registration information. This class meets off campus at Linden Hills Library in southwest Minneapolis, Thursday evenings, Apr. 7-May 5.

Other spring Compleat Scholar writing courses focus on autobiography, journals (with Phebe Hanson), poetry of witness (with Michael Dennis Browne), magazine writing, nonfiction, and writing about grief and loss.



THE
COMPLEAT
SCHOLAR

March special hours, closing

Mar. 17-18: Late registrations accepted by mail or in person (101 Wesbrook only) with a \$5 late fee.

Mar. 21-24: Late registration period continues for spring quarter. Registration office open 8 a.m. to 4:30 p.m. (Monday through Thursday; closed Friday).

Mar. 25: Floating holiday. **All campus offices closed.**

Mar. 21-27: Spring semester classes (15-week term classes that began Feb. 14) are dismissed for spring semester recess.

Mar. 28: Spring quarter classes begin; spring semester classes resume. Registration office in 101 Wesbrook Hall resumes evening hours, Monday through Thursday.

Join a University research team with REX



Discover a new type of educational experience this year—one that merges a little work, possibly a little travel, and a lot of learning and satisfaction.

That's what you get with Research Explorations (REX), the University of Minnesota program from CEE that matches volunteers with faculty working on important research projects—in the laboratory, in the field, and in the community.

And that's what Norman Glock found working as a REX participant last summer in a civil engineering study testing and evaluating prestressed concrete structural elements.

Glock, a science teacher at South High School in Minneapolis, assisted civil engineering professor Cathy French, whom he described as a dedicated instructor. "She's a gifted, talented person," Glock says. French sat down with him at the start of his four-week session and spent an hour bringing him up to speed on the project, Glock says. "She would answer any question you had."

The commitment was basically every day for four weeks, some of it lab work in the lower levels of the Civil and Mineral Engineering Building on campus—testing different concrete mixtures and prototypes—plus visits on site to a concrete plant in Elk River where the girders were fabricated.

An application for the high-strength concrete includes bridge girders, Glock notes, such as those used on the Bloomington Ferry Bridge. "There are 700 girders, some 135 feet long and 81 inches high, in the bridge," he says. "Girders like those could be reduced to 45 inches high using this technology."

"I was part of a group of anywhere from six to twelve people working on different parts of the project," he says. In addition, he spent time before and after writing curriculum, and he now brings his REX experience to the classroom with laboratory exercises he developed and includes in his high school science courses.

But Glock didn't choose this project to work on just because of his professional interest as a teacher certified in physics, chemistry, and earth science. "I'm an old farm boy, and the labs down in the civil engineering building are like an oversized erector set," Glock says. "I really enjoyed it because it was a chance to play with some of those big toys."

Wanted—a few good men and women

All REX projects, whether in the field or in the laboratory, are a way to learn



Norman Glock (left) participated in a REX for Teachers project last summer with civil engineering professor Cathy French.

What can you do through Research Explorations?

- Try big-time gardening. Dig up vegetables and compare growth differences based on soil fertility (REX 0105).
- Search for and record incidence of farm accidents and other rural injuries in a study funded by the Center for Disease Control (REX 0360).
- Track the movement of herbicides through soil to our groundwater (REX 0121).
- Reconstruct the history of commercial activity in a geographical survey of old St. Paul (REX 0407).
- Identify and classify relics of the Iron Age collected from a buried city on a Bavarian hillside (REX 0209).
- Translate and transcribe Spanish documents from 16th- and 17th-century Central America to learn about colonial life and the impact of religious missions on the Honduran Indians (REX 0234).
- Review criteria and events surrounding the decision to declare someone mentally incompetent (REX 0337).
- Measure the effects of aluminum toxicity in bone development and bone disease (REX 0334).
- Test and review applications for high-strength concrete structural components and their place in earthquake-resistant construction (REX 0444).
- Assess the attitudes of students and teachers regarding citizenship concepts and their influence on social studies curriculum in secondary schools (REX 0614).
- Compare insect populations and pollination levels in restored prairies versus virgin prairies (REX 0150).
- Build and test a replica Iron Age smelting furnace as part of an experimental archaeology project (REX 0208).

For a complete listing of REX projects, with complete descriptions, call 624-5092.

Premium learning for adult, part-time students

Through several unique and innovative evening courses, a collection we call the Academic Connection, you can have the specialized, in-depth opportunities that make a college education something more than just taking classes.

A few spring courses are highlighted here (see the bulletin page listed for the complete description). Register as soon as possible in 101 Westbrook Hall or call 625-3898 with questions about specific courses.

Amln 3116 American Indian Literature. Meets at the Mdewakanton Sioux Community Center, 2330 Sioux Trail N.W., Prior Lake. Comparative studies of oral traditions and modern tribal literature. No prereq. Spring quarter, sec 2, 4 credits, \$294 resident; W, 6:20-8:50 p.m. Carol Miller, associate professor. See the bulletin, page 65.

Afro 3072 Racism: Social-Psychological Consequences for Black Americans. Definitions, determinants, and dynamics. Experiential context, individual and institutional racism. John M. Taborn (61).

Dnce 1110 Indian Classical Dance. Classical dances of India, including Bharatanatyam (south) and Kathak (north) (130).

HSem 3090 Education and the Good Life: Controversy about Education in 19th-Century Russia. Western influences, capitalism, and parliamentary democracy versus Narodniks and slavophiles and the unique qualities of Russian history. The historical context of the debate, its place in literature and social commentary. A CLA honors course;



prereq 3.50 gpa and permission. Gerald M. Erickson (225).

PubH 5637 Cross-Cultural Health Issues in Minnesota. Health issues and "health culture" of ethnic communities in Minnesota; cultural factors that influence health care (310).

ID 3334 Goethe and Newton: A Study in Science and Belief. An examination of the opposing way these thinkers reconciled their scientific researches with their spiritual beliefs, Newton who judiciously separated them and Goethe who effectively integrated them. Cultural, historical, and subsequent influences. The aims are to articulate and understand alternative approaches to scientific and artistic creativity and to gauge the role of spirituality in the life of the mind. Roger Jones and William Mishler (244).

Phil 5615 Minds, Bodies, and Machines. Philosophical relevance of cybernetics, artificial intelligence, and computer simulation. Joseph Owens (288).

ReIS 3960 U.S. Women's Reconceptualization of Christian Spirituality. Writings of Rosemary Radford Ruether, Elisabeth Schüssler Fiorenza, Sally McFaugé, Lefty Russel, Mary Daly, Carol Christ, Judith Plaskow. Review of their outlooks on traditional theological and popular understandings of the nature of the divine, sin, and salvation (316).

BGS 3019 U.S./Asian Trade Practices: Opportunities and Obstacles to Market Penetration. Trade and business investment practices between U.S. companies and Japan, Taiwan, China, Hong Kong, Korea, Singapore, Malaysia, Thailand (95).

OMS 5100 Manufacturing for Competitive Advantage. Overview of manufacturing, emphasis on how it contributes to competitiveness; intended primarily for students, professionals in engineering and management disciplines. Strategy, technology, quality, integration of the work force (284).

PA 5113 Public Services Redesign. Theory, strategy, politics, and practical mechanics required to adapt the public service system given constraints on resources and pressure for effectiveness and equity. John Brandl (302).

HSU 5297 Rehabilitation: An International Perspective. Explores physical medicine and rehabilitation as well as prevention issues in other countries. Cultural factors influencing health services. Grad credit available as PMed 5297 (218).

Amln 3960 American Indian Women's Literature. Connections among traditional cultural expressions of American Indian people and the artistic identities and voices of American Indian women writers. Carolyn Bordeaux (66).

Research Explorations

from page 2

what's going on in University research—and a way to help it along, says Susan Henderson, REX program director. "REX can be thought of as an exchange of information; volunteers learn something from their participation and the project is advanced by their contribution," Henderson says.

REX participants must apply and be accepted into the projects. The principal qualifications are curiosity, adaptability, and an ambition to learn about—and support—important research, says Henderson. "You don't always need special training, but you do need a desire to help and a desire to learn."

In many cases, Henderson points out, REX participants do not have a strong vocational interest in the research topic. "Some people register for just the opposite reason—they want the challenge of something new, something different."

Although REX itself is a noncredit program, many students are including credit learning options as part of their participation, Henderson says. Through directed-study registration, REX volunteers have earned credit in various social science and science areas, and teachers in particular have taken advantage of credit-earning possibilities. REX staff can help in identifying options and refer inter-

ested students to advisers and faculty to arrange for credit registration.

REX for Teachers

Elementary and secondary school teachers can join designated REX projects that include opportunities to develop curriculum materials and earn graduate credit (optional).

REX for Teachers has a limited number of spaces and stipends available for certain projects. Funding is provided by Dwight D. Eisenhower Mathematics and Science Education Act, P.L. 100-297 grant administered through the Minnesota Higher Education Coordinating Board and through gifts from General Mills Foundation and Medtronics Foundation's STAR program.

Applications for scholarships for teachers close March 15. This year, for the first time, teachers may also participate in REX for Teachers for a modest program fee; the deadline for fee-basis participation is May 2.

* * *

For more information, detailed project descriptions, and application forms, contact Research Explorations, University of Minnesota, 206 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455. Telephone (612) 624-5092.

E-mail connects you to the world

By Nancy Gonzalez
Senior Academic Adviser
CEE Counseling

How would you like to...

- read tomorrow's weather forecast
- find out about your instructor's office hours
- ask a classmate to meet you before class to study
- scan the *Minnesota Daily* headlines
- obtain a document from another University which you need for the paper you're writing
- send a request, worldwide, to see if anyone has a replacement part for your VW

...all within 5 minutes without leaving your desk?

These are some of the opportunities available to you, as an Extension student, using Electronic Mail (e-mail) and the internet computer network. Each Extension student is assigned a free e-mail account on the University's Computer and Information Services (CIS) computers, which gives you access to campus e-mail and the network that Vice President Al Gore calls the "Information Superhighway."

Computer labs are sprinkled across the Twin Cities campus for student use. From these sites, or with a modem and a home computer, you can log into your student e-mail account and start "cruising" the internet.

Several software packages are available free-of-charge to use e-mail and the internet. PINE is an e-mail program that runs on the CIS mainframe comput-

ers at the University. CIS also developed the popular packages for e-mail on campus: "POPmail" for the Macintosh and "MINUET" for IBMs and compatibles. In addition to e-mail, there is free software to support FTP (file transfer protocol), Telnet (a terminal emulator), a netnews reader (with over 4,000 special interest clubs) and CIS's internet touring package called "Gopher."

On the Mac, these applications are all available free in separate packages which work well because of the Macintosh's multi-tasking capability. For the IBM and compatibles, on which simultaneous multiple tasks are more difficult, CIS has developed "MINUET" which has been described as a "Swiss Army Knife" for the internet. MINUET combines e-mail, Gopher, FTP, Telnet, and a

netnews reader in one multi-task package.

With these tools, you can research data from universities and libraries worldwide and transfer data right to your desk. Another software package developed at the U, UMSlip, is the electronic handshake that allows your home modem to dial the University's server and hook you up to the world.

Learning to use all of these packages is easier than you think. Free classes are available as well as written instructions and phone-in helpline services. The computer lab staff is also helpful in getting you started. The e-mail helpline number is 626-7676. The microcomputer helpline assists users in-person and by phone in 125 Shepherd Labs (626-4276). See you on the 'net!



A beautiful day in the neighborhood

Take a class near home or work. Each quarter, some Extension classes are scheduled at Richfield High School and Roseville Area High School. Spring quarter classes are listed below. Register in 101 Wesbrook Hall or by mail (registrations are not accepted at these local sites). Some sections may already have filled.

Roseville Area High School (1261 W. Highway 36)

Comp 1011 Writing Practice
EPsy 5651 Managing Problem Behavior in the Classroom
Mktg 3000 Principles of Marketing
Math 1221 Calculus II
Psy 3201 Introduction to Social Psychology

Richfield Senior High School (7001 Harriet Ave. S.)

Math 1252 Integral Calculus II
Psy 3604 Abnormal Psychology

Don't forget to take out the garbage

ID 5526 Garbage, Government, and the Globe. One of the most popular interdisciplinary courses offered. A hard look at the real-life, integrated issues of waste management, toxic materials, environmental ethics, conservation, and economics. Call 625-3898 for spring quarter topics and registration materials. N prereq. Grad credit available.

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Wesbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

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More than a workshop: Seminars Plus++

Seminars Plus++ isn't the usual sort of professional development.

You know the routine—sit in a hotel meeting room, listen to a self-proclaimed expert (who's usually on an extended road trip with a traveling seminar show), jot down a few pearls of wisdom that might apply to you, and forget it all the next day back at the office when you're facing deadlines and a stuffed in-box.

Seminars Plus++ is new from the Management Advancement Program (MAP). These career-based workshops deliver professional development with a difference. Here's why:

- These seminars offer you input . . . we ask you to think about what you're going to learn ahead of time and tell us in writing what you expect, what you need to know. All participants submit their questions and interests to the instructor about two weeks before the workshop.
- These seminars are locally based and new from the University . . . you'll be learning from experienced managers, experts with proven track records, and University faculty.
- These seminars keep on working for you and your staff because when the workshop is over, it's not over . . . you meet again in a brief follow-up session a few weeks later to discuss and evaluate your efforts and outcomes.

Call the Management Advancement Program at 626-8713 for complete seminar descriptions.

Forever Jung

Select from either a credit or non-credit course this spring on C.G. Jung.

Hum 5910 C.G. Jung in Multidisciplinary Perspective. An exploration of Jung's psychological theories, their epistemological assumptions, and their applications to cultural anthropology, history, mythology, religion, art and literature, alchemical symbolism, and the relationship of the mental to the physical. 3 credits; grad credit available. George Klinger, assistant professor. See the bulletin, page 228.

CSch 0254 Dream Work: A Jungian Approach. Study of *The Wisdom of the Heart*, by psychologist and Jungian analyst Karen Signell, points us to the self, the shadow, inner aggression, relationships, and inner wisdom in our dreams. No credit. Meets mornings, W, Apr. 6-May 4, off campus. See page 392 or call the Compleat Scholar at 624-8880.

Upcoming seminars include the following:

Performance Management and Communications

Strategic Selling

Making Teams Work Better

Cultural Diversity: Managing Differences

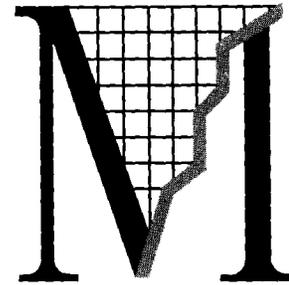
Quality Customer Service

Creating Fast-Cycle Business Processes

Activity-Based Management

Timing Your Business Decisions

Using Automated Data Collection in Continuous Improvement Process



MANAGEMENT

ADVANCEMENT

PROGRAM

More courses for spring

CSch 0577 The History of Computers: Approaches to Computation. For centuries people have attempted to develop machines to perform computations mechanically. The modern digital computer draws from a rich history of theoretical and real machines. Trace the history of computation and the numerous past approaches to mechanizing computation and programming these machines. Examine the techniques that modern digital computers have borrowed from theoretical models of computing and from other machines like the analog computer and the Babbage Difference Engine. No prereq. A Compleat Scholar course. Spring special term, sec 1, no credit, \$74; M, 6:30-8:30, Apr. 11-May 9 (5 meetings). Bulletin, page 409; or call 624-8880.

* * *

PubH 3301/5301 Perspectives: Interrelationships of People and Animals in Society Today. Also offered as CVM3100. Human-animal bond, animal behavior, relationships with pets. Environmental, physical, behavioral, emotional factors influencing animal/human relationships and alternative approaches to promote quality of life, health and welfare of people, animals, plants, and our environment. Other issues may include animal rights and animal well-being, zoos and wildlife, marine mammals. No prereq. Grad credit available (5301). Spring quarter, sec 1, 2 or 3 credits, \$102 per credit; T, 4-5:40, AnSciVM 125, St. Paul campus. See the bulletin, page 308. Register in 101 Wesbrook Hall.

* * *

IntR 3900 International Governance in the Next Century. This year marks the 50th birthday of the United Nations. This

course examines the historical, present, and future role of the United Nations in the international arena. Many critical issues will be addressed: the ever-changing peace scene, environmental degradation, and international governance. No prereq. Spring quarter, sec 6, 4 cr, \$294 resident; T, 6:20-8:50. Barbara Knudson, professor. See the bulletin, page 246.

* * *

Anth 3960 Archaeology by Experiment. Through careful design, implementation, and analysis of experimental work, we may gather information to develop more thorough models of past life. The course explores method, theory, and practice through case studies and examination of general trends. Experimental topics include metals, tools, agriculture, voyages, and structures. Students participate in approved experiments outside of class. No prereq. Spring quarter, sec 1, 4 credits, \$294 resident; Th, 6:20-9:30 p.m. Register in 101 Wesbrook Hall; call 625-1062 about course content. Students in this class participate in **Smelt 1994**, a reconstruction of an Iron Age smelting furnace and procedures, a firsthand look at the tools and techniques from 2,000 years ago.

* * *

Mus 5950 Broadway Musicals. The "Golden Age" from *Oklahoma!* in 1943 through *A Chorus Line* in 1975. Origins of the modern Broadway musical; analysis of common musical styles, cultural trends, principal composers, lyricists, performers. No prereq. Grad credit available. Spring quarter, sec 1, \$294 resident; M, 6-10 p.m. Register in 101 Wesbrook Hall.



Info (USPS 711-240)
 Extension Classes
 University of Minnesota
 180 Westrock Hall
 77 Pleasant Street S.E.
 Minneapolis, MN 55455

To correct your name or address on our lists, send the entire address panel and mailing label from your Info to Extension Classes, University of Minnesota, 180 Westrock Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455. (Please allow two months for records to be corrected.)

University Archives
 10 Walter Library
 Minneapolis Campus
 CAMPUS MAIL
 EC2

Second class postage paid, Minneapolis, Minnesota

Registration for spring quarter

Registration for most spring quarter Extension classes is open through Mar. 16 without a late fee.

You may register by mail through that date, or stop by and register in person from Mar. 8 to Mar. 16 at the locations listed below.

Registration in Extension classes is on a first-come, first-served basis. Some high-demand classes, or certain sections of them, may already have filled.

When you reserve classes in person you must pay tuition immediately to complete registration. You are not registered until tuition and fees are paid. You may charge tuition and fees on Visa, MasterCard, or Discover.

The last day to register without a late fee is Mar. 16 for most spring quarter classes.

If you miss the Mar. 16 deadline, you can register with a \$5 late fee starting



IN-PERSON REGISTRATION LOCATIONS—MARCH 8-16

- **101 Westrock Hall, Minneapolis campus.** Hours are 9 a.m. to 8 p.m., Monday through Thursday; 9 a.m. to 4:30 p.m. on Friday; 9 a.m. to 1 p.m. on Saturday.
- **MacPhail Center, 1128 LaSalle Ave., downtown Minneapolis.** Hours are 9 a.m. to 6 p.m., Monday through Thursday; 9 a.m. to 4:30 p.m. on Friday. Closed weekends.
- **Skyway Registration Booth, Norwest Center, downtown St. Paul.** Hours are 9 a.m. to 5 p.m., Monday through Friday. Closed weekends.



Mar. 17. Late registration continues through the first week of classes with the \$5 late fee. See page 10 in the bulletin for office hours during late registration.

March 25 (Friday) is a floating holiday

for the University calendar this year. All offices are closed.

Call 624-2388 to request the Extension Classes Bulletin; registration forms are bound in at the back of the bulletin.

Honor thy teacher

The CEE Distinguished Teaching Awards are given annually to teachers providing credit or non-credit instruction offered or co-sponsored by Continuing Education and Extension.

Students and staff are invited to make nominations for the awards, which includes a plaque, a \$1,000 award, and recognition at the annual reception in the fall.

Nominations are due to the selection committee by March 31, 1994. Nomination forms and guidelines may be picked up in the CEE Dean's Office, 150 Westrock Hall; call 624-9329.

Complimentary parking for Saturday registration

The registration office in 101 Westrock Hall is open Saturday morning, Mar. 12, 9 a.m. to 1 p.m., for in-person registration. Advisers are available to help in registration or to answer questions.

Free parking is provided in the Church Street Garage for people who want to take advantage of Saturday registration hours. The entrance to the garage is across from the architecture building on Church Street (same as 17th Ave. S.E. off campus). Westrock Hall is on the opposite (west) side of Northrop Auditorium from the garage. Pick up a parking voucher at the information desk in 101 Westrock; turn this in to the attendant with your ramp ticket when leaving.

Careers starting out or starting over

Need help planning your career? The CEE Counseling Office will offer its popular career planning workshop in spring quarter to get you started.

The workshop provides an overview and assists you with clarifying your interests, values, and personal qualities for career de-

cision making. Also: how to gather occupational information, evaluate career alternatives, and develop an action plan. Meets Thursdays, 6-8 p.m., Apr. 28-June 2 (six sessions). Fee for the workshop is \$115. For registration, contact Barbara Krantz, workshop counselor, at 625-2500.

MCC
2-1-93

INFO

A Newsletter for Continuing Education and Extension Students

Fall information meetings help you get started

Returning to school? Need to know what to take, how to register, or what options exist? The CEE Counseling Department will offer two kinds of group information sessions designed for students new to the University. The sessions are held frequently, both on and off campus, during July, August, and September and cover different registration options (see below).

Evening, correspondence, and media-assisted courses

Registration information sessions are for individuals who want to find out more about CEE and are considering evening Extension classes or Independent Study correspondence courses. These sessions will provide information on returning to school, the University and how it is organized, registration procedures, degree program admission and major requirements, and selecting courses. General information about financial aid also will be included.

After receiving general information, students will be able to meet in small groups according to their academic

interests. In these groups, they will learn information specific to their intended area of study. There will be an opportunity to ask questions, and if students bring a transcript, they will be able to discuss their transfer of credits.

For these meetings, call 624-0029. Information about meeting dates this summer will be sent to you as soon as the schedule is available.

Day courses

Joint day/Extension registration information sessions describe how CEE students can take classes during the day. Occasionally CEE students cannot take classes at night or their schedules allow them to take courses during the day. Many day courses are available to Extension students through the joint day/Extension registration procedures, including some that are not (or rarely) offered in the evening. Joint day/Extension registration may not be for everyone, so call to discuss your plans with an adviser before attending an information meeting about enrolling in daytime classes.

Please call CEE Counseling at 625-2500 if you have questions or wish to sign up for one of these information sessions.

New policies make degree requirements more uniform

The University's Council on Liberal Education (CLE) is presently developing a consistent, University-wide set of liberal education requirements (the "general" courses required for a degree) that will be in place for new first-year students entering the University in fall quarter 1994.

By fall quarter 1996, it is anticipated that almost all newly admitted students will follow these "user-friendly" CLE requirements.

These uniform liberal education requirements will make academic planning a lot less confusing since they will apply to all bachelor's degrees (except the partnership degrees with the community colleges, although CLE courses may meet electives). Students who are undecided on a major will also find these new requirements will make their lives a bit easier. Since the same "generals" will apply to all degrees, undecided students can begin working on their degree in earnest before they officially declare a major.

Information and lists of courses that fulfill these requirements are expected before fall quarter 1994. Watch for more information in *Info* this fall and in the new 1994-95 Extension Classes bulletin.

Holidays

Offices will be closed and no classes will meet on the following University holidays: **Memorial Day (Monday, May 30) and Independence Day (Monday, July 4).**

Make summertime a learning time

Through summer evening Extension classes, you can sharpen job

skills, work toward a degree, or explore a new interest.

For many students, summer evenings are a good time for earning college credit because of the special schedule for most classes. Two class meetings each week means that many quarter-length classes can be offered over 5-week terms. Semester-length classes and five-credit courses have shorter class periods or are offered over 10 weeks instead of 15 weeks.

More than 200 credit and noncredit classes are waiting for you. So credit yourself for making a few summer evenings a time for learning this year. Check through the course titles in the Summer Evening Extension Classes Bulletin. If you don't have a copy, call 624-2388 to request one.



CentrUM—connections for educators

Science CentrUM is a new program in Extension Classes designed especially to serve K-12 teachers, particularly in the sciences. It's intended to be an information source, according to coordinator Susan Henderson. "The Science CentrUM will function literally and symbolically as the link supporting school teachers and University faculty engaged in K-12 science education," says Henderson.

The intent is to make connections, says Henderson, between teachers and college faculty and to address issues related to curriculum development, teaching methods, professional development and graduate education, and to other disciplines. "We are especially pleased at the interest science faculty throughout the University are showing," she says. "Faculty from departments as diverse as mechanical engineering and food science and nutrition are saying they want to be involved in the K-16 continuum of science education."

Science isn't just studied within the context of the lab, field, or classroom, but also in its social, political, and ethical applications, she notes: "We hope to foster connections among the traditional disciplines as well as among people." The humanities, social sciences, technology—all these areas can fit into an interdisciplinary approach to learning and teaching science. College-level examples in Extension Classes include credit courses like **Garbage, Government, and the Globe** and **Ways of Knowing** that are team taught by instructors from areas as diverse as soil science, biology, political science, geology, and English.

Currently, staff at the Science CentrUM are planning an informal workshop for K-12 teachers on integrated curriculum with College of Education faculty mem-

THE SCIENCE CentrUM

bers JoAnne Buggiey and Fred Finley. They're also producing a quarterly newsletter to update teachers on a variety of activities, like participation on research projects through Research Explorations (REX), school visits to classrooms by I.T. students sponsored by the Society of Women Engineers and the Institute of Technology, learning materials available from the Bell Museum of Natural History, and numerous graduate-level courses for teachers offered late afternoons, evenings, and summers (see listing below).

If you want more information and want to receive regular updates, contact the Science Centrum at (612) 625-6361; e-mail address is hende002@maroon.tc.umn.edu.

* * *

Summer courses for teachers

Call 624-5092 for details about these courses.

Using Decision Cases in Teaching Science and Social Studies. For secondary school applications. Hands-on workshop; developing decision cases for classroom use. Real situations using real information form letters, reports, newspaper articles. Students gather information in pertinent science and social studies fields to help them make their decision. Meets 9 a.m. to 1 p.m., June 20-July 1; 4 credits.

Science in the Classroom: Food Chemistry. A week-long workshop. Offers a wealth of usable information about sub-

jects such as emulsions, osmosis, diffusion, density; hands-on instruction, detailed descriptions of classroom activities (includes materials kit for implementing activities). Teachers do experiments and know what to expect when students try them. Call for dates, times.

Garbage, Government, and the Globe. Popular Interdepartmental Study evening class now available summer. Learn about the messy, real-world problems of solid waste management in this two-week course with a focus for teachers in this special offering. Topics relate to garbage and its relation to a wide range of issues: the economy; politics; pollution; health; ethics; business. Curricular materials reviewed. Includes speakers, video, discussion, field trips. Meets 9 a.m. to 4 p.m., June 14-24 and July 19; St. Paul campus.

Plant Biology Workshop for Elementary Teachers. A two-week workshop for teachers. Learn how plants can be used in classrooms; how to obtain and grow plants and integrate them into activities. Bottle Biology; Wisconsin Fast Plants; GrowLab. Background information, current research. Selecting, adapting, creating curricular materials. S-N only. Meets 9 a.m. to 4 p.m., July 25-Aug. 5 plus follow-up meetings to be arranged during the academic year.

Introductory Soil Science for Teachers. Basic concepts. Lecture, laboratory, field trips. Preparing experiments for the classroom. Meets 8:30 a.m. to 3:30 p.m., June 20-July 1.

Last call for REX summer projects

You can still apply to summer Research Explorations (REX) programs. As a REX participant, you assist a University faculty member as a volunteer member of research team.

REX students help with data collection, laboratory or field experiments, information processing, animal care, interviewing, or other activities associated with a research project. Time requirements vary from full-time two-week summer commitments to part-time schedules of four to six hours a week over a quarter or a year, if you like (requirements vary by project).

Through directed-study opportunities, it may be possible for you to receive credit for your participation. **Application deadlines are May 16 for the first summer session, June 23 for the second summer session, and August 22 for fall quarter.**

For more information and an application form, call the Research Explorations office at 624-5092.

UNIVERSITY OF MINNESOTA EXTENSION CLASSES INFO (USPS 711-240)

Registration Office: 101 Westbrook Hall
Telephone 625-3333

Charles R. Cheesebrough
Editor

Info is a newsletter for University of Minnesota Extension Classes students published 9 times a year—August, September, October, November, December, January, February, March and April-May—by the Department of Extension Classes, University of Minnesota, 180 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, Minnesota 55455. Second Class Postage Paid, Minneapolis, Minnesota. POSTMASTER: Send address changes to Info, Extension Classes, University of Minnesota, 180 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455.

Students are encouraged to submit editorial opinions to the department. For address changes and name removals, see the instructions on the mailing panel.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

The contents of this publication and other University bulletins, publications, or announcements are subject to change without notice.

Courses galore for summer

Much is new, improved, or of special interest in the summer bulletin this year. A few areas are highlighted below; page numbers in the summer bulletin are included in parentheses.

American Indian Studies. Amln courses are new to the summer bulletin this year.

Select from three courses; all meet twice a week for five weeks. Introduction to American Indian Studies: images, communities, linguistics and literature, tribal ethnohistories. American Indian Literature: oral traditions and modern tribal literature. American Indian Philosophy:

comparative studies, tribal world views, ecological consciousness. (37)

Natural Resources and Environmental Studies 5100. Identify and analyze natural resource and environmental problems and solutions. Presentations, team participation; special afternoon scheduling. (75)

Be a better learner. Courses to improve study habits, academic skills, personal growth. LASK 1101 Becoming a Master Student (71); Rhet 1104 Library Research Methods, Rhet 1441 College Reading and Learning Skills, Rhet 1151 Writing in Your Major (81); General College Preparatory Mathematics Program includes plane geometry, intermediate algebra (I, II), and basic mathematics (60); English As a Second Language: developing fluency, listening and speaking skills (56).

Jewish Studies 3521 The Holocaust. Nazi destruction of Jewish life in Europe, 1933-45. Historical and social background of Jewish communities and life; anti-Semitism; ghettos under Nazi rule; Jewish resistance; historical consequences. (38)

Dance. Beginning courses in modern, ballet, ballroom, international folk, tap. (49)

Psychology 5960 Disability in Higher Education. Services for college students with disabilities; student service professionals and institutional response; access, accommodation, retention; attitudes toward people with disabilities and psychology of disability; counseling issues; technology; unmet needs; government requirements. (79)

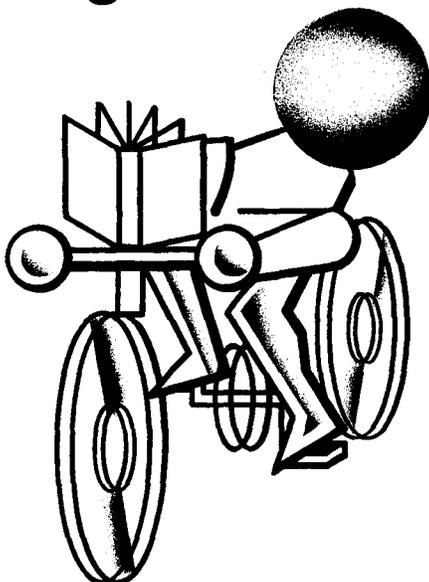
Summer terms information

Procedures and features to note in the summer bulletin are listed below.

- **Official registration forms** are bound into the summer bulletin at the back. The registration forms are on yellow paper. **Please use these forms when you register.** This can save Extension Classes considerable mailing and printing expense (compared to requesting additional forms by phone or picking them up in the registration office).
- **FAX registration.** You may submit your registration by FAX with billing authorized to your VISA, Discover, or MasterCard. FAX-transmitted registrations are effective the day received (except for those received before the official start of the registration period, which will not be accepted and will be returned to the sender by mail). The FAX number is 625-1511. Fee statements are returned by mail only.
- **I.D. numbers** are now assigned to your undergraduate transcript record when you register for Extension classes. Always use the I.D. number when you register or complete other University forms. Extension students formally admitted to a college are eligible for an I.D. card (optional) and are urged to obtain one. Students not admitted to a college may purchase an I.D. card for \$5. See the summer bulletin, page 22, for information about how to obtain a University I.D. card.
- **Cancellations/refunds.** The refund policy has been liberalized over the last year and is closer now to the policy in day school. Generally, students can attend the first week of regular-term classes and still cancel without a penalty; see deadlines on page 33. Refunds and deadlines for special-term classes are prorated in relation to the length of the term. See the summer bulletin, pages 31-33, for complete information.

Refunds for tuition payments made by check or cash are paid by check only and are mailed to the student. Credit card refunds are credited to credit card accounts only. Financial aid tuition payments made through STARS are refunded to STARS only. A minimum of four weeks is required for processing a refund made by check.

Summer registration



TERMS

First 5-week term June 13 (Monday) to July 19
 10-week term June 13 to August 24
 Second 5-week term July 21 to August 24

REGISTRATION DATES

By mail (first 5-week term and 10-week terms) May 2 to June 1
 (second 5-week term) May 2 to July 6
 In person (first 5-week term and 10-week term) May 23 to June 1
 (second 5-week term) May 23 to July 6

REGISTRATION OFFICES

Minneapolis campus 101 Westbrook Hall
 Downtown MacPhail Center 1128 LaSalle Ave., Minneapolis

All registration offices are closed weekends and holidays. (No Saturday in-person registration hours during summer.)

Students are urged to register by mail for all classes (limited and unlimited). A check, money order, or payment authorization (credit card, financial aid, or pre-approved third-party billing) must be included to cover the full amount of tuition and fees.

June 1 is the last day to register without a late fee for 10-week term classes and first 5-week term classes; July 6 is the 1st day to register without a late fee for second 5-week term classes.

See the Summer Evening Extension Classes Bulletin for complete registration instructions, dates, and hours. For information, telephone 625-3333.

A few good men and women may not be enough

Extension classes with low enrollment are subject to cancellation. Although the programming staff would prefer not to have to cancel classes, sometimes

there is no choice, especially when the cost of instruction and/or materials far exceeds the tuition generated.

Decisions on classes to be canceled are made after registration closes but before classes begin. While late registrations might bring enrollment up to the point where the class could be offered, delaying the decision until the first week of the term rarely is permitted because it complicates transfers to other classes and limits choices for students.

Special effort is given to maintain advanced courses and courses seldom offered which may be important to students completing degrees.

The department reserves the right to cancel, postpone, limit enrollment, split, or combine classes and to change instructors and locations. Students registered in a class that is canceled may transfer to another class without a late fee during the first week of classes; otherwise, they will be given a full refund.

Macintosh CAD courses available

Two new courses in computer-aided drawing are offered through Architecture this summer. The two-course sequence is based on use of AutoCAD Release 12 for the Macintosh.

No experience or prereq for the first course (5950); second course requires completion of 5950 or previous experience in AutoCAD. Meets twice a week for five weeks.

Arch 5950 Topics in Architecture: AutoCAD I (sec 50); 4 credits. Basic concepts, tools, and techniques of computer-aided drawing. Introduction to AutoCAD Release 12 for Macintosh. Demonstration, discussion, hands-on training. No previous computing experience necessary. First 5-week term. Limit 13.

Arch 5950 AutoCAD II (sec 51); 4 credits. Intermediate and advanced computer-aided drawing. Strategies and techniques for producing dimensional and annotated drawings suitable for plotting; 3-dimensional design; dimension variables, attributes, blocks, symbols, customized menus. Demonstration, discussion, hands-on training in drawing architectural construction documents. Second 5-week term. Limit 13.

Call 624-1641 for information.

Lifelong learning through Elderhostel

Elderhostel, a living-and-learning experience just for seniors, returns this summer with a salute to great music, *Sommerfest 94—A Music Fest of Classical Proportions*. Hostelers live in college dormitories, interact with peers, and experience the role of student in specially designed college-level but noncredit courses taught by regular college faculty (no exams, no grades, no previous college required).

Elderhostel is for persons 60 and older and includes noncredit study and other activities in a week-long residential program; cost is \$360 for food, lodging, and instruction. Two sessions to select from, July 24-30 or July 28-Aug. 3. For information, call Elderhostel, 624-7004.

The great key ring give-away continues

If you park evenings (after 4:30) in any of the following University parking facilities, be sure to ask for your free key ring/fob on Wednesday or Thursday, May 4 and 5. Attendants will be distributing them to parkers while supplies last.

East Bank

- Fourth Street S.E. lots 33, C-51, C-55
- Fourth Street S.E. Ramp

West Bank

- Lots 93, 94 (19th and 4th Streets S.)
- Lot C-88 (behind the Law Building)
- West Bank Ramp

The key ring/fob includes helpful phone numbers for the University security escort service, the motorist assistance program, and CEE catalogs and information. Sponsored by CEE, University Police, and Parking Services.

Advising in cyberspace

Advising for CEE students is now available via internet. The CEE Counseling department is offering e-mail advising for all current and prospective students in Extension Classes or Independent Study with internet access.

Simply address and send your advising questions to the e-mail address below. An academic adviser in CEE will

respond to your e-mail address. Or, if you would like some written information sent to you via "snail mail" (the regular postal system or intercampus mail system), provide your mailing address as well. Department of CEE Counseling e-mail address is:

CEEADV@maroon.tc.umn.edu

Minnesota and the arts 1890-1915

At the turn of the century, Minnesota established itself as an advocate of innovative art and design through several significant advances in architecture, painting, and decorative arts and crafts.

In a new noncredit Compleat Scholar course, **Minnesota 1900: Art and Life on the Upper Mississippi**, discover how the state created an artistic identity for itself from 1890 to 1915. Lecture and discussion is led by University faculty and Institute and Minnesota Historical Society staff; offered in conjunction with a Minneapolis Institute of Arts exhibit. Lectures include:

- Minnesota Architecture: Beaux Arts to Prairie School
- Painting in Minnesota: From the World's Fair to the World War
- The Minnesota Interior in America's Gilded Age
- Arts and Crafts for Everyone? The Myth of the Modern

- Unanswered Questions: Native Americans and EuroAmericans in Minnesota.

The class meets Thursday evenings, July 7 to Aug. 4 at the Minneapolis Institute of Arts. Call 624-8880 for registration information.



THE
COMPLEAT
SCHOLAR

Split Rock brings out the artist in you

"There are a million ways to be an artist," says Andy Gilats, program director for the Split Rock Arts Program. "Art is much more than simply painting or poetry."

Split Rock, an intensive residential program of week-long summer workshops in the arts, is proof, with everything from beadwork to writing available.

In fact, choice and change is what Split Rock encourages, Gilats says. "We have over 45 workshops scheduled for this summer, everything from the very traditional to very new and unique ways of doing art." About half the workshops are new this year, although several of those are new topics led by popular returning instructors.

Home for Split Rock is the University of Minnesota's Duluth campus, set in the hills overlooking the city and Lake Superior. Summers are comfortably warm and fresh, not hot and sticky, Gilats says. Of course, many participants choose to incorporate the nearby forest and shoreline settings into their art or writing.

Workshops offer affordable, first-rate learning, Gilats says. Tuition and fees range from \$326 to about \$400 for a week-long credit workshop (noncredit registration also is possible); graduate credit is available for most workshops. Housing is available in modern apartments and residence halls on the UMD campus starting at \$162 a week (double occupancy).

Sessions are led by nationally known artists, and the atmosphere is informal and nonthreatening, according to Gilats. "Everyone is considered an artist as well as a learner, so participants can learn from one another," she says.

"Because art is a personal experience, the learning is geared to the individual's wants and pace," she says. "People



SPLIT ROCK arts program

Duluth, Minnesota

seem to find what they need—you come to create, and you decide what that means." Participant experience ranges from novice to professional, but most consider themselves serious hobbyists or advanced amateurs.

"Participants tell us that the Split Rock experience is refreshing, stimulating, but still relaxing. For many people, this week is actually their vacation," Gilats says. They concentrate on something important to them and there are no disruptions or distractions—all the focus is on practicing creativity.

The Split Rock program combines the time, space, and structure for participants to create art, says Gilats, but the participants really create the community. "Everyone is there because they have an art they want to do, because they feel an affinity to the process, not just the result," she says.

All instructors are experienced practicing artists, writers, or craftspeople. "Our

instructors come from varied cultural backgrounds and each brings a unique personal approach to his or her art and teaching," says Gilats. "But they all have one thing in common—they're at Split Rock because they want to pass on a gift."

A sampling of titles and artists for summer 1994 include the following. Call 624-6800 for a descriptive catalog.

- Creativity Matters in Writing, Al Young
- Screenprinting, Allyn Bromley
- Weaver's Institute: Hand-Colored Threads and Complex Weaves (St. Paul campus), Bhakti Ziek
- Creating Visual Stories: A Photographer's Notebook, Harry Mattison
- Improvisational Beadworking, Joyce Scott
- Nature Photography Essay, Craig and Nadine Blacklock
- Watercolor, Cheng-Khee Chee
- Pueblo Pottery, Nora Naranjo-Morse
- Creating Fictional Characters, Myra Goldberg
- Creating Printed Fabrics, Jo Ann Giordano
- Creating Ritual Art, Ernest Whiteman
- Traditional Ojibwe Beadworking and Birch Bark Basketry, Garnet Mountain, and Josephine Ryan
- New Approaches to Fiber, Arturo Alonzo Sandoval
- Plus writing and poetry workshops featuring instructors such as Pauline Bates Alden, Phebe Hanson, Michael Dennis Browne, Toi Derricotte, Sharon Doublago, Carolyn Forché, Alexs Pate, Jane Resh Thomas, Carol Bly, Christina Baldwin, Kate Green, Sandra Benitez, Roberta Hill Whiteman, Marisha Chamberlain.



Andy Gilats

Registering for graduate credit

Please note these important policies and procedures that affect your enrollment in graduate-level courses.

- 8000-level courses are open only to students admitted to University of Minnesota Graduate School programs; students must pay the Graduate School tuition rate.
- Students registering for graduate credit in 5000-level courses pay either (1) the graduate tuition rate (for credits to be applied to degree programs at other institutions or in master's programs offered through a University college other than the Graduate School); or (2) the Graduate School tuition rate (for courses that are to be applied to a Graduate School program).
- Students transferring courses taken previously to a Graduate School program must pay the difference between the tuition paid and the Graduate School tuition rate. The tuition differential to be charged will be the difference between the rates in effect during the term the course was taken. In addition, there is a \$20 transaction fee that must be paid.
- Students admitted to degree programs who are classified as nonresident/non-reciprocity students must pay the appropriate nonresident tuition rate listed with the course (either nonresident graduate tuition or nonresident Graduate School tuition depending on what college they are admitted to).

University Archives
10 Watter Library
Minneapolis Campus
CAMPUS MAIL
(EC2)

Second class postage paid, Minneapolis, Minnesota

CareerQuest brings the U to you and your career plans in business

Join CEE advisers and University staff for "CareerQuest" information meetings which focus on educational programs in business and management through CEE at the University of Minnesota.

CareerQuest is a free, two-hour, evening seminar designed for working adults who want to learn more about undergraduate educational opportunities and career planning for their current employment or new careers they're interested in exploring.

You'll hear from CEE Counseling advisers, who specialize in helping adult and part-time students, about University programs that can lead to careers in business. These include the Bachelor of Science in Business (Carlson School), the new Bachelor of Applied Business degree (offered at Inver Hills Community College), degree programs in the College of Liberal Arts or other colleges, and CEE certificate programs. You'll learn about how students have combined work and going to school to advance their careers.

Advisers will describe business degree programs and course offerings that you can register for now if you're ready to get underway. If you need time for planning or some soul searching, you'll find out about program advising and career counseling services that the CEE Counseling Office can provide for you.

CareerQuest sessions will be held off campus at the sites below. Program begins at 6 p.m. (come a little early).

- **Monday, May 23, Richfield Community Center, 7001 Elliott Ave. S.**
- **Wednesday, June 8, Ramsey County Office—Minnesota Extension Service,**

2020 White Bear Ave (Ramsey County Fairgrounds site; adjacent to Aldrich Arena).

Space is limited and reservations are required. Call 624-1688.

CEE counseling office closed May 10-12

The advisers and counselors at the CEE Counseling department in 314 Nolte Center are continuing their educations, too.

The counseling office will be closed May 10-12 (T-W-Th) for



annual in-service training; advising staff will not be available.

If you need advising assistance, please phone 625-2500 (or e-mail CEEAdv@maroon.tc.umn.edu) before or after these dates.

News bulletin: new bulletins

Summer bulletins were mailed to Extension students about April 1. If you didn't receive a copy, call 624-2388 to request yours.

* * *

The **colorful cover art** for the summer bulletin was done by San Francisco artist Ron Chan, a free-lance illustrator who works almost exclusively on Macintosh in producing his art.

Chan has won several awards including those given annually by *Communication Arts* and *Print* magazines. His client list features both high-tech and consumer product companies, including Hewlett Packard, Apple Computers, Adobe Systems, Westinghouse, Bechtel, Chevron, Diner's Club, The Kennedy Center, Estée Lauder, Bristol Meyers, major personal computing magazines,

and several other newspapers and magazines.

Continuing Education and Extension is fortunate to have Chan under contract to produce several catalog covers in 1994-95.

* * *

Watch for the **1994-95 Extension Classes Bulletin** arriving in your mail box this summer. It is in production now and will be available in mid-July. You will receive a copy automatically if you have registered for a course in the last two years (fall 1992 or later) and notified us of any address changes over that period. If you do not receive a copy by July 20, call 624-2388 to request one. Registration for fall classes will begin August 1 (tentative date).

To correct your name or address on our lists, send the entire address panel and mailing label from your info to Extension Classes, University of Minnesota, 180 Westbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455. (Please allow two months for records to be corrected.)



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