

THE NEW WAY NEW AND NOTEWORTHY

WELCOME!

At the Division of Continuing Education our mission is to provide quality, innovative lifelong learning opportunities to a diverse student population by extending the educational resources of the University of Colorado at Boulder. Welcome to the Spring 2001 Continuing Education catalog!

This catalog describes credit and non-credit programs from personal enrichment courses to on-line, distance learning courses. Whether you are an existing CU student looking for an evening class, a business professional looking to advance your career, a stargazer who always wanted to take a college astronomy class, a non-traditional student looking to pursue a degree, or a real estate professional needing license renewal hours, let us help you find continuing solutions this spring.

The pages that follow contain program descriptions, course listings, registration information and campus resource information. Here are some helpful hints for using this catalog:

- ❖ www.colorado.edu/conted has the most up-to-date details
- ❖ Credit programs are listed in the front of the catalog
- ❖ Key policies, procedures and contact information are detailed on page 62
- ❖ Registration policies, including drop/add and payment/refund dates, differ by program—be sure to read the respective introduction page
- ❖ Parking and class building information is detailed on pages 60-61
- ❖ Tuition payment for Continuing Education courses is in addition to the main campus

For those of you who have participated in Continuing Education programs in the past, here are a few new & noteworthy updates on our programs and catalog:

CENTER FOR BUSINESS EDUCATION (CBE).

The CBE extends the resources of CU's College of Business to professional communities through executive and business education programs. Programs combine the College's best faculty and most relevant curricula with innovative and flexible class formats. See page 33 for more information.

COMPUTER LABS. We are using two new computer labs equipped with state-of-the-art computers and software and the latest technological toys and tools. One new lab is located in our offices at 1505 University Avenue and the other is in the Humanities building. These labs are in addition to those in the University Computing Center (UCC) and the University Management System (UMS) locations.

SCHOLARSHIPS. Some state and federal funds are available to qualified students enrolled in continuing education courses. For more information, call 303-492-5148.

NEW BOULDER EVENING CLASSES. Five new courses are available in the evenings this spring including; Introduction to Environmental Studies, Photography 2, American History and Film, Survey of Western Political Thought, and American Foreign Policy. Course descriptions begin on page 10.



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University of Colorado credit courses offered weekdays after 5 p.m. through the departments of communication, English, mathematics, psychology, sociology, Spanish, and more.

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Hands-on instruction from user-friendly instructors, to teach you the basics or take you to the power-user edge. Certificates in Computer Applications, Network Administration, Programming and Web Site Design available.

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CATALOG PRODUCTION

Catalog production is wholly self-sustaining and does not involve funds allocated by the legislature for the university at large. Recycled paper is used throughout the book. Share your catalog with friends, and recycle all appropriate materials. Thank you.



**FIVE WAYS TO
BEGINNING
SEE PAGE 62
DECEMBER 4
REGISTER**



BOULDER EVENING COURSES: CONTINUING SOLUTIONS FOR YOUR BUSY LIFE.

BOULDER EVENING CREDIT offers university courses that give you more options and more flexibility, to help you continue your education while juggling the demands of a busy life. To understand exactly how Evening Credit courses fit into your program of study, make an appointment to talk to an advisor.

Evening Credit courses provide solutions to help you:

- ❖ Begin your degree
- ❖ Complete your degree
- ❖ Fulfill core requirements
- ❖ Make a difficult schedule work better for you
- ❖ Pick up credits you've overlooked or postponed
- ❖ Try on the idea of going back to school
- ❖ Try on the idea of applying to CU

ELIGIBILITY: All you need is a high school diploma or GED. (Individuals on University of Colorado financial stops or academic suspension from the College of Engineering and Applied Science may not enroll.)

ACADEMIC ADVISING: An academic advisor is available to help you plan a degree program, decide on a major, or simply explore your options. Feel free to call 303-492-5145 for an appointment.

PRIVILEGES: As a Boulder Evening Credit student, total library services are available at no additional charge.

PASS/FAIL: Any Boulder Evening course taken for pass/fail is subject to restrictions established by your school or college.

TO DROP: To drop a credit course and ensure that you receive any tuition refund that may be due, come to the Division of Continuing Education and complete a drop voucher by the appropriate date. If you don't officially withdraw from a course, you may receive a grade of "F" for that course.

TUITION: Tuition is determined by residency status. Resident tuition is \$120 per credit hour. Some courses requiring special equipment or materials may be slightly higher. Non-residents of Colorado are assessed tuition based on the number of semester hours for which they register. Non-residents may register for up to three (3) semester hours at the rate of \$220 per credit hour. Nonresidents registering for four (4) or more semester hours of Boulder Evening credit courses will be assessed a significantly higher rate that is comparable to the regular campus, non-resident rate. The Division will charge our in-state rate for Boulder Evening when a

non-resident, degree student pays full-time, out of state tuition through the Boulder campus and then enrolls for additional Boulder Evening courses.

RESIDENCY: If you have lived in Colorado for the past 12 months, you may be eligible for in-state tuition rates although you may be asked for documentation. Please see the calendar on page 4 for deadline dates to petition for in-state classification.

UNDER 23? If you're not 23 years old by the first day of classes, you are assumed to have the same legal residence as your parents. If your parents live out of state, you may petition the University of Colorado for resident status as an emancipated minor. If you believe your initial classification is incorrect, talk to the Classification Coordinator at 303-492-5148.

STUDENT FEES: Boulder Evening students have the option of paying student fees for use of campus facilities (RTD bus pass, Recreation Center, Wardenburg Health Center, and other student services). Information on cost and paying student fees may be obtained by calling 303-492-5148.

FINANCIAL AID: Degree students may qualify for all financial aid programs if eligible. Nondegree students taking courses for credit may qualify for a Stafford Loan (formerly GSL) if eligible. Applications are available in the Office of Financial Aid, Environmental Design building, Room 2, 303-492-4518.

VETERAN BENEFITS: As an eligible veteran or veteran dependent, you may enroll in evening classes and apply credit toward a degree. If you have questions about your eligibility and benefits contact Veterans Services in the Office of Financial Aid, Environmental Design building, Room 2, 303-492-7322.

TO ENROLL: We encourage you to register in advance of the first class by CU Connect, the web, mail, FAX, or in person at the Division of Continuing Education, 1505 University Avenue.

SPECIAL FACULTY-STAFF REGISTRATION: Faculty and staff of the University of Colorado at Boulder may enroll in Boulder Evening courses at half the regular tuition on a space available basis. Please bring proof of appointment (showing at least half-time employment) to registration. See page 4 for registration dates.

SURVIVAL TIP: Boulder Evening tuition is assessed in addition to any tuition paid on campus (resident or nonresident).

Culturally, David Steiner defies stereotypes: here is a decorated war hero teaching two popular courses in speech and theatre, a man who is equally familiar with the cockpit of a C-130 or C-141 and the history of Broadway. (His PhD dissertation chronicled Broadway's depiction of the American military from the end of WWI to the start of WWII.) Dr. Steiner teaches Public Speaking (Comm 1300-3) and Intro to the Theatre (Theatre 1009-3) for the Evening Credit program. And everything you need to know about him can be found at <http://stripe.colorado.edu/~steinerd/Home.html>, an entertaining site that includes course outlines, student evaluation scores and extra credit questions you can answer by e-mail. Dr. Steiner, a retired Lt. Colonel and Master Navigator with 11 Air Medals, the Distinguished Flying Cross and numerous other honors, served 25 years as a Reserve Air Force officer on extended active duty, logging 6,200 hrs. of flight time. He has also logged an impressive number of classroom hours. Teaching venues over the past 42 years have included conventional classrooms, Air Force training centers for ground and flight instruction and flight examination, and the California Prison System. Dr. Steiner's courses are challenging, engaging and rewarding learning opportunities for students who come prepared to get involved. Public Speaking students make real strides in their ability to think and speak on their feet, while Theatre students are plunged into the history, architecture, literature, technology and culture of drama—and, to keep it real, they attend a number of campus productions. Dr. Steiner teaches because he loves it and "it's fun." As a teacher, he respects individual student needs. He says, "I recognize that each student and each class is unique—and I think my students appreciate that."

BOULDER EVENING ACADEMIC CALENDAR SPRING 2001

DECEMBER 4	Boulder Evening registration through CU Connect or the web begins 7 a.m. - midnight. Registration is also available by mail, fax, or in person at the Division of Continuing Education, 1505 University, 8 a.m.-5 p.m. Monday through Friday.
JANUARY 15	Martin Luther King, Jr. Holiday. Division offices closed.
JANUARY 22	Full Term and Session I classes begin. Faculty/Staff registration for Full Term and Session I classes. 50% discount. Proof of appointment required.
JANUARY 24	Deadline to petition for in-state classification for Session I classes.
JANUARY 26	5 p.m. deadline to register for Session I classes, add your name to a wait list, request pass/fail status or drop with a 100% refund. Withdrawals from Session I classes after this date will appear as a "W" on student's academic record and must be received in writing.
JANUARY 29	Instructor's signature required to drop Session I classes.*
JANUARY 31	Deadline to petition for in-state classification for Full Term classes.
FEBRUARY 2	5 p.m. deadline to register for Full Term classes, add your name to a wait list, request pass/fail status, or drop with a 100% refund. Withdrawals from Full Term classes after this date will appear as a "W" on student's academic record and must be received in writing.
FEBRUARY 5	Instructor's signature required to drop Full Term classes.*
FEBRUARY 12	Petition required to drop Session I classes.
MARCH 5	Petition required to drop Full Term classes.
MARCH 7-8	Session I classes end.
MARCH 12	Session II classes begin. Faculty/Staff registration for Session II. 50% discount. Proof of appointment required.
MARCH 14	Deadline to petition for in-state classification for Session II classes.
MARCH 16	5 p.m. deadline to register for Session II classes, add your name to a wait list, request pass/fail status, or drop with a 100% refund. Withdrawals after this date will appear as a "W" on student's academic record and must be received in writing.
MARCH 19	Instructor's signature required to drop Session II classes.*
MARCH 26-30	Spring Break. NO CLASSES.
MARCH 30	UNIVERSITY CLOSED.
APRIL 9	Petition required to drop Session II classes.
APRIL 30-MAY 4	Full Term and Session II classes end.

**This signature indicates you were doing passing work when you dropped the course.*

REFUND SCHEDULE FOR BOULDER EVENING CLASSES

FULL TERM	SESSION I	SESSION II
100% through 5 p.m. February 2*	100% through 5 p.m. January 26*	100% through 5 p.m. March 16*
60% February 5 through 5 p.m. February 16	60% January 29 through 5 p.m. February 2	60% March 19 through 5 p.m. March 29
40% February 19 through 5 p.m. March 2	40% February 5 through 5 p.m. February 9	40% April 2 through 5 p.m. April 6
NONE THEREAFTER	NONE THEREAFTER	NONE THEREAFTER

**All refund requests received after this deadline must be in writing.*

REGISTER USING CU CONNECT OR THE WEB

IN ADDITION TO REGISTERING by mail, fax (303-492-3962), or in person (1505 University Avenue), Boulder Evening students are eligible to register using CU Connect (the telephone registration system) or the Web. To be eligible to use either CU Connect or the Web, students must have a current Continuing Education term record and have no academic or financial stops which could prevent them from registering. To set up a term record, return the registration form on page 63. You will be sent an Invitation to Register through the mail verifying your eligibility along with your Personal Identification Number (PIN). Please remember to keep your PIN confidential. Use of CU Connect or the Web obligates you for any tuition charges as a result of adding any course.

CU Connect and the Web are normally available Monday through Friday 7 a.m. to midnight and Sundays from 11 a.m. to midnight. They are **not** available on Saturdays or on December 25 and January 1.

Limited hours: December 24, 11 a.m. to 5 p.m., and December 31, 11 a.m. to 5 p.m.

WEB REGISTRATION

Eligible Boulder Evening students can register on the Web by accessing the CU home page at www.colorado.edu and choosing Personal Lookup Services or going directly to www.colorado.edu/plus and selecting the "Registration" button. You will then need to enter your student ID number and personal identification number (PIN). Then choose Continuing Education and follow the instructions on the web page from there to add or drop and request pass/fail or no credit. You will need to enter the 5 digit course call numbers to register for courses and click on the "submit" button to process each course request. To verify your course selections, click on the "Schedule" tab at the bottom of the page. When you're finished,

be sure to either exit web registration or make a credit card payment by clicking the "next step" tab at the bottom.

- ❖ Click account balance
- ❖ Choose Continuing Education for credit and click submit.
- ❖ Choose credit card payment and follow the instructions from there, filling out required address information (address and zip must be filled in). If you would like an e-mail receipt, complete the required e-mail section.

You can also conduct online course searches via web registration. The web registration course search tool allows you to search by subject, level, course number, core requirements, and by meeting time. The course search is updated on a real-time basis, so if you need a course you would like to sign up for, you immediately know whether there is still room in the course.

CU CONNECT REGISTRATION

Call CU Connect, 303-938-8110, from any touch-tone phone to register. Use the confirmed registration function codes listed below.

- ❖ the Boulder-campus code 1
- ❖ the Continuing Education code 1
- ❖ the registration application code 1
- ❖ the term code 011
- ❖ your University student number _____ - _____ - _____
- ❖ your personal identification number (PIN) _____

Fill out the information below completely. When prompted, enter the courses you've listed below. Press the star (*) or pound (#) keys as indicated. Whenever you press the # key, wait for the computer voice to respond before proceeding with the next entry. For more time between entries, press #.

ADD CODE	COURSE CALL NUMBER	Department Abbreviation	Course Number	Credit Hours	Enrolled Waitlisted?
2 *	_____	# _____	_____	_____	_____
2 *	_____	# _____	_____	_____	_____
2 *	_____	# _____	_____	_____	_____
2 *	_____	# _____	_____	_____	_____
2 *	_____	# _____	_____	_____	_____

OTHER CU CONNECT FUNCTIONS

- To **add** a course, press 2*, the course call number, then #
- To **drop** a course, press 3*, the course call number, then #
- To request a course for **no credit**, press *1 between the course call number and #
- To request a course for **pass/fail**, press *2 between the course call number and #
- To **list** your courses, **verify** your schedule, or check your **wait list** position, press 5#
- To **search** for open sections, press 7#
- To place your name on a **wait list**, press 9#
- To **cancel** an entry, press *# before you have completed the transaction
- To **exit** the registration application, press 8# then 1 to access the student billing application for your **account balance and/or credit card payment options**; or press 2 to **end** the call.



CU CONNECT/WEB REGISTRATION INFORMATION-continued**VERIFYING AND ADJUSTING YOUR SCHEDULE**

Once you have registered, it is important that you verify your schedule either through CU Connect or the Web. Your schedule can be adjusted through the dates listed on the calendar on page 4.

WAIT LISTS

Placing your name on a wait list does not guarantee that you will be enrolled in that course. Enrollment is determined by the total number of spaces and the demand for each particular course. Spaces may or may not become available at a future time.

You can check your position on any course wait list either on the Web at www.colorado.edu/plus or by calling CU Connect and pressing 5# (list schedule function).

If you choose to wait list for a Boulder Evening course and a space becomes available, you will automatically be enrolled in the course and additional tuition and fees will be assessed. We, therefore, encourage you to check your wait list position often to avoid paying additional tuition and fees and receiving an "F" for the course.

ACCOUNT BALANCES

The amount of tuition you owe is available both through CU Connect and the Web. Credit card payments, using VISA, MasterCard or Discover, can be made on CU Connect and the Web. You can also call our accounting office at 303-492-2212 to make a credit card payment, fax your credit card information to 303-492-3962, or visit our office at 1505 University Avenue.

COURSE RESTRICTIONS

Some Boulder Evening courses have prerequisites and enrollment restrictions. It is your responsibility to ensure that you have met the listed prerequisites and/or restrictions. If you are unsure, please call 303-492-5145 and make an appointment with our academic advisor.

GRADES

To access your grades through the Web, log on to www.colorado.edu/plus, enter your student ID number and PIN, and choose the grades option. To access your grades through CU Connect call 303-938-8110 from any touch tone phone, press 1 for the Boulder campus, 1 for Continuing Education, 2 for the grade code function and enter the term code (011 for spring) followed by your student number and PIN. To determine the term code for previous semesters, the first two digits are the year and the last digit the semester (1=Spring, 4=Summer, 7=Fall).

ADDITIONAL WEB FUNCTIONS

With your student identification number and PIN, in addition to registering, you are also able to find the following:

- ❖ degree program information (primary and secondary college, major, residency, gpa, and class standing)
- ❖ registration status (advising requirements and academic or financial stops)
- ❖ class schedule for all current and past terms enrolled and all future terms for which you have registered
- ❖ current semester billing and financial aid information
- ❖ address changes
- ❖ PIN changes
- ❖ degree audit (for certain colleges)

PROBLEMS? QUESTIONS?

If you have any type of registration stop, you will not be allowed to enroll via CU Connect or the Web. Please call our registration office at 303-492-5148 for more information on your stop.

If you have a Continuing Education term record for spring and no registration stop, please call 303-492-5148 between 8:30 a.m. and 5 p.m. Monday-Friday for further assistance. After hours, please call 303-492-5145 for a recorded message.



COURSES BY STARTING DATE, SPRING 2001**FULL TERM COURSES****Courses On Mondays****Courses begin January 22 and end April 30**

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
ANTH 2020-3	300	30011	6:30-9:30 p.m.	Introduction to Physical Anthropology 2	natural science
ASTR 1120-3	300	30013	7-10 p.m.	General Astronomy: Stars and Galaxies	natural science
ECON 1078-3	300	30019	6-9 p.m.	Mathematical Tools for Economists 1	quantitative reasoning and mathematical skills
ENGL 1191-3	301	30024	6-9 p.m.	Introduction to Creative Writing	none
ENGL 1600-3	300	30026	6-9 p.m.	Masterpieces of American Literature	literature and the arts
FILM 4005-3	300	30035	6:30-9:30 p.m.	Screenwriting Workshop	none
HIST 2866-3	300	30049	6:30-9:30 p.m.	American History and Film	United States context
PSYC 2606-3	300	30064	6:30-9:30 p.m.	Social Psychology	contemporary societies
SOCY 1006-3	300	30071	6-9 p.m.	The Social Construction of Sexuality	cultural and gender diversity

Courses On Mondays and Wednesdays**Courses begin January 22 and end May 2**

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
ARAB 1010-5	300	30012	5:30-8 p.m.	Beginning Arabic 1	foreign language
FINE 1212-3	300	30038	6:30-9:30 p.m.	Painting 1	none
FINE 2191-3	300	30082	6:30-9:30 p.m.	Photography 2	none
MATH 1011-3	300	30056	5:30-7 p.m.	Fundamentals and Techniques of College Algebra	quantitative reasoning and mathematical skills
SPAN 1020-5	301	30076	6:30-9 p.m.	Beginning Spanish 2	foreign language
UWRP 3020-3	301	30080	5:30-7 p.m.	Topics in Writing: Writing about Theatre and Drama	written communication
UWRP 3020-3	303	30089	6:30-8 p.m.	Topics in Writing: Native American Topics	written communication

Course On Mondays, Wednesdays, and Fridays**Course begins January 22 and ends May 4**

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
HEBR 1020-5	300	30044	11 a.m.-1 p.m.	Beginning Hebrew 2	foreign language

Courses On Tuesdays**Courses begin January 23 and end May 1**

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
COMM 2400-3	300	30018	6:30-9:30 p.m.	Communication and Society	contemporary societies
EMUS 2862-3	300	30022	5:30-8:30 p.m.	American Film Musical, 1926-1954	literature and the arts
ENGL 3000-3	300	30028	6-9 p.m.	Shakespeare for Nonmajors	literature and the arts
EPOB 1220-3	300	30032	6:30-9:30 p.m.	General Biology 2	natural science
HIST 1010-3	300	30045	6:30-9:30 p.m.	Western Civilization 1: From Antiquity to the 16th Century	historical context
MGMT 3030-3	300	30057	6:30-9:30 p.m.	Critical Leadership Skills	none
PSCI 1101-3	300	30060	6-9 p.m.	The American Political System	contemporary societies or United States context
PSCI 2223-3	300	30084	6-9 p.m.	Introduction to International Relations	contemporary societies
QRMS 1010-3	300	30066	6-9 p.m.	Quantitative Reasoning and Mathematical Skills	quantitative reasoning and mathematical skills
RLST 2700-3	300	30067	6-9 p.m.	American Indian Religious Traditions	ideals and values or cultural and gender diversity
SPAN 2120-3	300	30078	6-9 p.m.	Second-Year Spanish 2	foreign language

BOULDER EVENING CREDIT CLASSES

Courses On Tuesdays and Thursdays

Courses begin January 23 and end May 3

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
BCOR 2000-4	300	30014	6:30-8:30 p.m.	Accounting and Financial Analysis 1	College of Business Core
ENGL 1191-3	302	30085	5:30-7 p.m.	Introduction to Creative Writing	none
FINE 1012-3	300	30036	6:30-9:30 p.m.	Drawing 1	none
FINE 1171-3	300	30037	6:30-9:30 p.m.	Photography 1	none
HIST 1020-3	300	30047	5-6:30 p.m.	Western Civilization 2: 16th Century to the Present	historical context
SLHS 2305-4	300	30068	6-8 p.m.	American Sign Language 1	foreign language
SPAN 1010-5	300	30075	5:30-8 p.m.	Beginning Spanish 1	foreign language
SPAN 1020-5	302	30077	6:30-9 p.m.	Beginning Spanish 2	foreign language
UWRP 3020-3	302	30081	5:30-7 p.m.	Topics in Writing: Environmental Issues	written communication

Courses On Wednesdays

Courses begin January 24 and end May 2

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
BCOR 2010-3	300	30015	6-9 p.m.	Business Statistics	College of Business Core
ECON 2010-4	300	30020	6-9 p.m.	Principles of Microeconomics	contemporary societies
ENGL 3060-3	300	30030	6-9 p.m.	Modern and Contemporary Literature	literature and the arts
ENGL 3677-3	300	30031	6-9 p.m.	Jewish-American Fiction and Old World Backgrounds	cultural and gender diversity
ENVS 1000-3	300	30088	6:30-9:30 p.m.	Introduction to Environmental Studies	none
FILM 3501-3	300	30033	7-10 p.m.	Film Production Management	none
HIST 3317-3	300	30050	6:30-9:30 p.m.	Seminar in the American West	critical thinking
JOUR 4453-3	300	30053	7-10 p.m.	Advertising and Society	none
PHIL 1100-3	300	30058	6:30-9:30 p.m.	Ethics	ideals and values
PSYC 1001-3	300	30063	6:30-9:30 p.m.	General Psychology	none
THTR 1009-3	300	30079	6-9 p.m.	Introduction to Theatre	literature and the arts

Courses On Thursdays

Courses begin January 25 and end May 3

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
COMM 1300-3	300	30016	6:30-9:30 p.m.	Public Speaking	none
ECON 2020-4	300	30021	6-9 p.m.	Principles of Macroeconomics	contemporary societies
FINE 1409-3	300	30039	6:30-9:30 p.m.	History of World Art 2	literature and the arts
HIST 1123-3	300	30048	6:30-9:30 p.m.	The History of England, 1660 to Present	historical context
KAPH 3420-3	300	30055	6-9 p.m.	Nutrition, Health and Performance	natural science
PHIL 1200-3	300	30059	5:30-8:30 p.m.	Philosophy and Society	United States context or ideals and values
PSCI 2004-3	300	30061	6-9 p.m.	Survey of Western Political Thought	ideals and values
PSCI 3163-3	300	30087	6-9 p.m.	American Foreign Policy	United States context
PSYC 4303-3	300	30065	6:30-9:30 p.m.	Abnormal Psychology	none
SOCY 4024-3	300	30074	6-9 p.m.	Juvenile Delinquency	contemporary societies



REGISTER BY MAIL USING THE POSTAGE PAID ENVELOPE

BOULDER EVENING CREDIT CLASSES

SESSION I

Courses On Mondays and Wednesdays

Courses begin January 22 and end March 7

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
ENGL 1500-3	100	30027	6-9 p.m.	Masterpieces of British Literature	literature and the arts
GEOG 1982-3	100	30042	6-9 p.m.	World Regional Geography	none
HIST 1015-3	100	30046	5:30-8:30 p.m.	History of the United States to 1865	United States context
KAPH 3420-3	100	30054	6-9 p.m.	Nutrition, Health and Performance	natural science
PSCI 4734-3	100	30062	6-9 p.m.	Politics and Literature	critical thinking

Courses On Tuesdays and Thursdays

Courses begin January 23 and end March 8

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
FILM 3563-3	100	30034	7-10 p.m.	Producing the Feature Film	none
GEOG 1001-4	100	30040	6-9 p.m.	Environmental Systems 1 - Climate and Vegetation	natural science
JOUR 1002-3	100	30052	6-9 p.m.	Critical Thinking and Writing	none
SOCY 1004-3	100	30069	6-9 p.m.	Deviance in U.S. Society	ideals and values
SOCY 1015-3	100	30072	6-9 p.m.	U.S. Race and Ethnic Relations	United States context

SESSION II

Courses On Mondays and Wednesdays

Courses begin March 12 and end May 2

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
COMM 2400-3	200	30086	6:30-9:30 p.m.	Communication and Society	contemporary societies
ENGL 1260-3	200	30025	6-9 p.m.	Introduction to Women's Literature	cultural and gender diversity
ENGL 3000-3	200	30029	5:30-8:30 p.m.	Shakespeare for Nonmajors	literature and the arts
GEOG 1992-3	200	30043	6-9 p.m.	Human Geographies	none
HIST 1025-3	200	30083	5:30-8:30 p.m.	History of the United States since 1865	United States context
SOCY 1005-3	200	30070	6-9 p.m.	Social Conflict and Social Values	contemporary societies or ideals and values

Courses On Tuesdays and Thursdays

Courses begin March 13 and end May 3

Course No. & Hours	Sec	Call No.	Times	Course Title	Core
COMM 1300-3	200	30017	6-9 p.m.	Public Speaking	none
GEOG 1011-4	200	30041	6-9 p.m.	Environmental Systems 2 - Landscapes and Water	natural science
JOUR 1001-3	200	30051	6-9 p.m.	Contemporary Mass Media	none
SOCY 3151-3	200	30073	6-9 p.m.	Self in Modern Society	United States context or ideals and values

SURVIVAL TIPS

TUITION CHARGES for credit courses offered by the Division of Continuing Education are determined by **PROGRAM** and by the **RESIDENCY** status of the student.

RESIDENTS OF COLORADO are assessed tuition based on the price per semester hour and the number of semester hours for which they register. Tuition is based on the cost cited in the most recent program publication.

NON-RESIDENTS OF COLORADO are assessed tuition based on the price per semester hour and the number of semester hours for which

they register. Non-residents may register for up to three (3) semester hours at the non-resident reduced rate cited in the most recent program publication. Non-residents registering for four (4) or more semester hours of credit courses offered by the Division of Continuing Education, regardless of program, are assessed non-resident tuition for all courses at the rate established by the Board of Regents for that term or session.

The Board of Regents reserves the right to change tuition without prior notice.

All tuition and refund determinations are subject to audit.

REGISTER IN PERSON 1505 UNIVERSITY AVENUE

ANTHROPOLOGY**Introduction to Physical Anthropology 2
ANTH 2020****3 semester hours**

Continuation of ANTH 2010. Emphasizes quantitative analysis, genetics, and race. Students may not receive credit for both ANTH 2020 and 2060. Prereq., ANTH 2010. Approved for arts and sciences core curriculum: natural science.

Sue Woods, Ph.D.

Full Term - Section 300: Call No. 30011 Mondays, 6:30-9:30 p.m. Hale 260. \$360 (resident).

ARABIC**Beginning Arabic 1
ARAB 1010****5 semester hours**

This is the first semester of the first year of Arabic and includes beginning grammar and conversation. The next offering of this course is tentatively scheduled for Fall 2002. Approved for arts and sciences core curriculum: foreign language.

Nadia Turk, Ph.D.

Full Term - Section 300: Call No. 30012 Mondays and Wednesdays, 5:30-8 p.m. Hellems 271. \$620 (resident).

ASTRONOMY**General Astronomy: Stars and Galaxies
ASTR 1120****3 semester hours**

Principles of modern astronomy for nonscience majors, summarizing our present knowledge about the Sun, stars, neutron stars, black holes, interstellar gas, galaxies, quasars, and the structure and origins of the universe. ASTR 1110 and 1120 can be taken in either order. There will be opportunities to attend nighttime sessions at Sommers-Bausch Observatory. Some sessions will be at the Fiske Planetarium. Approved for arts and sciences core curriculum: natural science.

Joe Romig, Ph.D.

Full Term - Section 300: Call No. 30013 Mondays, 7-10 p.m. Hale 270. \$360 (resident).

BIOLOGY**General Biology 2
EPOB 1220****3 semester hours**

Introduces organisms, homeostasis, development, behavior, and ecology. Recommended for science majors who are not EPOB majors. Similar to EPOB 2060 and 2660. Prereq., EPOB 1210 or equivalent. Approved for arts and sciences core curriculum: natural science.

Beth Bennett, Ph.D.

Full Term - Section 300: Call No. 30032 Tuesdays, 6:30-9:30 p.m. Muenzinger E0046. \$360 (resident).

BUSINESS CORE**Accounting and Financial Analysis 1
BCOR 2000****4 semester hours**

Builds a basic understanding of how information regarding a firm's resources and obligations is conveyed to decision makers both outside and within the firm. Focuses on the form and content of corporate financial statements. Students learn the principles of revenue and expense recognition as well as the basic accounting for assets, liabilities, and equities. In addition, introduces accounting and financial statement analysis for decision makers. This course is a core requirement for all Business majors. Prereq., sophomore standing.

Dov Fischer, C.P.A.

Full Term - Section 300: Call No. 30014 Tuesdays and Thursdays, 6:30-8:30 p.m. Business 211. \$480 (resident).

**Business Statistics
BCOR 2010****3 semester hours**

Covers descriptive statistics, basic probability theory, statistical inference, correlation and regression analysis, and time series analysis. Uses statistical features of commonly used business spreadsheet software. Students use this software to solve problems using real business data. This course is a core requirement for all Business majors. Prereq., MATH 1050, 1060, 1070, or calculus and BCOR 1000.

Instructor TBA

Full Term - Section 300: Call No. 30015 Wednesdays, 6-9 p.m. Business 353. \$360 (resident).

COMMUNICATION**Public Speaking
COMM 1300****3 semester hours**

Covers theory and skills of speaking in various public settings. Treats fundamental principles from rhetorical and communication theory and applies them to oral presentations.

Joel Guenther, M.A.

Full Term - Section 300: Call No. 30016 Thursdays, 6:30-9:30 p.m. Humanities 1B70. \$360 (resident).

David Steiner, Ph.D.

Session II - Section 200: Call No. 30017 Tuesdays and Thursdays, 6-9 p.m. McKenna 112. \$360 (resident).



Sherry Baker is taking Frank Iannella's Screenwriting class and says it's really been great. "I love writing. I have always been interested in movies—the visual and the written aspects. I had taken a class earlier and had to drop out because of a family illness. So I just decided to dive back into it." The idea of a semester-length, for-credit class doesn't phase her, she's already earned two degrees. She says, "It's a big step in terms of committing to the time but it's been great and I'm really enjoying it."

**Communication and Society
COMM 2400****3 semester hours**

Seeks to increase students' awareness of the ways in which gender, dialect (ethnic, regional and social class), and cultural background influence communication behavior and its consequences. Deepens understanding of communication as a social process, making students more sophisticated observers and participants in their own and other cultures. Approved for arts and sciences core curriculum: contemporary societies.

Joel Guenther, M.A.

Full Term - Section 300: Call No. 30018 Tuesdays, 6:30-9:30 p.m. Humanities 1B90. \$360 (resident).

Session II - Section 200: Call No. 30086 Mondays and Wednesdays, 6:30-9:30 p.m. Muenzinger E064. \$360 (resident).

ECONOMICS**Mathematical Tools for Economists 1
ECON 1078****3 semester hours**

Teaches mathematical skills and logical thinking for use in economics. Course is open to all majors. Topics include algebra, graphs, functions, and probability. Includes many "real-world" examples, such as investments, supply and demand, maximizing profits, and minimizing costs. Approved for arts and sciences core curriculum: quantitative reasoning and mathematical skills.

William Mertens, Ph.D.

Full Term - Section 300: Call No. 30019 Mondays, 6-9 p.m. Economics 119. \$360 (resident).

**Principles of Microeconomics
ECON 2010****4 semester hours**

Examines basic concepts of microeconomics, or the behavior and interactions of individuals, firms, and government. Topics include determining economic problems, how consumers and businesses make decisions, how markets work and how they fail, and how government actions affect markets. This section requires World Wide Web access for the online recitation. Students may not receive credit for ECON 2010 and 2011 or 1000 or 1001. Approved for arts and sciences core curriculum: contemporary societies.

William Mertens, Ph.D.

Full Term - Section 300: Call No. 30020 Wednesdays, 6-9 p.m. Economics 2. \$480 (resident).

**Principles of Macroeconomics
ECON 2020****4 semester hours**

Provides an overview of the economy, examining the flows of resources and outputs and the factors determining the levels of income and prices. Explores policy problems of inflation, unemployment, and economic growth. This section requires World Wide Web access for the online recitation. May be taken before ECON 2010. Students may not receive credit for ECON 2020 and 2021 or 1000 or 1001. Approved for arts and sciences core curriculum: contemporary societies.

Rachael Small, M.B.A.

Full Term - Section 300: Call No. 30021 Thursdays, 6-9 p.m. Economics 119. \$480 (resident).

ENGLISH**Introduction to Creative Writing
ENGL 1191****3 semester hours**

Introduces techniques of fiction and poetry. Student work is scrutinized by the instructor and discussed in a workshop atmosphere by other students. May not be taken concurrently with ENGL 2021 or 2051. Not open to graduate students. May not be repeated.

George Moore, Ph.D.

Full Term - Section 301: Call No. 30024 Mondays, 6-9 p.m. Hellems 229. \$360 (resident).

Naomi Rachel, M.A.

Full Term - Section 302: Call No. 30085 Tuesdays and Thursdays, 5:30-7 p.m. Hellems 271. \$360 (resident).

**Introduction to Women's Literature
ENGL 1260****3 semester hours**

Introduces literature by women in England and America. Covers both poetry and fiction and varying historical periods. Acquaints students with the contribution of women writers to the English literary tradition and investigates the nature of this contribution. Same as WMST 1260. Approved for arts and sciences core curriculum: cultural and gender diversity.

Patricia Thompson, M.A.

Session II - Section 200: Call No. 30025 Mondays and Wednesdays, 6-9 p.m. Hellems 267. \$360 (resident).

**Masterpieces of British Literature
ENGL 1500****3 semester hours**

Introduces students to a range of major works of British literature, including at least one play by Shakespeare, a pre-twentieth-century English novel, and works by Chaucer and/or Milton. Approved for arts and sciences core curriculum: literature and the arts.

Patricia Thompson, M.A.

Session I - Section 100: Call No. 30027 Mondays and Wednesdays, 6-9 p.m. Hellems 267. \$360 (resident).

Additional writing courses are available through the Personal Enrichment program, page 32.



ENGLISH-cont.**Masterpieces of American Literature
ENGL 1600****3 semester hours**

Enhances student understanding of the American literary and artistic heritage through an intensive study of a few centrally significant texts, emphasizing works written before the twentieth century. Approved for arts and sciences core curriculum: literature and the arts.

Joel Daehnke, Ph.D.

Full Term - Section 300: Call No. 30026 Mondays, 6-9 p.m. Ketchum 118. \$360 (resident).

**Shakespeare for Nonmajors
ENGL 3000****3 semester hours**

Introduces students to Shakespeare's major works—the histories, comedies, and tragedies. May include nondramatic poetry as well. Prereq., sophomore standing. Approved for arts and sciences core curriculum: literature and the arts.

George Moore, Ph.D.

Full Term - Section 300: Call No. 30028 Tuesdays, 6-9 p.m. Economics 117. \$360 (resident).

Pamela Hadas, Ph.D.

Session II - Section 200: Call No. 30029 Mondays and Wednesdays, 5:30-8:30 p.m. Economics 117. \$360 (resident).

**Modern and Contemporary Literature
ENGL 3060****3 semester hours**

Close study of significant twentieth-century poetry, drama and prose works. Readings range from 1920s to the present. Prereq., sophomore standing. Approved for arts and sciences core curriculum: literature and the arts.

George Moore, Ph.D.

Full Term - Section 300: Call No. 30030 Wednesdays, 6-9 p.m. Hellem 229. \$360 (resident).

**Jewish-American Fiction and Old World Backgrounds
ENGL 3677****3 semester hours**

Explores cross-cultural transitions, influences, and ethnicity in the social and literary history of Europe and America through Jewish experience, expressed in the works of such writers as Heine, Sholom Aleichem, Peretz, Babel, Singer, Malamud, Roth, and Woody Allen. Prereq., sophomore standing. Approved for arts and sciences core curriculum: cultural and gender diversity.

Joel Salzberg, Ph.D.

Full Term - Section 300: Call No. 30031 Wednesdays, 6-9 p.m. Hellem 137. \$360 (resident).

ENVIRONMENTAL STUDIES**Introduction to Environmental Studies
ENVS 1000****3 semester hours**

Surveys environmental studies, examining ecological, socioeconomic, political, aesthetic, and technological factors that influence the quality of life on Earth. Required for ENVS majors.

Eric Stone, Ph.D.

Full Term - Section 300: Call No. 30888 Wednesdays, 6:30-9:30 p.m. Benson Earth Sciences 185. \$360 (resident).

FILM STUDIES**Producing the Feature Film
FILM 3563****3 semester hours**

Designed to give students a behind-the-scenes look at the way production in the entertainment industry is structured and works, this course emphasizes the critical role the script plays in the production process. Students analyze story structure and components and production values of various feature scripts. The course will also focus on the roles, functions, and relationships of writer, producer, director, and editor; the budget process; and all phases in the production process. Screenings in conjunction with script analysis will be featured. This course is designed to lead students into FILM 3501 which has a more hands-on approach to production.

Frank Iannella, M.A.

Session I - Section 100: Call No. 30034 Tuesdays and Thursdays, 7-10 p.m. Guggenheim 205. \$360 (resident).

**Film Production Management
FILM 3501****3 semester hours**

This course familiarizes students with the principles of film management techniques as well as problem-solving methodologies developed specifically for the film industry. Emphasis will be placed on the technique of production boarding as the central tool in production management as well as budget and contracts information. The course is designed for students interested in media production as a career. FILM 3501 or 3563 may be used for partial fulfillment of major requirements.

Frank Iannella, M.A.

Full Term - Section 300: Call No. 30033 Wednesdays, 7-10 p.m. Guggenheim 205. \$360 (resident).

**Screenwriting Workshop
FILM 4005****3 semester hours**

Offers a creative workshop in which students write and rewrite several short screenplays as well as a treatment for a feature-length script. Examples from produced scripts are closely analyzed, with careful attention to aesthetics, mechanics, and business practices. May be repeated for a total of 6 credit hours.

Frank Iannella, M.A.

Full Term - Section 300: Call No. 30035 Mondays, 6:30-9:30 p.m. Humanities 180. \$360 (resident).



FINE ARTS**Drawing 1
FINE 1012****3 semester hours**

Introductory course including pictorial design, life drawing, still life, and landscape, using varied drawing techniques and media. Recommended for BFA majors instead of FINE 1002. May not be repeated.

Susanna Podboy, M.F.A.

Full Term - Section 300: Call No. 30036 Tuesdays and Thursdays, 6:30-9:30 p.m. Fine Arts N298. \$370 (resident).

**Photography 1
FINE 1171****3 semester hours**

This course introduces techniques and concepts of photography as art and emphasizes photography as a means to formal and expressive ends. Students will master the technical aspects of black and white photography including the functions of the SLR camera, the enlarger, and the chemical process of developing and printing black and white negatives. Students must have full access to a working 35mm manual camera with a built in working light meter. For fine arts majors. May not be repeated.

Greg Massey, M.F.A.

Full Term - Section 300: Call No. 30037 Tuesdays and Thursdays, 6:30-9:30 p.m. Fine Arts N187. \$420 (resident).

**Painting 1
FINE 1212****3 semester hours**

This course will study the craft as well as the art of traditional oil painting as a student in Rembrandt's workshop would have, from conception, through studies in ink and red chalk, to the final work of art. Through the analysis of the works of both old and contemporary masters, students will investigate the technical aspects of visual language - color harmony, color temperature, light flow and eye movement. May not be repeated. Recommended for BFA majors instead of FINE 1202.

Joshua Fallik

Full Term - Section 300: Call No. 30038 Mondays and Wednesdays, 6:30-9:30 p.m. Fine Arts N103 \$370 (resident).

Additional
fine arts
courses are
available
through the
Personal
Enrichment
program,
pages 29-30.

History of World Art 2**FINE 1409****3 semester hours**

A basic survey of major art styles from the Paleolithic period through the Renaissance, including European, Asian, Islamic, the American, and tribal arts. Emphasizes comparison of Western and non-Western visual expressions as evidence of differing cultural orientations.

Students may not receive credit for both FINE 1409 and FINE 1209. Approved for arts and sciences core curriculum: literature and the arts.

Instructor TBA

Full Term - Section 300: Call No. 30039 Thursdays, 6:30-9:30 p.m. Humanities 125. \$360 (resident).

**Photography 2
FINE 2191****3 semester hours**

Explores more sophisticated technical and conceptual skills to the creative process. Students must have full access to a working 35mm manual camera with a built in working light meter. May be repeated once. Prereq., FINE 1161 or 1171.

Greg Massey, M.F.A.

Full Term - Section 300: Call No. 30082 Mondays and Wednesdays, 6:30-9:30 p.m. Fine Arts N185. \$420 (resident).

GEOGRAPHY**Environmental Systems 1 - Climate and Vegetation****GEOG 1001****4 semester hours**

Introduces the atmospheric environment of the Earth: elements and controls of climate and their implications for hydrology, vegetation, and soils. Emphasizes distribution of physical features across the Earth's surface and interactions between humans and their environment, especially those leading to global change on the decade to century time scale. Approved for arts and sciences core curriculum: natural science.

Steve Welter, Ph.D.

Session I - Section 100: Call No. 30040 Tuesdays and Thursdays, 6-9 p.m. Benson Earth Sciences 185. \$480 (resident).

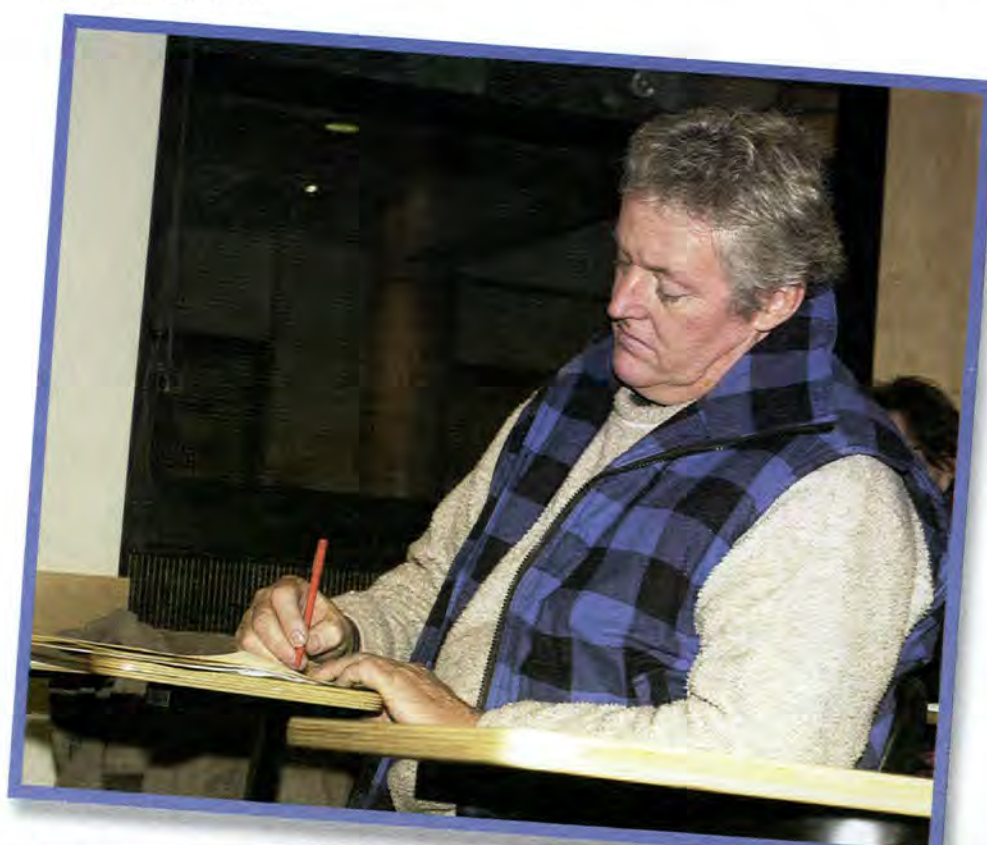
Environmental Systems 2 - Landscapes and Water**GEOG 1011****4 semester hours**

Introduces landscapes and flowing water, emphasizing the formation and geographic distribution of mountains, volcanoes, valleys, and deserts, and their shaping by rivers and glaciers. Includes field trips. Approved for arts and sciences core curriculum: natural science.

Steve Welter, Ph.D.

Session II - Section 200: Call No. 30041 Tuesdays and Thursdays, 6-9 p.m. Benson Earth Sciences 185. \$480 (resident).

Thomas Mathieson says that Frank Iannella's Screenwriting class is succinct and wonderful. And he particularly likes the text, which is all about how not to write a screenplay—how to avoid the classic pitfalls. Thomas has been developing ideas and pieces in journal form for years and made the decision more recently to commit his life to writing. This class is part of that process.



The History of England, 1660 to Present
HIST 1123**3 semester hours**

Deals with the period from the seventeenth century to the present. Political, economic, social, and imperial developments that contributed to creation of the modern industrial and democratic state are the major issues covered. Approved for arts and sciences core curriculum: historical context.

Jean McGinnis, Ph.D.

Full Term - Section 300: Call No. 30048

Thursdays, 6:30-9:30 p.m. Engineering Center CR 139. \$360 (resident).

American History and Film**HIST 2866****3 semester hours**

Teaches students to "read" films as historical documents, with an emphasis on the 20th century. Focuses on selected moments in U.S. history, studying the historical background and viewing and critiquing relevant films. Does not fulfill major requirements. Approved for arts and sciences core curriculum: United States context.

James Fell, Ph.D.

Full Term - Section 300: Call No. 30049 Mondays, 6:30-9:30 p.m. Humanities 125. \$360 (resident).

Seminar in the American West**HIST 3317****3 semester hours**

Examines the conflict between the popular perceptions of the American West and the reality of the region. In this course, students will develop critical thinking and writing skills as they discuss the "mythology" surrounding the West. Along with enhancing their knowledge and understanding of the region, students will explore the impact of the American West on the development of the nation. Approved for arts and sciences core curriculum: critical thinking.

James Fell, Ph.D.

Full Term - Section 300: Call No. 30050

Wednesdays, 6:30-9:30 p.m. Humanities 125. \$360 (resident).

JOURNALISM**Contemporary Mass Media****JOUR 1001****3 semester hours**

Examines the mass media's interaction with society and looks at journalism and the mass media in historical, intellectual, economic, political, and social contexts.

Jan Whitt, Ph.D.

Session II - Section 200: Call No. 30051 Tuesdays and Thursdays, 6-9 p.m. Economics 205. \$360 (resident).

Critical Thinking and Writing**JOUR 1002****3 semester hours**

This course reviews grammatical and organizational principles, experiments with several rhetorical modes, summarizes and analyzes media texts, and teaches techniques for writing and editing clearly and effectively. Topics will include the use of library resources and computer databases to conduct basic research. Students study personal writing, informative writing, persuasive writing, and promotional writing. This course is required for students seeking admission to the School of Journalism and Mass Communication.

Jan Whitt, Ph.D.

Session I - Section 100: Call No. 30052 Tuesdays and Thursdays, 6-9 p.m. Economics 205. \$360 (resident).

Advertising and Society**JOUR 4453****3 semester hours**

This course will examine the criticisms and contributions of advertising in society and the economy.

Richard Goode-Allen, M.A.

Full Term - Section 300: Call No. 30053 Wednesdays, 7-10 p.m. Humanities 1B90. \$360 (resident).

KINESIOLOGY AND APPLIED PHYSIOLOGY**Nutrition, Health and Performance****KAPH 3420****3 semester hours**

Highlights basic principles of nutrition and their relationship to health. Students may not receive credit for both KAPH 3420 and PSYC 2062.

Prereq., junior standing (pre-nursing students are exempt). Approved for arts and sciences core curriculum: natural science.

Nanci Grayson, M.S., R.D., C.D.

Full Term - Section 300: Call No. 30055

Thursdays, 6-9 p.m. Clare Small 207. \$360 (resident).

Luke Seaward, Ph.D.

Session I - Section 100: Call No. 30054 Mondays and Wednesdays, 6-9 p.m. Clare Small 301. \$360 (resident).

Andrew Kreps is a returning student who says he's been out of the academic loop for a long time. Screenwriting seems like a challenging way to ease back to the books but Andrew says "I'm a musician and I've been writing for a long time—I'm not afraid of the challenge, I love it. It's great."



MANAGEMENT**Critical Leadership Skills
MGMT 3030
3 semester hours**

Provides an opportunity to learn about and practice the skills required of all managers. These skills include leadership, negotiation, conducting performance appraisals, delegation, effective communication, interviewing and making hiring decisions, and managing employees with problem behaviors. Objectives of the course include developing self-awareness of strengths and weaknesses as a manager, gaining familiarity with theory-based skills, and developing proficiency in the use of these skills. Emphasizes experiential learning through group work, role-plays, and case analysis. Prereq., BCOR 2150.

Patrick Vann, Ph.D.

Full Term - Section 300: Call No. 30057 Tuesdays, 6:30-9:30 p.m. Muenzinger E113. \$360 (resident).

MATHEMATICS**Fundamentals and Techniques of
College Algebra
MATH 1011
3 semester hours**

Covers simplifying algebraic expressions, factoring linear and quadratic equations, inequalities, exponentials, logarithms, functions and graphs, complex numbers, and binomial theorem. Students may not receive credit for both MATH 1011 and 1000/1020. Prereq., one year of high school algebra or placement exam score for MATH 1000. Approved for arts and sciences core curriculum: quantitative reasoning and mathematical skills.

Bernard Gillett, M.A.

Full Term - Section 300: Call No. 30056 Mondays and Wednesdays, 5:30-7 p.m. Engineering Center CR 155. \$360 (resident).

MUSIC**American Film Musical, 1926-1954
EMUS 2862
3 semester hours**

This course examines the development of filmed musicals from the beginning of sound movies through the "Golden Age of Musicals." Primary emphasis is placed on analysis and relationships of characters, songs, and incidental music used. Approved for arts and sciences core curriculum: literature and the arts.

Kevin McCarthy, Ph.D.

Full Term - Section 300: Call No. 30022 Tuesdays, 5:30-8:30 p.m. Humanities 125. \$360 (resident).

PHILOSOPHY**Ethics
PHIL 1100
3 semester hours**

Introductory study of major philosophies on the nature of the good for humanity, principles of evaluation, and moral choice as they apply to contemporary moral problems. Approved for arts and sciences core curriculum: ideals and values.

Lee Speer, M.A.

Full Term - Section 300: Call No. 30058 Wednesdays, 6:30-9:30 p.m. Economics 119. \$360 (resident).

**Philosophy and Society
PHIL 1200
3 semester hours**

Introduces philosophical thought through critical analysis of our own society, its institutions, and principles. Approved for arts and sciences core curriculum: United States context or ideals and values.

David Youkey, Ph.D.

Full Term - Section 300: Call No. 30059 Thursdays, 5:30-8:30 p.m. Economics 13. \$360 (resident).

POLITICAL SCIENCE**The American Political System
PSCI 1101
3 semester hours**

Emphasizes interrelations among levels and branches of government, formal and informal institutions, processes, and behavior. Approved for arts and sciences core curriculum: contemporary societies or United States context.

Vincent McGuire, Ph.D.

Full Term - Section 300: Call No. 30060 Tuesdays, 6-9 p.m. Ketchum 301. \$360 (resident).

**Survey of Western Political Thought
PSCI 2004
3 semester hours**

Studies main political philosophies and political issues of Western culture, from antiquity to 20th century. Approved for arts and sciences core curriculum: ideals and values.

Vincent McGuire, Ph.D.

Full Term - Section 300: Call No. 30061 Thursdays, 6-9 p.m. Ketchum 301. \$360 (resident).

Music lessons
are available
through the
Applied Music
program,
page 23.



Introduction to International Relations
PSCI 2223
3 semester hours

Introduces the field of international relations, with general survey of the theories, histories, and problems of historical and contemporary relations among state and nonstate actors. Approved for arts and sciences core curriculum: contemporary societies.

J. Collins Ross, M.A.

Full Term - Section 300: Call No. 30084 Tuesdays, 6-9 p.m. Stadium 140. \$360 (resident).

American Foreign Policy
PSCI 3163
3 semester hours

Examines foundations, assumptions, objectives, dynamics and methods of U.S. foreign policy since WWII. Gives special attention to domestic and external problems of adapting U.S. policy to the changing world environment. Prereq., PSCI 2223. Approved for arts and sciences core curriculum: United States context.

J. Collins Ross, M.A.

Full Term - Section 300: Call No. 30087 Thursdays, 6-9 p.m. Education 143. \$360 (resident).

Politics and Literature
PSCI 4734
3 semester hours

Broadly examines political topics as they are presented in important literary works and analyzes the possibilities involved in using the literary mode to present political teachings. Prereq., junior or senior standing. Approved for arts and sciences core curriculum: critical thinking.

Loren Weinberg, Ph.D.

Session I - Section 100: Call No. 30062 Mondays and Wednesdays, 6-9 p.m. Ketchum 303. \$360 (resident).

PSYCHOLOGY

General Psychology
PSYC 1001
3 semester hours

Surveys major topics in psychology: perception, development, personality, learning and memory, and biological bases of behavior.

Michael Freedman, Ph.D.

Full Term - Section 300: Call No. 30063 Wednesdays, 6:30-9:30 p.m. Hellems 141. \$360 (resident).

Social Psychology
PSYC 2606
3 semester hours

Covers general psychological principles underlying social behavior. Analyzes major social psychological theories, methods, and topics, including attitudes, conformity, aggression, attraction, social perception, helping behavior, and group relations. Prereq., PSYC 1001. Similar to PSYC 4406; students may not receive credit for both 2606 and 4406. Approved for arts and sciences core curriculum: contemporary societies. Patrick Vann, Ph.D.

Full Term - Section 300: Call No. 30064 Mondays, 6:30-9:30 p.m. Muenzinger E113. \$360 (resident).

Abnormal Psychology
PSYC 4303
3 semester hours

Examines borderline disorders as extreme variations of the normal personality. Focuses on major functional and organic disorders, theories of mental disorders, and methods of psychotherapy. Not open for credit to those who have credit for PSYC 3313 or 4313. Prereq., PSYC 1001.

Patrick Vann, Ph.D.

Full Term - Section 300: Call No. 30065 Thursdays, 6:30-9:30 p.m. Muenzinger E113. \$360 (resident).

QUANTITATIVE REASONING AND MATHEMATICAL SKILLS

Quantitative Reasoning and Mathematical Skills
QRMS 1010
3 semester hours

Promotes mathematical literacy among liberal arts students. Teaches basic mathematics, logic, and problem solving skills in the context of higher level mathematics, science, technology, and/or society. QRMS is not a traditional math class, but is designed to stimulate interest in and appreciation of mathematics and quantitative reasoning as valuable tools for comprehending the world in which we live. Same as MATH 1012. Approved for arts and sciences core curriculum: quantitative reasoning and mathematical skills. Craig McBride, B.S.

Full Term - Section 300: Call No. 30066 Tuesdays, 6-9 p.m. Engineering Center CR 151. \$360 (resident).

Frank Iannella teaches Screenwriting (FILM 4005-3) with an optional two-semester format, enabling interested students to complete a full feature-length screenplay. A Fellow of the American Film Institute in Los Angeles, he has solid industry credentials including experience as a story editor for Hickmar Productions at Burbank Studios and for Blue Chip Productions in London. He still keeps a hand in, through consulting and work for Jazz Alley, the Aspen Jazz Festival and a few corporate clients. He says his class has always attracted serious, interested students including (small world that it is) a handful of people with Hollywood connections.



RELIGIOUS STUDIES**American Indian Religious Traditions****RLST 2700****3 semester hours**

Introduces religions of the peoples indigenous to the Americas. Concerns include ritual, mythology, and symbolism occurring throughout these many cultures in such areas as art, architecture, cosmology, shamanism, sustenance modes, trade, and history. Approved for arts and sciences core curriculum: ideals and values or cultural and gender diversity.

Instructor TBA

Full Term - Section 300: Call No. 30067 Tuesdays, 6-9 p.m. Hellems 267. \$360 (resident).

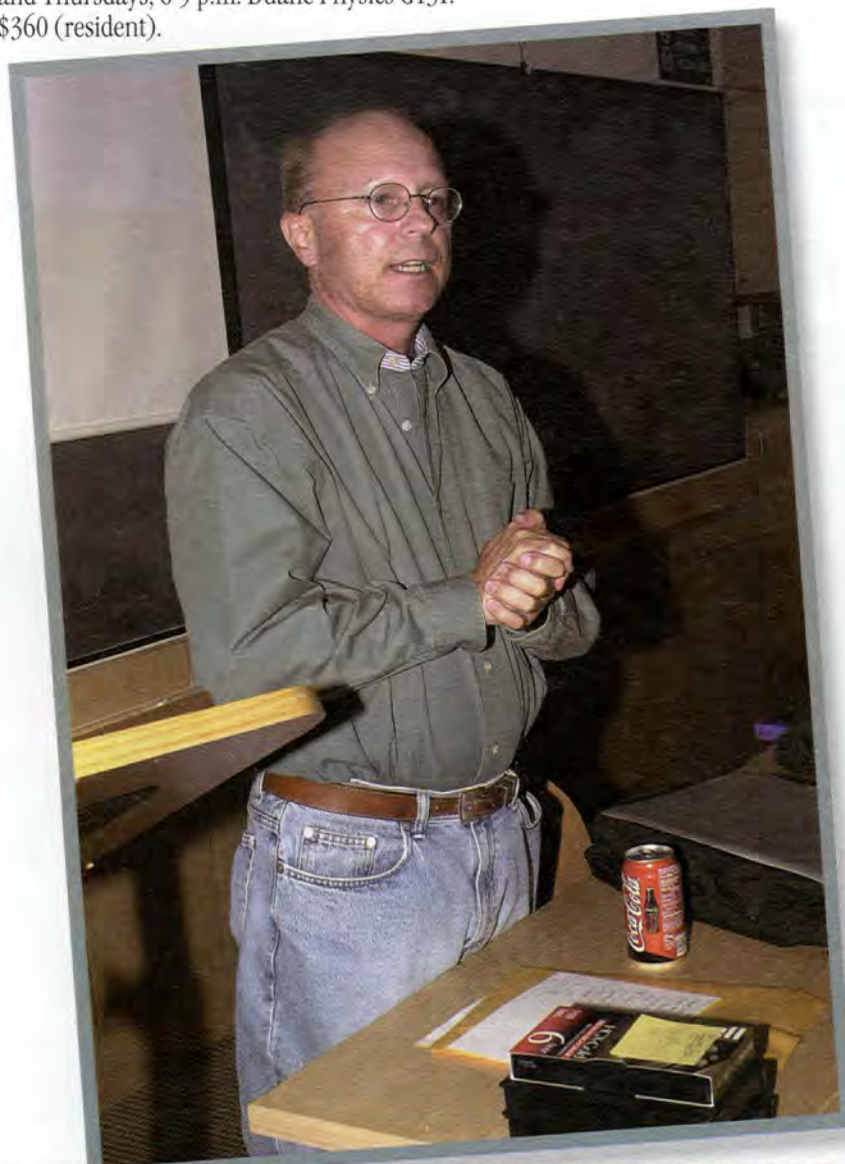
SOCIOLOGY**Deviance in U.S. Society****SOCY 1004****3 semester hours**

Examines deviant groups in the U.S., emphasizing existing theory and research about such issues as deviant careers, deviant lifestyles and behavior, and processes of social control.

Approved for arts and sciences core curriculum: ideals and values.

Instructor TBA

Session I - Section 100: Call No. 30069 Tuesdays and Thursdays, 6-9 p.m. Duane Physics G131. \$360 (resident).



Monte Merrick is a working Hollywood screenwriter (and CU alum) whose credits include *Memphis Belle* and other major releases, and a number of network miniseries including *The Miracle Worker*, a project in the works for CBS. Frank Iannella likes to use guest speakers whenever possible in his Screenwriting class, to give students a real-world glimpse into the realities of the business.

Social Conflict and Social Values**SOCY 1005****3 semester hours**

Explores origin, escalation, and resolution of social conflict. Focuses on major conflict theories, human values and social action, and use of simulation and negotiation exercises for learning conflict management skills. Approved for arts and sciences core curriculum: contemporary societies or ideals and values.

Instructor TBA

Session II - Section 200: Call No. 30070 Mondays and Wednesdays, 6-9 p.m. Ketchum 303. \$360 (resident).

The Social Construction of Sexuality**SOCY 1006****3 semester hours**

Discusses current perspectives on the social determinants of sexuality. Emphasizes sociological critique, and analyzes the interfacing of societal, psychological, and cultural influences.

Interactional perspective of human sexuality is presented. Same as WMST 1006. Approved for arts and sciences core curriculum: cultural and gender diversity.

Instructor TBA

Full Term - Section 300: Call No. 30071 Mondays, 6-9 p.m. Muenzinger E0046. \$360 (resident).

U.S. Race and Ethnic Relations**SOCY 1015****3 semester hours**

Examines race and minority problems in U.S. society, including psychological, social, and cultural sources of prejudice and discrimination. Same as ETHN 1015. Approved for arts and sciences core curriculum: United States context.

Duncan Rinehart, Ph.D.

Session I - Section 100: Call No. 30072 Tuesdays and Thursdays, 6-9 p.m. Muenzinger E123. \$360 (resident).

Self in Modern Society**SOCY 3151****3 semester hours**

Using a variety of eastern and western perspectives, explores how modern social institutions and culture shape our personal experiences, how personal experiences can affect the nature of those institutions and culture, and how strategies can be developed for achieving balance between the individual and society. Approved for arts and sciences core curriculum: United States context or ideals and values.

Duncan Rinehart, Ph.D.

Session II - Section 200: Call No. 30073 Tuesdays and Thursdays, 6-9 p.m. Hellems 199. \$360 (resident).

Juvenile Delinquency**SOCY 4024****3 semester hours**

Examines the history, incidence, and prevalence of delinquent behavior, as well as theoretical explanations regarding why children become involved in criminal activity. Approved for arts and sciences core curriculum: contemporary societies.

Herbert Covey, Ph.D.

Full Term - Section 300: Call No. 30074 Thursdays, 6-9 p.m. Humanities 135. \$360 (resident).



SPANISH**Beginning Spanish 1
SPAN 1010****5 semester hours**

Offers students a firm command of Spanish grammar. Grammar is used as a point of departure for development of oral skills. Reading and writing are stressed to a lesser degree.

Attendance at the language laboratory may be mandatory. Similar to SPAN 1150. Approved for arts and sciences core curriculum: foreign language.

Isabel Rodriguez, M.A.

Full Term - Section 300: Call No. 30075 Tuesdays and Thursdays, 5:30-8 p.m. Hellems 141. \$620 (resident).

**Beginning Spanish 2
SPAN 1020****5 semester hours**

This course is the second semester of beginning Spanish and is a continuation of SPAN 1010.

Attendance at language laboratory may be mandatory. Prereq., SPAN 1010 or placement. Approved for arts and sciences core curriculum: foreign language.

Javier Garces, B.A.

Full Term - Section 301: Call No. 30076 Mondays and Wednesdays, 6:30-9 p.m. Hellems 185. \$620 (resident).

Cassandra Gerber, M.A.

Full Term - Section 302: Call No. 30077 Tuesdays and Thursdays, 6:30-9 p.m. Hellems 193. \$620 (resident).

**Second-Year Spanish 2
SPAN 2120****3 semester hours**

Grammar review. Emphasizes reading, writing, and speaking skills. Attendance at the language laboratory may be mandatory. Prereq., SPAN 2110 with a grade of C- or better, or placement. Approved for arts and sciences core curriculum: foreign language.

Javier Garces, B.A.

Full Term - Section 300: Call No. 30078 Tuesdays, 6-9 p.m. Hellems 255. \$380 (resident).

**SPEECH, LANGUAGE AND
HEARING SCIENCES****American Sign Language 1
SLHS 2305****4 semester hours**

Introduces basic sign vocabulary, grammatical structures of ASL, and the culture of deaf people. Classes are taught using ASL without the use of spoken English. Approved for arts and sciences core curriculum: foreign language.

Instructor TBA

Full Term - Section 300: Call No. 30068 Tuesdays and Thursdays, 6-8 p.m. Hellems 247. \$500 (resident).

THEATRE**Introduction to Theatre
THTR 1009****3 semester hours**

Introduces the varieties of theatrical art, past and present, contributions of the various theatrical artists to the total production, and the place of theatre art in today's society. Readings, lectures, and attendance at University theatre productions. Designed for nonmajors. Approved for arts and sciences core curriculum: literature and the arts.

David Steiner, Ph.D.

Full Term - Section 300: Call No. 30079 Wednesdays, 6-9 p.m. Humanities 135. \$360 (resident).

**UNIVERSITY WRITING
PROGRAM****Topics in Writing
UWRP 3020****3 semester hours**

Each instructor assigns two or more readings on a given topic. Students choose an essay, abstract its argument, analyze it, and agree or disagree with the author. They thus learn the principal modes of academic rhetoric: description, analysis and argument. Approved for arts and sciences core curriculum: written communication.

Writing about Theatre and Drama

Suzanne Hudson, M.A.

Full Term - Section 301: Call No. 30080 Mondays and Wednesdays, 5:30-7 p.m. Clare Small 209. \$360 (resident).

Environmental Issues

Anne Bliss, Ph.D.

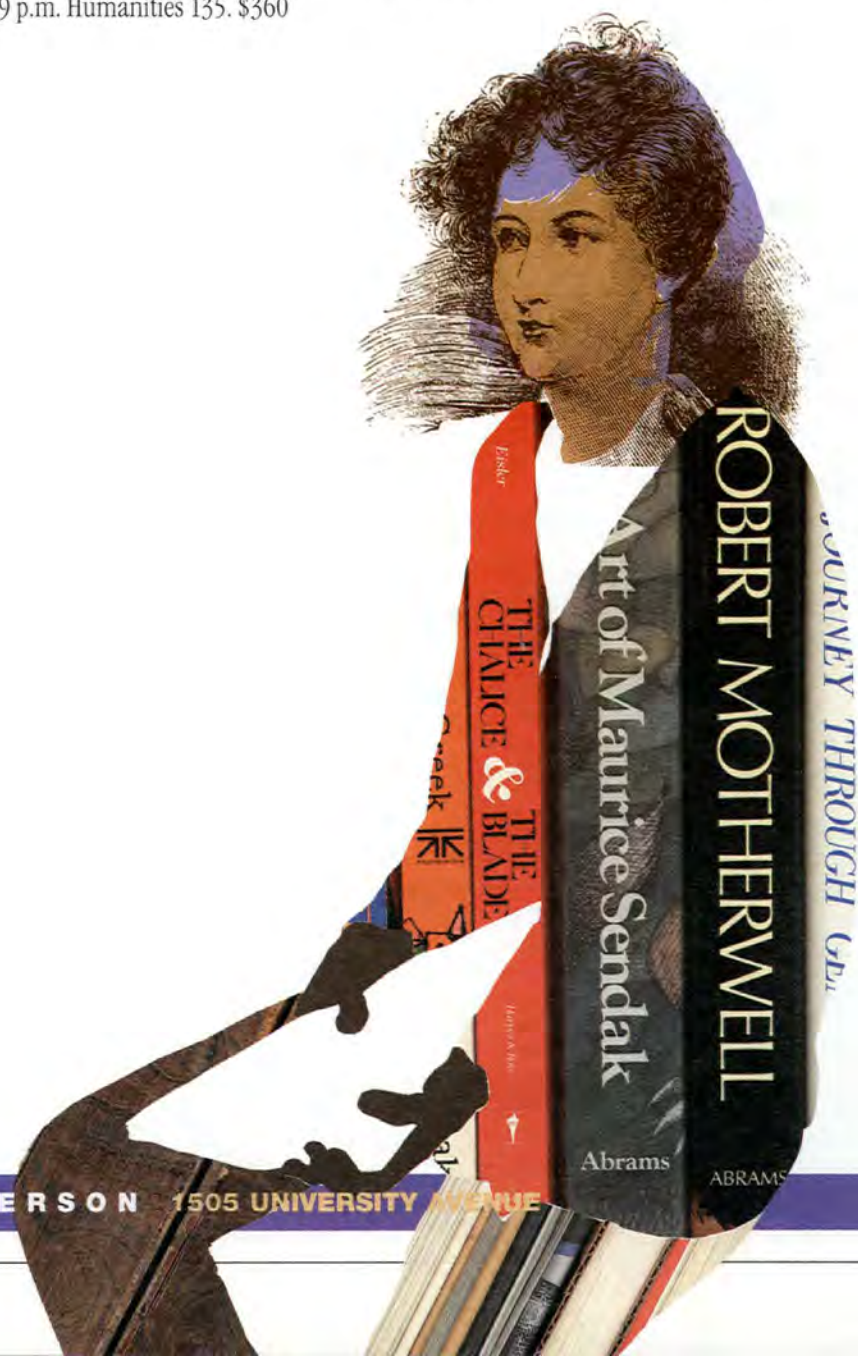
Full Term - Section 302: Call No. 30081 Tuesdays and Thursdays, 5:30-7 p.m. Clare Small 209. \$360 (resident).

Native American Topics

Catherine Kunce, Ph.D.

Full Term - Section 303: Call No. 30089 Mondays and Wednesdays, 6:30-8 p.m. Hale 236. \$360 (resident).

Conversational
language
courses are
available
through the
Personal
Enrichment
program,
pages 30-31



INDEPENDENT LEARNING – IT’S UP TO YOU.

INDEPENDENT LEARNING courses put you in control, with choices to make about when you learn and how you learn. Many of our courses are correspondence courses, with a printed study guide and student-instructor communication by US Postal Service (and increasingly, by e-mail). Some of our courses also have an online version, and growing numbers of our courses are delivered entirely via the World Wide Web, with all communication with the instructor and among fellow students conducted on the Internet.

- ❖ Self-paced courses are open for registration at any time.
- ❖ Term-based courses provide rich interaction among students.
- ❖ Learn wherever you are.

So, it's up to you to challenge yourself and to decide how you want to take a course. Complete course descriptions are available from Independent Learning Programs or on the World Wide Web-
www.Colorado.EDU/cewww.

SECTION LEGEND

65x = print based correspondence course

64x = online, self-paced course

58x = online, term-based course

ANTHROPOLOGY

ANTH 1030 3	.....Principles of Anthropology 1 Section 650	.....Tuition: \$270
ANTH 1040 3	.....Principles of Anthropology 2 Section 650	.....Tuition: \$270
ANTH 2010 3	.....Introduction to Physical Anthropology 1 Section 650	.....Tuition: \$270
ANTH 2020 3	.....Introduction to Physical Anthropology 2 Section 650	.....Tuition: \$270
ANTH 2070 3	.....Bones, Bodies, and Disease Section 640	.....Tuition: \$330
ANTH 2200 3	.....Introduction to Archaeology Section 650	.....Tuition: \$270

COMMUNICATION

COMM 2400 3	.....Communication and Society Section 640	.....Tuition: \$330
COMM 2400 3	.....Communication and Society Section 650	.....Tuition: \$330
COMM 4600 3	.....Senior Seminar: Computer-Mediated Communication in Organizations Section 640	.....Tuition: \$330

COMPUTER SCIENCE

CSCI 2830 1	.....Special Topics: Social, Ethical, and Professional Issues in Computer Science Section 640	.....Tuition: \$110
CSCI 2830 1	.....Special Topics: Social, Ethical, and Professional Issues in Computer Science Section 650	.....Tuition: \$110

ECONOMICS

ECON 2010 4	.....Principles of Microeconomics Section 640	.....Tuition: \$440
ECON 2010 4	.....Principles of Microeconomics Section 650	.....Tuition: \$440
ECON 2020 4	.....Principles of Macroeconomics Section 640	.....Tuition: \$440
ECON 2020 4	.....Principles of Macroeconomics Section 650	.....Tuition: \$440
ECON 3403 3	.....International Economics and Policy Section 640	.....Tuition: \$330
ECON 4111 3	.....Money and Banking Systems Section 640	.....Tuition: \$330

EDUCATION

EDUC 4161 3	.....Children's Literature Section 650	.....Tuition: \$270
EDUC 4322 3	.....Literature for Middle School and Secondary School Teachers Section 650	.....Tuition: \$270

ENGLISH

ENGL 1191 3	.....Introduction to Creative Writing Section 650	Tuition: \$270
ENGL 1260 3	.....Introduction to Women's Literature Section 650	Tuition: \$270
ENGL 1600 3	.....Masterpieces of American Literature Section 650	Tuition: \$270
ENGL 2021 3	.....Introductory Poetry Workshop Section 650	Tuition: \$270
ENGL 3000 3	.....Shakespeare for Nonmajors Section 650	Tuition: \$270
ENGL 3051 3	.....Intermediate Fiction Workshop Section 640	Tuition: \$330
ENGL 3051 3	.....Intermediate Fiction Workshop Section 650	Tuition: \$330
ENGL 3060 3	.....Modern and Contemporary Literature Section 650	Tuition: \$270
ENGL 3081 3	.....Intermediate Nonfiction Workshop: Travel Journal Writing Section 650	Tuition: \$270
ENGL 3553 3	.....Chaucer: The Canterbury Tales Section 650	Tuition: \$270
ENGL 3563 3	.....Shakespeare 1 Section 650	Tuition: \$270
ENGL 3573 3	.....Shakespeare 2 Section 650	Tuition: \$270
ENGL 3655 3	.....American Literature to 1860 Section 640	Tuition: \$330
ENGL 3655 3	.....American Literature to 1860 Section 650	Tuition: \$330
ENGL 3665 3	.....American Literature after 1860 Section 640	Tuition: \$330
ENGL 3665 3	.....American Literature after 1860 Section 650	Tuition: \$330
ENGL 4100 3	.....The English Language Section 650	Tuition: \$270

FINE ARTS

FINE 1012 3	.....Basic Drawing Section 650	Tuition: \$270
FINE 3636 3	.....Art for the Elementary Teacher Section 650	Tuition: \$270

GEOGRAPHY

GEOG 1001 4	.....Environmental Systems 1: Climate and Vegetation Section 650	Tuition: \$360
GEOG 1011 4	.....Environmental Systems 2: Landscapes and Water Section 650	Tuition: \$360
GEOG 1992 3	.....Human Geographies Section 640	Tuition: \$330

GEOLOGY

GEOL 1010 3	.....Introduction to Geology 1 Section 640	Tuition: \$330
GEOL 1010 3	.....Introduction to Geology 1 Section 650	Tuition: \$330
GEOL 1020 3	.....Introduction to Geology 2 Section 650	Tuition: \$270

HISTORY

HIST 1010 3	.....Western Civilization 1 - Antiquity to the 16th Century Section 640	Tuition: \$330
HIST 1010 3	.....Western Civilization 1 - Antiquity to the 16th Century Section 650	Tuition: \$330
HIST 1015 3	.....History of the United States to 1865 Section 650	Tuition: \$270
HIST 1020 3	.....Western Civilization 2 - 16th Century to the Present Section 640	Tuition: \$330
HIST 1020 3	.....Western Civilization 2 - 16th Century to the Present Section 650	Tuition: \$330
HIST 1025 3	.....History of the United States since 1865 Section 650	Tuition: \$270
HIST 2117 3	.....History of Colorado Section 640	Tuition: \$330
HIST 2117 3	.....History of Colorado Section 650	Tuition: \$330
HIST 4217 3	.....The American West in the Nineteenth Century Section 650	Tuition: \$270
HIST 4227 3	.....The American West in the Twentieth Century Section 650	Tuition: \$270
HIST 4733 3	.....The Russian Revolution and the Soviet Regime Section 640	Tuition: \$330

JOURNALISM

JOUR 3771 3Mass Communication History Section 640	Tuition: \$330
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KINESIOLOGY AND APPLIED PHYSIOLOGY

KAPH 3420 3Nutrition, Health, and Performance Section 640Tuition: \$330
KAPH 3420 3	.....Nutrition, Health, and Performance Section 650	.....Tuition: \$330

MATHEMATICS

MATH 1011 3	.....Fundamentals and Techniques of College Algebra Section 650	.....Tuition: \$270
MATH 1021 2	.....Numerical and Analytical College Trigonometry Section 650	.....Tuition: \$180
MATH 1071 3	.....Finite Mathematics for Social Science and Business Section 650	.....Tuition: \$270
MATH 1081 3	.....Calculus for Social Science and Business Section 650	.....Tuition: \$270
MATH 1300 5	.....Analytic Geometry and Calculus 1 Section 650	.....Tuition: \$450
MATH 2300 5Analytic Geometry and Calculus 2 Section 650Tuition: \$450

MUSIC

EMUS 1081 3Basic Music Theory Section 650Tuition: \$270
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PHILOSOPHY

PHIL 1000 3Introduction to Philosophy Section 650Tuition: \$270
PHIL 1100 3	.....Ethics Section 650	.....Tuition: \$270
PHIL 1600 3	.....Philosophy and Religion Section 650	.....Tuition: \$270
PHIL 4040 3	.....Twentieth-Century Philosophy Section 650	.....Tuition: \$270

POLITICAL SCIENCE

PSCI 1101 3	.....The American Political System Section 650	.....Tuition: \$270
PSCI 2223 3	.....Introduction to International Relations Section 650	.....Tuition: \$270

PSYCHOLOGY

PSYC 1001 3	.....General Psychology Section 650	.....Tuition: \$270
PSYC 2012 3	.....Biological Psychology 1 Section 640	.....Tuition: \$330
PSYC 2012 3	.....Biological Psychology 1 Section 650	.....Tuition: \$330
PSYC 2022 3	.....Biological Psychology 2 Section 650	.....Tuition: \$270
PSYC 2303 3	.....Psychology of Adjustment Section 650	.....Tuition: \$270
PSYC 2606 3	.....Social Psychology Section 650	.....Tuition: \$270
PSYC 3101 4	.....Statistics and Research Methods in Psychology Section 640	.....Tuition: \$440
PSYC 3101 4	.....Statistics and Research Methods in Psychology Section 650	.....Tuition: \$440
PSYC 4303 3	.....Abnormal Psychology Section 650	.....Tuition: \$270
PSYC 4456 3	.....Psychology of Personality Section 650	.....Tuition: \$270
PSYC 4511 3	.....History of Psychology Section 650	.....Tuition: \$270
PSYC 4684 3	.....Developmental Psychology Section 640	.....Tuition: \$330
PSYC 4684 3	.....Developmental Psychology Section 650	.....Tuition: \$330

SOCIOLOGY

SOCY 1001 3	.....Analyzing Society Section 650	.....Tuition: \$270
SOCY 1005 3	.....Social Conflict and Social Values Section 650	.....Tuition: \$270
SOCY 1016 3	.....Sex, Gender and Society 1 Section 650	.....Tuition: \$270
SOCY 4014 3	.....Criminology Section 640	.....Tuition: \$330
SOCY 4014 3	.....Criminology Section 650	.....Tuition: \$330
SOCY 4025 3	.....Conflict Management in Social Systems Section 640	.....Tuition: \$330
SOCY 4086 3	.....Family and Society Section 641	.....Tuition: \$330

SPEECH, LANGUAGE AND HEARING SCIENCES

SLHS 4035 3	.....The Linguistic Structure of ASL Section 580	.....Tuition: \$580
SLHS 5035 3	.....The Linguistic Structure of ASL Section 580	.....Tuition: \$580
SLHS 5045 3	.....Discourse Analysis of ASL Section 580	.....Tuition: \$580
SLHS 5055 3	.....Assessing 1st and 2nd Languages Section 580	.....Tuition: \$580

UNIVERSITY WRITING PROGRAM

UWRP 3020 3	.....Topics in Writing: <i>Catcher in the Rye</i> Section 580	.....Tuition: \$452
UWRP 3040 3	.....Writing on Business and Society Section 580	.....Tuition: \$452

COMPUTER APPLICATIONS WEB-BASED NONCREDIT COURSES

**The Internet-Effective Use of Your Time
CAC3 130-51W Online**

A 'brown-bag' series about the Web, on the Web. Topics include: Internet "Newbie" instruction on the Internet, Electronic Mail (including mail-borne virus protection), Searching for information on the Internet, Searching for and downloading files on the Internet, Anatomy of an HTML (Web) document, Personal Computer Popular Internet Software *Deja Vu* All Over Again - Revisiting Information on the 'Net, Come here Watson, I Need You - Audio and Video on the 'Net, Shopping on the Web - Are You Ready for Virtual Mall Mania?, Keeping Kids Safe on the 'Net. The course is conducted entirely online. Prerequisite: CACS 100 Computer Literacy or equivalent. Must have access to WWW ready computer.

Sid Eaton
Section 51W: January 16-March 30
Tuition: \$200

Handwritten: 2.4
3m
90641
93641

**Excel 97 (8.0) Level II-Features Track
CAPC 334-51W Online**

The focus of this track is on Outlining, Charting/Graphing, Data (base) Manipulation, Import/Export, and other features. A corollary track called the Math Track covers calculating and checking results. Topics include: review of Excel basic features (Workbook and worksheet manipulation, editing, copying, and moving cells, absolute and relative references, basic formulae, and cell and cell content formatting); charting and graphing results; summarizing and outlining information; building, sorting, and extracting information from spreadsheet databases; importing and exporting information. Note: The first week of this course is a review. Individuals who sign up for this course are expected to be comfortable with their skill in the areas covered in the review. The course is conducted entirely online. Prerequisite: CAPC 234 Excel 97 (8.0) Level I or equivalent. Must have access to WWW ready computer.

Sid Eaton
Section 51W: January 16-February 16
Tuition: \$200

Handwritten: 18
90641
93641

**Excel 97 (8.0) Level II-Math Track
CAPC 334-52W Online**

The focus of this track is on calculating and checking results. A corollary track called the Features Track covers Outlining, Charting/Graphing, Data (base) Manipulation, Import/Export, and other features. Topics include: review of Excel basic features (Workbook and worksheet manipulation, editing, copying, and moving cells, absolute and relative references, basic formulae, and cell and cell content formatting); using Excel functions including math, financial, date/time, logical, and lookup; working with cell reference labels and names; working with tables and arrays; basic auditing/checking your results. Note: The first week of this course is a review. Individuals who sign up for this course are expected to be comfortable with their skill in the areas covered in the review. The course is conducted entirely online. Prerequisite: CAPC 234 Excel 97 (8.0) Level I or equivalent. Must have access to WWW ready computer.

Sid Eaton
Section 52W: February 27-March 30
Tuition: \$200

APPLIED MUSIC

During fall and spring semesters the College of Music and Independent Learning offer private instruction for voice and most popular instruments. Group classes are offered for beginning guitar and piano. Private lessons are by arrangement. Students must furnish instruments, except piano. 9 hours of instruction. 2 semester hours credit. Tuition: \$280.

Interested students should contact the Applied Music advisor- 303-492-5737.

**Additional
computer
courses are
available
through the
Computer
Applications
program on
pages 39-56.**

HIGH SCHOOL INDEPENDENT LEARNING

IN COOPERATION WITH YOUR HIGH SCHOOL, we offer high school correspondence courses. You can take these courses with the approval of your school. Your high school grants credit when you complete. And it's up to you to decide when and where to learn. Self-paced courses put you in control. Additional information and course descriptions are available from Independent Learning Programs or on the World Wide Web-www.Colorado.EDU/cewww.

All courses are for 1 semester (half-unit) of high school credit. Registration for credit requires the approval and cooperation of the student's high school. Tuition is \$80 per course. Syllabus and text are extra.

High school students may also register for CU-Boulder university courses as concurrent students, earning credit at the university and at their high school.

BUSINESS EDUCATION

HBUS 1755 Office Systems
 HBUS 1901 Consumer Education and Economics
 HBUS 2355 Beginning Accounting 1
 HBUS 2455 Beginning Accounting 2
 HBUS 2756 Business English and Communication

ENGLISH

HENG 0155 Basic Grammar
 HENG 0255 Intermediate Grammar
 HENG 1701 The Short Story
 HENG 2102 The American Short Story
 HENG 2302 Basic Expository Writing
 HENG 3155 Ninth Grade English 1
 HENG 3255 Ninth Grade English 2
 HENG 3555 Tenth Grade English 1
 HENG 3655 Tenth Grade English 2
 HENG 3955 Eleventh Grade English 1
 HENG 4055 Eleventh Grade English 2
 HENG 4355 Twelfth Grade English 1
 HENG 4455 Twelfth Grade English 2

HOME ECONOMICS

HFCS 1155 Personal Adjustment and Family Living

MATHEMATICS

HMTH 0155 Basic Mathematics 1
 HMTH 0255 Basic Mathematics 2
 HMTH 0555 General Mathematics 1
 HMTH 0655 General Mathematics 2
 HMTH 0956 Business and Consumer Mathematics 1
 HMTH 1056 Business and Consumer Mathematics 2
 HMTH 3157 Beginning Algebra 1
 HMTH 3257 Beginning Algebra 2
 HMTH 3555 Geometry 1
 HMTH 3655 Geometry 2
 HMTH 3955 Advanced Algebra 1
 HMTH 4055 Advanced Algebra 2
 HMTH 4356 Precalculus 1: Analytical Geometry and Algebra
 HMTH 4456 Precalculus 2: Trigonometry

SCIENCE

HSCI 0155 Health Science 1
 HSCI 0255 Health Science 2
 HSCI 2556 Biology 1
 HSCI 2656 Biology 2
 HSCI 5155 Biology 3: Advanced Biology

SOCIAL STUDIES

HSST 0155 Civics
 HSST 0355 Sociology
 HSST 0755 Psychology
 HSST 1755 Ethnic Studies and Human Relations
 HSST 2157 World Geography 1
 HSST 2257 World Geography 2
 HSST 3155 World History 1
 HSST 3255 World History 2
 HSST 3356 American History 1
 HSST 3456 American History 2
 HSST 3755 American Government: Theories, Policies, and Politics
 HSST 3855 American Government: National Level

STUDY SKILLS

HSTS 0101 Effective Methods of Study

INDEPENDENT LEARNING- IT'S UP TO YOU.

On the Web-www.colorado.edu/cewww
 303-492-8757 (toll free, 800-331-2801)

ADDITIONAL CREDIT OPPORTUNITIES TO MEET COMMUNITY NEEDS.

CATECS (Center for Advanced Training in Engineering and Computer Science)

CATECS offers professionals a way to continue their education at a distance from campus:

- ❖ Graduate engineering courses delivered to your worksite via live microwave TV broadcasts with two-way audio and via videotape.
- ❖ Master's degree programs and some certificate programs are available in Aerospace Engineering, Computer Science, Electrical and Computer Engineering, Engineering Management and Telecommunications.
- ❖ Courses offered during the semester can be taken for professional development or toward a master's degree.
- ❖ Courses given in previous semesters can also be taken for credit or noncredit and are available for rent or purchase on videotape through the CATECS Tape Library.

Whether you apply courses toward a master's degree or enroll for professional development, CATECS provides the best of both worlds: convenient distance education and University of Colorado academic quality.

To find out more about the degrees/certificates offered or for a complete listing and description of CATECS Spring 2001 courses, go to the web site at www.colorado.edu/CATECS

Registration for Spring 2001 Courses: December 1-31
Late Registration: January 1-19

FOR MORE INFORMATION ABOUT CATECS
(303) 492-6331

www.colorado.edu/CATECS



ACCESS PROGRAM

Want to take a credit course at CU-Boulder during the day? Perhaps you're interested in a particular class for personal or professional development or plan to enroll in a degree program in the future. Each Fall and Spring, the ACCESS (Available Credit Courses for Eligible Special Students) program enables nondegree students to enroll in on-campus undergraduate or graduate courses.

Registration for spring semester begins Friday, January 12 and classes begin Tuesday, January 16. Call 303-492-5148 for more information or visit the ACCESS web site at www.colorado.edu/conted/access.htm

HIGH SCHOOL CONCURRENT PROGRAM

High school students interested in the challenge of university coursework may enroll in credit courses at the University of Colorado at Boulder through the High School Concurrent Program. In addition to earning college credit, students may also earn credit toward high school graduation requirements.

During the Fall and Spring semesters, high school juniors and seniors may request tuition reimbursement from their school district for the successful completion of up to two university courses each term. You must also notify your counselor of your intent to enroll at least two months prior to the beginning of the term. You may register for main campus courses through the ACCESS (Available Credit Courses for Eligible Special Students) Program or enroll in Boulder Evening credit courses. Call 303-492-5148 for an application and more information or visit the High School Concurrent web site at www.colorado.edu/conted/hconcur.htm

SUMMER SESSION

Summer Session on the Boulder campus is special. Over 500 classes allow you to complete requirements and explore new subjects. Classes are smaller, more relaxed and more personal. You have the opportunity to take classes in a variety of formats and have time for other activities. We welcome visiting high school students, undergraduates, graduate students, and others to join us in Boulder for Summer Session.

For more information on summer session or to request a catalog call 303-492-5148 or visit the web site at www.colorado.edu/sacs/summer



PERSONAL ENRICHMENT, SPRING 2001

FINE ARTS29

- Basic Photography
- Creative Photography Workshop
- Introduction to Drawing
- Figure Drawing
- Water Media
- Introduction to Oil Painting
- Basic Sculpture
- Sculpture: Stonecarving

THEATRE32

- Acting Basics

WRITING32

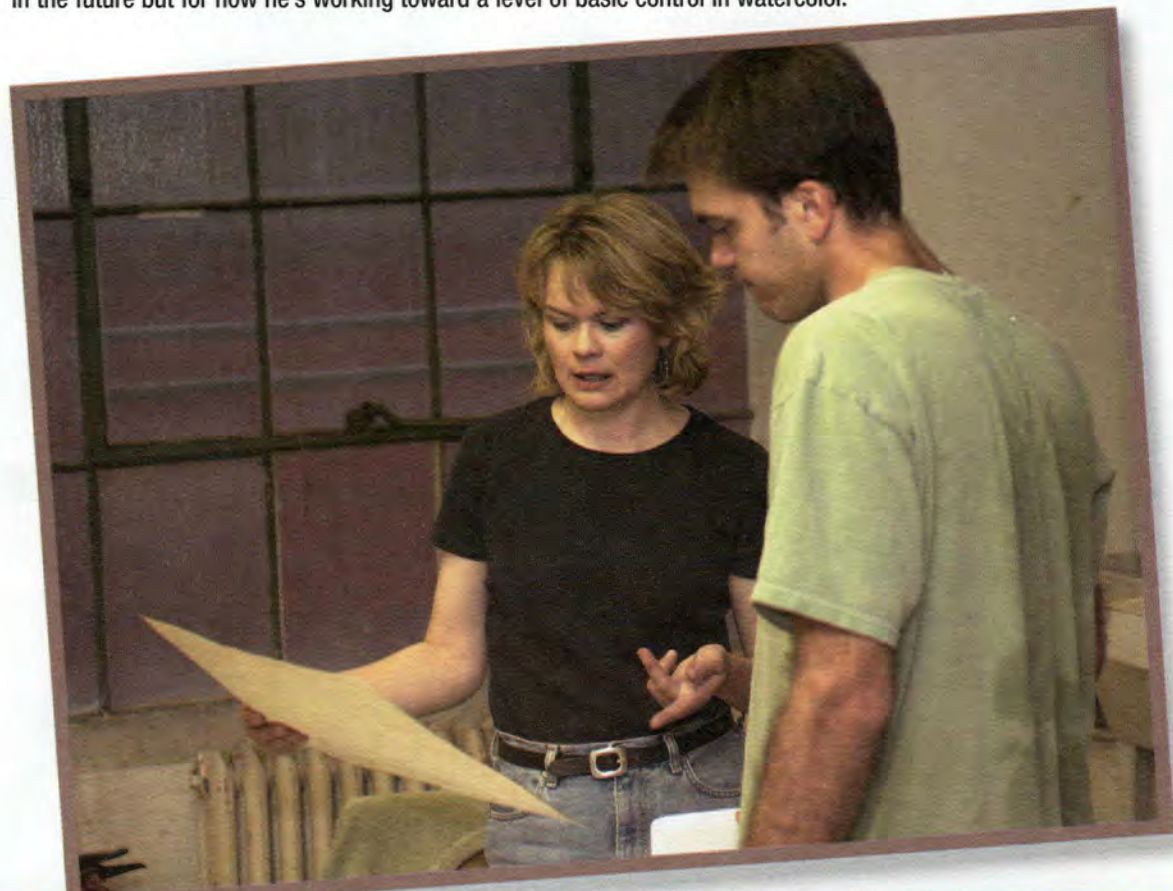
- How to Write Magazine Articles...and Get Them Published
- Creative Writing
- Short Story Workshop
- Poetry Workshop
- The Children's Book: Writing, Illustrating, and Publishing

FOREIGN LANGUAGES30

- Chinese: Beginning Conversational and Written Skills
- French: Beginning Conversational Skills
- French: Advanced Beginning Conversational Skills
- German: Beginning Conversational Skills
- Italian: Beginning Conversational Skills
- Italian: Conversational Skills for Advanced Beginners
- Italian: Intermediate Conversational Skills
- Japanese: Beginning Conversational Skills
- Spanish: Beginning Conversational Skills
- Spanish: Conversational Skills for Advanced Beginners
- Spanish: Intermediate Conversational Skills



Instructor Sandy Lane and Jason D'Ambrosio discuss a work in progress in Water Media (NCFA 009). Sandy is a mixed media artist who shows at Edge Gallery in Denver and other regional venues. (If you missed her show at Macky last spring, you'll have another chance later this year at the Lincoln Center in Fort Collins.) The class attracts a nice mix of students, most of whom are tackling watercolors and painting for the first time. Sandy makes it approachable and fun, teaching students "how to use this medium to work really fast, how to make a whole palette, even flesh tones, with just three basic colors and how to use watercolor as a medium for visual documentation—in a journal, for example, or as a means of creating studies for further development." Jason D'Ambrosio is no stranger to the blank canvas. He's been drawing most of his life. Sandy's class gives him an opportunity to explore the use of color. He says he may combine the two media in the future but for now he's working toward a level of basic control in watercolor.



FINE ARTS**Fearless Basic Photography
NCF A 001**

This is a how-to course for beginning photographers. Come prepared to have fun while learning how to operate your 35mm camera. We will cover lens, film, accessories, exposure, composition, and technique. You will discover how easy it is to take great photographs. Participants in the class will be given photo assignments and encouraged to engage in critiques of class work. Bring your 35mm camera (any variety) and enthusiasm for learning a new skill.

Roddy MacInnes, M.F.A. candidate at CU-Boulder, received his B.A. in Photographic Studies from Napier University in Edinburgh, Scotland. He has traveled extensively in the U.S. and Canada.

Section 500: Tuesdays, January 30-March 20, 6:30-8:30 p.m. Economics 13. 8 sessions. \$160.

**Creative Photography Workshop
NCF A 002**

Learn about amazing new films and special effects, telephoto and wide angle lens use, filters, electronic flash, macro shots, action, professional tricks and composition. Receive an introduction to digital photography with Adobe Photoshop, and detailed darkroom instruction covering black and white printmaking and color enlargements from negatives. The course includes four 2-hour classroom periods, two 3-hour darkroom classes, and three weeks unlimited use of the black and white and color darkrooms. Access to the computer imaging equipment is based on student proficiency. The cost of the darkroom chemicals is included, but you must provide your own film and paper after the first class. Bring your own camera to the first class.

Don Oberbeck is a professional photographer who has taught for over 20 years. He also runs the Boulder Photo Center.

Section 500: Thursdays, February 1-March 29, 7:30-9:30 p.m. Economics 117. 6 sessions. \$180.

**Introduction to Drawing
NCF A 020**

Learn to translate your observations through drawing! You will explore line, value, texture, perspective and more. Working with different materials, such as paper, pencil, graphite, ink, charcoal and house paint, you will experience the different approaches to contemporary drawing. No experience is necessary to start drawing now! Supplies will cost approximately \$50. Call 303-492-5148 for a supply list.

Kimberlee Sullivan, M.F.A. in Painting and Drawing from CU-Boulder, is an Associate of the Rocky Mountain Women's Institute and a current member of the EDGE Gallery.

Section 500: Mondays, January 29-March 19, 6:30-8:30 p.m. Fine Arts C153. 8 sessions. \$160.

**Figure Drawing
NCF A 005**

This course explores the fundamentals of drawing the human figure. The activities are divided into eight learning units. The beginning of the course explores various tools and mark making within the realm of black and white. Students will add to their experimentation by including tools of color and applications such as color schemes, mood, effects on shading, and perspective. We will discuss all aspects of creating a successful composition throughout the course.

Sandy Lane, M.F.A. from CU-Boulder, exhibits her work internationally and is a member of the EDGE gallery. She teaches drawing, painting, print making, and computer imaging to students of all ages.

Section 500: Wednesdays, January 31-March 21, 6:30-8:30 p.m. Fine Arts N298. 8 sessions. \$160.

**Water Media
NCF A 009**

This class is designed to introduce students to a variety of watercolor applications. Discussions focus on understanding color and developing the composition and techniques. Students explore watercolor as a medium to record visual information in their journal as well as in finished work. The class examines a variety of resources such as the still life, human figure, and photograph.

Sandy Lane, M.F.A. from CU-Boulder, exhibits her work internationally and is a member of the EDGE gallery. She teaches drawing, painting, print making, and computer imaging to students of all ages.

Section 500: Mondays, January 29-March 19, 6:30-8:30 p.m. Fine Arts C103. 8 sessions. \$160.

Cheryl Whitehall has been painting for about six years and has taken advantage of a number of Continuing Education classes. She says "You can learn something from every teacher—a new perspective—hints on how to do it better." She says Sandy Lane is "a very organized teacher and I appreciate that. I may take her figure drawing class." A teacher herself, (Spanish at Fairview High School), Cheryl adds that in Sandy's class you don't get caught up in judging your performance, you just feel like you're learning.



FINE ARTS-cont.

**Introduction to Oil Painting
NCFA 028**

In this introductory course, students will gain an understanding of fundamental color theory and basic oil painting materials and other methods. Studio time will include work with observing and representing light, choosing and mixing color, developing interesting compositions, and creating the illusion of space. Development will be encouraged through individualized instruction and group discussions. Students will receive a materials list upon registration. Please bring all materials to the first class meeting. No previous painting experience is necessary.

Christina Craigo, M.F.A. from the School of the Visual Arts in New York, is a painter who has exhibited her work nationally and India.

Section 500: Wednesdays, January 31-March 21, 6:30-8:30 p.m. Fine Arts C103. 8 sessions. \$160.

**Basic Sculpture
NCFA 054**

Designed for students of all levels, this class covers the fundamental principles and design elements of sculpture. Students will use a variety of tools and materials for basic modeling, building and sculptural fabrication techniques. Demonstrations will include the use and application of clay, stone, plaster, metal and wood.

Barbara Cox, M.A., has taught art classes since 1971.

Section 500: Mondays, January 29-March 19, 6:30-8:30 p.m. Fine Arts C102. 8 sessions. \$160.

**Sculpture: Stonecarving
NCFA 011**

Students will learn to conceptualize sculptural images and ideas and express them in stone. To bring out the elements of a basic sculptural form we will examine basic techniques referring to: reducing the stone block, pitching and punching, rubbing and polishing. An illustrated discussion of stone sculptures, tools and materials, and where to purchase these is included.

Barbara Cox, M.A., has taught art classes since 1971.

Section 500: Wednesdays, January 31-March 21, 6:30-8:30 p.m. Fine Arts C102. 8 sessions. \$160.

FOREIGN LANGUAGES

**Chinese: Beginning Conversational and Written Skills
NCFL 108**

Emphasis is on practical and colloquial Chinese for business and travel. Students learn proper pronunciation and useful conversational phrases for a number of situations. Chinese characters will be introduced to reinforce language learning skills. Chinese culture will also be explored. Required text available at the CU Bookstore.

Chung-Hui Kuo Cheng, M.A. Chinese, is a native speaker.

Section 500: Wednesdays, January 31-March 21, 6:30-8:30 p.m. Hellems 255. 8 sessions. \$160.

**French: Beginning Conversational Skills
NCFL 100**

Designed for students with little or no knowledge of French, this course covers grammar but emphasizes conversational skills. Cultural aspects of French life and practical conversation for travelers will also be covered. Text, *Parlons Francais I*, available at the CU Bookstore.

Nadia Turk, Ph.D., has taught both French and Arabic at CU-Boulder since 1982.

Section 500: Tuesdays, January 16-March 20, 6:30-8:30 p.m. Hellems 181. 10 sessions. \$200.

**French: Advanced Beginning Conversational Skills
NCFL 200**

Students should be able to use the present tense before taking this class. Increased vocabulary and speaking skills are stressed. Required text, *Parlons Francais, Part II*, available at the CU Bookstore.

Nadia Turk, Ph.D., has taught both French and Arabic at CU-Boulder since 1982.

Section 500: Thursdays, January 18-March 22, 6:30-8:30 p.m. Hellems 211. 10 sessions. \$200.

**German: Beginning Conversational Skills
NCFL 101**

Designed for students with little or no knowledge of German, this course covers grammar but emphasizes practical conversation for travelers. In addition students will learn cultural aspects to gain insight into German life today.

Lisa Jaramillo is a graduate student in German at CU-Boulder.

Section 500: Tuesdays, January 30-March 20, 6:30-8:30 p.m. Hellems 185. 8 sessions. \$160.



Additional fine arts courses are available through the Boulder Evening program, page 13.



**Italian: Beginning Conversational Skills
NCFL 102**

This course examines the basics of Italian conversational grammar as well as various aspects of modern Italian culture and the Italian way of life. Participants will learn the elements of the language, view videos, and hold open discussions. Required text, *Italianissimo I*, available at the CU Bookstore.

James Walker, M.A., teaches Italian at CU-Boulder.

Section 501: Tuesdays, January 30-March 20, 6:30-8:30 p.m. Hellems 191. 8 sessions. \$160.

Shelley Sullivan, M.A. in Italian Literature, has lived in Italy and taught in Colorado and Virginia.

Section 502: Wednesdays, January 31-March 21, 6-8 p.m. Hellems 247. 8 sessions. \$160.

**Italian: Conversational Skills for
Advanced Beginners
NCFL 202**

Review basic grammar concepts introduced in Beginning Italian as well as expand on vocabulary and expressions essential for conversational fluency in Italian. The course will continue to integrate aspects of modern Italian life and culture. Required text, *Italianissimo I*, available at the CU Bookstore.

Tina Pugliese has an M.A. in Foreign Languages and Cinema Study from the University of Rome, Italy.

Section 500: Tuesdays, January 30-March 20, 6:30-8:30 p.m. Hellems 211. 8 sessions. \$160.

**Italian: Intermediate
Conversational Skills
NCFL 302**

An opportunity to build vocabulary and conversational ability and address cultural and social aspects. Prerequisite: Beginning Italian or equivalent.

Tina Pugliese has an M.A. in Foreign Languages and Cinema Study from the University of Rome, Italy.

Section 500: Thursdays, February 1-March 22, 6:30-8:30 p.m. Hellems 267. 8 sessions. \$160.

**Japanese: Beginning Conversational and
Written Skills
NCFL 104**

We stress polite, practical, and colloquial Japanese in order to build a foundation of survival skills and understand how the language works. Reading simple signs and texts is introduced. Required text, *Communicating in Japanese*, Vol. 1, may be purchased from the instructor in class.

D. H. Gordon, M.A., has taught Japanese language classes since 1981.

Section 500: Thursdays, February 1-March 15, 6-9 p.m. Hellems 255. 7 sessions. \$210.

**Spanish: Beginning Conversational Skills
NCFL 103**

Basic but lively conversational Spanish for travelers. We stress practical vocabulary. Required text, *Getting Along in Spanish*, available at the CU Bookstore.

Elizabeth Medina, Ph.D., is a native of Cuba and has taught at CU-Boulder since 1977.

Section 501: Tuesdays, January 30-March 20, 7-9 p.m. Hellems 177. 8 sessions. \$160.

Itza Zavala, M.A., is a native speaker from Mexico City and is working on her Ph.D. in Spanish at CU-Boulder. She has ten years of teaching experience in Mexico and the U.S.

Section 502: Wednesdays, January 31-March 21, 6:30-8:30 p.m. Hellems 251. 8 sessions. \$160.

**Spanish: Conversational Skills for
Advanced Beginners
NCFL 203**

Build vocabulary, learn the past tense, and review grammar to develop accuracy and proficiency in the use of the language. Prerequisite: Beginning Spanish or equivalent. Required text, *Getting Along in Spanish*, available at the CU Bookstore.

Itza Zavala, M.A., is a native speaker from Mexico City and is working on her Ph.D. in Spanish at CU-Boulder. She has ten years of teaching experience in Mexico and the U.S.

Section 500: Tuesdays, January 30-March 20, 6:30-8:30 p.m. Hellems 251. 8 sessions. \$160.

**Spanish: Intermediate
Conversational Skills
NCFL 303**

An opportunity to build vocabulary and conversational ability and address cultural and social aspects. Prerequisite: Beginning Spanish or equivalent. Required text, *Pasajes: Lengua*, available at the CU Bookstore.

Elizabeth Medina, Ph.D., is a native of Cuba and has taught at CU-Boulder since 1977.

Section 500: Thursdays, February 1-March 22, 7-9 p.m. Hellems 245. 8 sessions. \$160.

Additional
language
courses are
available
through the
Boulder Evening
program,
pages 10, 14
and 19.

Through Sandy Lane's Water Media class, Peggy Groobman is rekindling an interest sparked when she was a teenager in China, where she learned the basics but never really had the time and opportunity to work with it. She says that the approach here is "very different from Chinese watercolor" but thoroughly enjoyable. As the mother of two young children, the class also provides a wonderful creative outlet. "Although I realize I need to learn more, it's really great. Every time after class—I'm so happy."



THEATRE

Acting Basics
NCTH 017

The goal of this class: Bringing to life moments of true emotions once felt, imagined, or written, to engage your mind, body, spirit, and emotions. Relaxation exercises and voice and breathing warm-ups will be stressed. Each student will prepare a two-minute monologue that could be used for auditions after the class is completed. We will also experiment with a variety of scene exercises involving two or more performers. In a supportive and safe environment you will gain tools for expressions and refine your own natural talents. All levels of experience are welcome.

Beth Osnes, Ph.D. in Theater, is an instructor, performer and director.

Section 500: Mondays, February 12-March 19, 6:30-8:30 p.m. Economics 205. 6 sessions. \$120.



Steve Allen is taking Sandy Lane's water media class "to have some fun" and to learn more about watercolor materials. He is a free lance photographer with fine arts sensibilities who is doing some independent exploratory work in alternative photography using watercolor paper and a process that uses watercolor pigments. While it sounds innovative, he says that this technology was developed in the 1860s and was, in fact, the first permanent color photography.

WRITING

How to Write Magazine Articles...and Get Them Published

NC W 005

From sure-to-sell query letters to sure-to-happen publication, learn all the steps to successful magazine article writing and sales. We will cover what editors look for, how to write an organized yet creative article, catchy openings, interview steps, revising and editing and then marketing the finished product. The instructor also works individually with students' articles.

Nancy Rasmussen has published over 50 articles in national and local publications and has taught magazine article writing for six years.

Section 500: Tuesdays, January 30-March 6, 6:30-8:30 p.m. Hale 260. 6 sessions. \$120.

Creative Writing

NC W 006

Expand your creative abilities. Explore dialog, characterization, narrative, description, viewpoint, style, basic structure and more, through series of imaginative exercises. Emphasis is on finding your individual voice. For beginners or more experienced writers.

Naomi Rachel, M.A., is a professional writer with credits in national and regional publications.

Section 500: Wednesdays, January 31-March 21, 7-9 p.m. Hellems 263. 8 sessions. \$160.

Short Story Workshop
NC W 008

Designed for both beginning and experienced writers, this course covers all aspects of writing the short story, including characterization, plot, setting, theme, and developing one's own style and voice. We use a workshop format where students bring their stories-in-progress to class to receive helpful editorial suggestions. The course also includes discussion of the marketplace and how to prepare and submit manuscripts for publication.

Robert McBrearty, M.F.A., from the Iowa Writers' Workshops, has recently published a collection of short stories, *A Night at the Y*.

Section 500: Tuesdays, January 30-March 6, 6:30-8:30 p.m. Guggenheim 206. 6 sessions. \$120.

Poetry Workshop

NC W 042

Through individual and group exercises, this class will provide you with inspiration and support as you develop your poetic voice. The emphasis is on the process of writing as much as on the product - your work, generated both in and out of class, will provide the raw material for an ongoing exploration of what poetry is, and why (and how) people write it.

Susan Boucher has her MA in Creative Writing from the University of Colorado. She's an essayist and poet who has been teaching writing of various kinds for years both at the University of Colorado and elsewhere.

Section 500: Thursdays, February 1-March 22, 6:30-8:30 p.m. Humanities 160. 8 sessions. \$160.

The Children's Book: Writing, Illustrating, and Publishing

NC W 012

Ever dreamed of writing or illustrating a children's book? Learn the entire process, from the cultivation of ideas to the published work. We'll cover manuscript development, illustration techniques, picture layouts, self-publishing and submitting manuscripts to publishing companies. We'll take an in depth look at how straightforward it is to self-publish your own work. Feel free to bring your own work for instructor feedback.

Kerry MacLean, B.A., has written, illustrated and self-published three children's books, including the award winning *Pigs Over Boulder*.

Section 500: Saturday, March 10, 9 a.m.-4 p.m. Continuing Education Center, Room 140, 1505 University Ave. 1 session. \$100.

CENTER FOR BUSINESS EDUCATION

THE CENTER FOR BUSINESS EDUCATION (CBE) at the University of Colorado at Boulder is a joint venture between the College of Business and the Division of Continuing Education. The Center extends the resources of CU's College of Business to professional communities through executive and business education programs. Programs combine the College's best faculty and most relevant curricula with innovative and flexible class formats.

The CBE is charged with developing and delivering non-credit courses, seminars, tutorials, and workshops in the field of business administration to local, regional, national, and international constituencies. CBE is a self-funded center within the University of Colorado at Boulder.

The Center for Business Education has been redesigning the business curriculum to best serve current and future needs. In that effort, we launched two programs in 2000 and more programs are in development.

The CU Business Intensive Certificate (CUBIC) program offers non-business undergraduate students an opportunity to learn fundamental business principles and practices in an intensive, interactive format. Students study Marketing, Management, Accounting, Finance, E-commerce, and Economics and upon completion earn a Certificate in Applied Business. <http://bus.Colorado.edu/CUBIC>

The Colorado Executive in Residence (CEDIR) program offers busy high level managers and executives an opportunity to refresh and renew their business skills at an intensive two-week residential program. Participants return to CU-Boulder for two weeks each summer for a total of three summers, earning a Certificate of Executive Management. <http://bus.Colorado.edu/CEDIR>

For more information on upcoming CBE programs, visit the web site at <http://bus.colorado.edu/CBE> or call 303-492-2499.





DON'T FALL BEHIND. COMPUTER SKILLS ARE POWERFUL TOOLS FOR WORK AND PLAY.

COMPUTERS ARE BECOMING more and more important in our everyday life: for research, communication, planning and record keeping, creative endeavors, or just for keeping in touch with family and friends. Learn how to do what you need to do better, faster and more easily. We offer top-notch instruction by professionals who are experts in their fields, as well as certificate programs in Computer Applications, Network Administration, Programming and Web Site Design.

Our program can help you:

- ❖ Enhance your basic computer skills.
- ❖ Position yourself for a career change.
- ❖ Build advanced technical skills.

GENERAL COURSE INFORMATION

PREREQUISITES

Required prerequisites are listed at the end of each course description. The prerequisite(s) must be completed before you attend the course. Equivalent experience and/or course(s) from another institution may be substituted for the prerequisite(s).

GRADING POLICY

All courses are non-credit, but (S)atisfactory or (U)nsatisfactory grades will be issued by the instructor at the end of the course. Grades are determined by the student's class attendance (at least 75% of class attendance is needed in order to receive an S grade) and/or other factors such as the student's understanding of course material, homework assignments and quizzes.

If you are working toward a certificate in Computer Applications, Programming, Network Administration, or Web Site Design, you must receive a satisfactory grade in all the courses that apply toward your certificate. If you receive an unsatisfactory grade and wish to obtain a certificate, you must take the course over again and obtain a satisfactory grade.

TEXTBOOKS

Certain courses require or recommend textbooks. This will be indicated in the course descriptions. All textbooks are available at the University Bookstore in the University Memorial Center (UMC), room number 10.

OTHER MISCELLANEOUS INFORMATION

ENROLLMENT LIMITS

Enrollment is limited by the number of computers or seats available in each classroom. Only registered students are allowed into class.

CLASSROOM LOCATIONS

Classroom locations are indicated at the end of the course descriptions. The majority of courses offered through the Computer Applications Program are held at the following locations:

- ❖ University Computing Center (UCC) on 3645 Marine (at the corner of Arapahoe and Marine)
- ❖ University Management Systems (UMS) building on 4780 Pearl East Circle (east of Foothills Parkway on Pearl)
- ❖ Division of Continuing Education (CEDU) on 1505 University Avenue
- ❖ Humanities (HUMN) building on the main CU campus.

Refer to the map on pages 60-61 for other course locations.

DROP DEADLINES AND REFUND POLICY

Once you enroll, it is your responsibility to attend the course or drop from it in a timely manner. To receive a refund, you must drop the course before it begins. Once the course begins, no refunds will be issued as we will not be able to replace your seat in class.

FACULTY/STAFF DISCOUNTS

Permanent full-time CU-Boulder faculty and staff are eligible for a 25% tuition discount. A copy of your current employment record is required to receive this discount. Call 303-492-5148 for more information.

NOTES

The \circlearrowleft symbol next to some course titles signify it is a lecture-based only course. All other courses are hands-on or part lecture and part hands-on. Please note that most hands-on courses will take place in a PC lab, unless otherwise specified.

If you have any other questions, please call the Division of Continuing Education at 303-492-5148, or outside the Denver Metro area, 1-800-331-2801.

Visit our web site at

www.colorado.edu/conted/computer.htm.

Chris Mattson teaches a lot of computer classes for us. He says, "It's nice because I live in Boulder and I can walk to campus." This spring, he is teaching the Microsoft Office application suite (all levels), Internet Fundamentals, Systems Architecture, and Database Design. A computer science graduate of California State University, Chico, (a small town north-west of Tahoe that supplies the world with rice and almonds), Chris came to Colorado in 1983 and discovered that a career in computer programming was not his calling. "I didn't like being cooped up all day," he says. So he quit programming and picked up contract work providing sales and training to Microsoft clients. From there he created a flexible teaching and consulting schedule that gives him plenty of time for kayaking, skiing, fishing, biking, canoeing and windsurfing in Colorado and Wyoming. Chris says teaching for Continuing Education is rewarding. "The students are knowledgeable and eager to learn. The training labs are modern and the internet connections are fast. The Internet provides a major resource of the information that a student will acquire during classes". Chris teaches a lot of evening courses and he has nothing but respect for people who come straight from work to a computer class. His skill is keeping the class lively, interactive, humorous and relevant for a room of students with varying levels of computer skills. He has developed a host of simple, innovative techniques to make you forget the clock while you relax, laugh and learn.

CERTIFICATE PROGRAMS

The Computer Applications Program offers four certificate programs: Computer Applications, Network Administration, Web Site Design and Programming. These certificates are designed for beginners, as well as those with intermediate skills in these fields. The courses required for each certificate offer a mix of in-depth theoretical knowledge and real-world experience. Upon completion of the certificate, you should have a good understanding of the basic skills and concepts in the specific field you have chosen. The certificates are not designed to be completed within one semester, but must be completed within three years.

All courses listed under each certificate program must be taken for successful completion of the certificate. If you feel a course within the certificate requirements is too basic, you may replace this course with another course within the Computer Applications Program. Prerequisites are also required and must be completed before you can attend a course. Equivalent experience and coursework from another institution may be used to substitute for the prerequisite.

You must receive a satisfactory grade in all the courses that apply toward your certificate. If you receive an unsatisfactory grade, you must take the course over again and obtain a satisfactory grade.

Once you have completed all the requirements for your certificate, please send a written request for your certificate. Send the request via e-mail to cecas@colorado.edu or to the Computer Applications Registrar, University of Colorado at Boulder, Division of Continuing Education, Campus Box 178, Boulder, CO 80309-0178.

CERTIFICATE IN COMPUTER APPLICATIONS

For this certificate, you must complete the five required core courses, one programming course and four electives.

A. FIVE REQUIRED CORE COURSES

- CACS 100 Computer Literacy
- CACS 201 Concepts of Computer Information Technology
- CACS 202 Computer Applications Overview
- CACS 204 Computer Systems Overview
- CACS 220 Introduction to Networks

B. ONE PROGRAMMING COURSE

Programming courses offered include Visual Basic, C++ and Java. (See pages 46-51 for course listings.)

C. FOUR ELECTIVE COURSES

Any computer applications course not listed or taken as a requirement above qualifies as an elective. You may want to focus on a specific area of emphasis (i.e. computer graphics, databases, spreadsheets, etc.) to be more proficient in a type of application. (See pages 51-56 for course listings.)

CERTIFICATE IN NETWORK ADMINISTRATION

For this certificate, you must complete the required courses in one of the two tracks (Windows/Intel or UNIX), the operating systems courses, the required administrative course, an elective administrative course, a programming course and a database course.

A. CHOOSE ONE OF THE FOLLOWING TRACKS

1. Windows/Intel Track (both courses in this track are required)

- CACS 220 Introduction to Networks
- CACS 321 Network Administration

2. UNIX Track (both courses in this track are required)

- CACS 211 Introduction to UNIX
- CACS 311 Intermediate UNIX

B. OPERATING SYSTEMS (both courses are required)

- CACS 305 Computer Architecture
- CACS 323 Network Operating Systems

C. REQUIRED ADMINISTRATION COURSE

- CACS 424 Wide Area Networking Topics

D. OTHER ADMINISTRATION COURSES (select one)

- CACS 304 Introduction to Windows NT 4.0 Administration
- CACS 404 Intermediate Windows NT 4.0 Administration
- CACS 414 NetWare Administration
- CACS 415 UNIX System Administration

E. PROGRAMMING COURSE

Choose one programming course. (See pages 46-51 for course listings.)

F. DATABASE COURSE

Choose one database course. (See pages 53-54 for course listings.)

CERTIFICATE IN WEB SITE DESIGN

This certificate is all hands-on. To ensure you get the most out of the course and can actively participate, please make sure you complete the prerequisites first. The courses are short and fast-paced, with minimal review of materials from the prerequisites.

For this certificate, you must complete the six required core courses, one multimedia course, one graphics course, one elective course and the capstone Web Site Design Project course.

A. REQUIRED CORE COURSES

All five courses listed below are required and must be taken in sequence. You must complete the first course in the sequence before taking the second and so on.

- 1st CACS 331 Internet Applications
- 2nd CACS 332 Introduction to HTML
- 3rd CACS 432 Intermediate HTML
- 4th CACS 532 Advanced HTML
- 5th CACS 336 Introduction to JavaScript

B. OTHER REQUIRED CORE COURSE

(Reminder: Prerequisite(s) must be completed first.)

- CACS 334 Design Techniques for Web Sites

C. REQUIRED MULTIMEDIA ELECTIVE

Choose any one of the following courses. (Reminder: Prerequisite(s) must be completed first.)

- CAMC 291 Macromedia Director (6) Level I
- CAMC 293 Multimedia Solutions
- CACS 434 Using Macromedia DreamWeaver to Create Web Sites*
- CACS 260 Motion Graphics Using Flash*

**Note: CACS 434 and CACS 260 cannot be used to fulfill the Multimedia Elective if you are already taking either of these courses to fulfill the Web Course Elective.*

D. REQUIRED GRAPHICS ELECTIVE

Choose any one of the following courses. (Reminder: Prerequisite(s) must be completed first.)

- CAPC 282 PhotoShop for Windows, Level I
- CAPC 382 PhotoShop for Windows, Level II
- CAPC 283 Illustrator for Windows, Level I
- CAMC 282 PhotoShop for Macintosh, Level I
- CAMC 382 PhotoShop for Macintosh, Level II
- CAMC 283 Illustrator for Macintosh, Level I

E. WEB COURSE ELECTIVE

Choose any one of the following courses. (Reminder: Prerequisite(s) must be completed first.)

- CACS 237 Doing Business on the Internet
- CACS 533 Advanced HTML 4.0 Update
- CACS 233 Web Site Design with FrontPage 2000
- CACS 436 JavaScript Language
- CACS 434 Using Macromedia DreamWeaver to Create Web Sites*
- CACS 260 Motion Graphics Using Flash*

**Note: CACS 434 and CACS 260 cannot be used to fulfill the Web Course Elective if you are already taking either of these courses to fulfill the Multimedia Elective.*

F. REQUIRED CAPSTONE COURSE

All the required courses listed in A-E above must be successfully completed before you can enroll in this course.

- CACS 600 Web Site Design Project

2. Java Track (all courses required)

- CACS 247 Introduction to Object-Oriented Programming Using Java
- CACS 347 Java for Object-Oriented Experienced Programmers
- CACS 447 Advanced Java Programming Language Topics
- CACS 448 Advanced Java Library
- One Java Topics Course
- One Design Topics Course

C. Choose one elective Topics course not already taken for the track requirements**TOPICS COURSES****Java Topics**

- CACS 248 Java Servlets
- CACS 348 GUI Programming in Java
- CACS 360 Developing Web Applications in Java
- CACS 450 Network-Embedded Java Programming

Design Topics

- CACS 345 Object-Oriented Design Patterns
- CACS 445 Object-Oriented Analysis and Design

Visual Basic Topics

- CACS 245 Introduction to Hands-on Visual Basic Programming
- CACS 350 Intermediate Hands-on Visual Basic Programming

Database Design Topics

- CAPC 357 Database Design Concepts
- CAPC 358 Relational Database Concepts and SQL Programming

CERTIFICATE IN PROGRAMMING

For this certificate, you must complete the required introductory courses in Option 1 or 2, the required courses in one of the two tracks (C++ or Java) and one elective Topics course.

A. REQUIRED INTRODUCTORY COURSES

(Choose option 1 or 2)

Option 1: For absolute beginners (all courses are required)

- CACS 240 Introduction to Programming
- CACS 241 Introduction to Hands-on C++
- CACS 341 Intermediate Hands-on C++

Option 2: For those who have had some programming experience (all courses are required)

- CACS 242 Introduction to Application Programming
- CACS 342 Intermediate Application Programming

B. CHOOSE ONE OF TWO TRACKS**1. C++ Track** (all courses required)

- CACS 244 Intro to Object-Oriented Programming in C++
- CACS 344 Intermediate/Advanced C++ Programming
- CACS 444 C++ Gotchas
- CACS 341 Intermediate Hands-on C++ or CACS 342 Intermediate Application Programming
- Two Design Topics Courses



COMPUTER APPLICATIONS COURSES, SPRING 2001

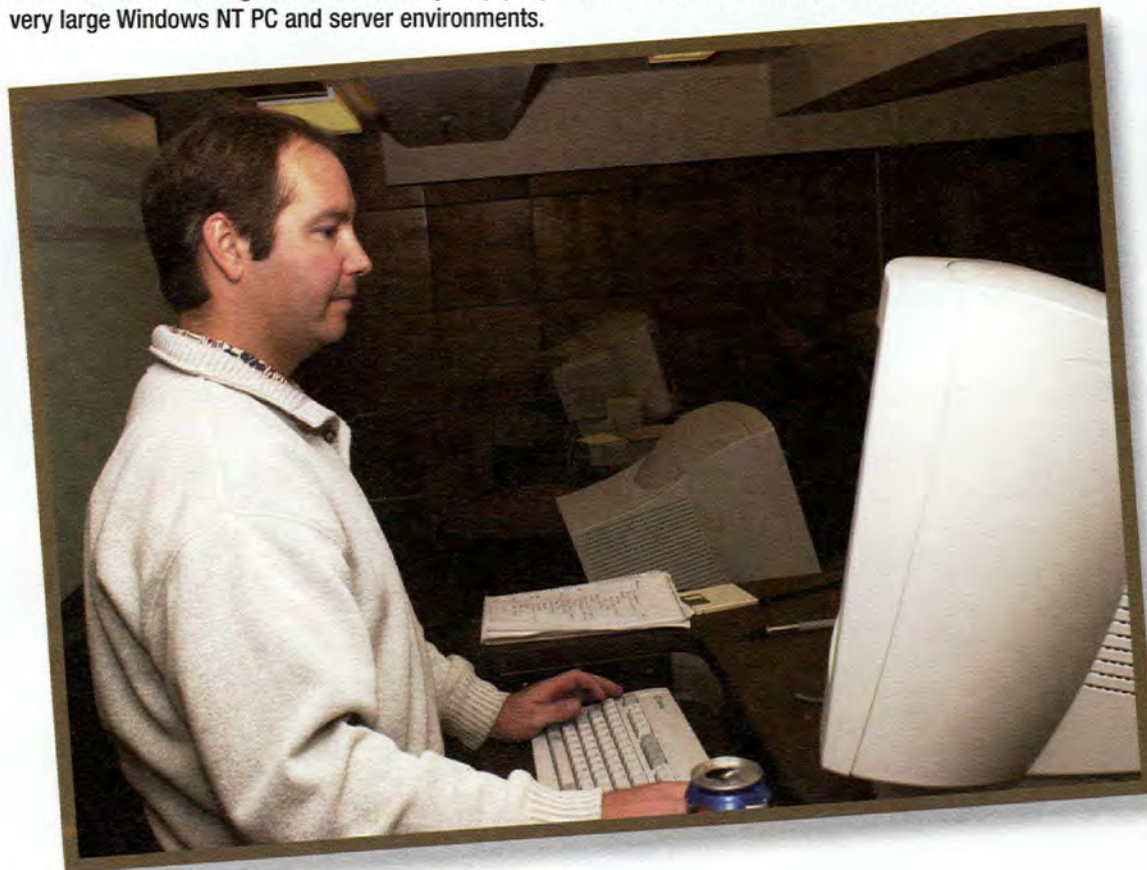
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Bob Schmidt teaches Intermediate and Intro to Windows NT Administration. As an owner of a Denver area technology firm, "Kauai Technologies," he provides a real-world, big-picture view of all aspects of Windows NT both current and future. He enjoys teaching at CU for the great interaction with students in a small classroom setting. The classes really help people build on skills to manage and support small to very large Windows NT PC and server environments.



NETWORKS-cont.**Network Administration
CAC 321**

Lecture and lab. The lecture portion provides information about network management skills including setting up user groups and access privileges, maintaining security, backup strategies, as well as sharing printers and other network resources. In lab, students learn troubleshooting techniques, and how to solve and prevent network problems. **Prerequisite:** CACS 323 Network Operating Systems or equivalent.

Shayn Smith, Ph.D., CNE

Section 500: Mondays and Thursdays, April 16-26, 6-9 p.m. 4 sessions. Mondays in University Computing Center 123 and Thursdays in University Computing Center 127. \$210.

**Network Operating Systems
CAC 323**

This course deals with the major server operating systems. The lecture portion of the course compares and contrasts the components, functionality, and architecture of the Windows, UNIX, and Macintosh network operating systems. In lab, students learn about installing and configuring the operating systems and how to use them in fully functional network servers. **Prerequisite:** CACS 303 Computer Operating Systems or equivalent. **Required text:** *Using Networks*, Derfler.

Instructor: TBA

Section 500: Mondays and Thursdays, April 2-12, 6-9 p.m. 4 sessions. Mondays in University Computing Center 123 and Thursdays in University Computing Center 127. \$210.

**Introduction to Windows NT 4.0
Administration
CAC 304**

A technical hands-on course focusing on concepts necessary for installing and running Windows NT Workstation and Server in a simple small office environment. Topics include planning and installation, file systems and disks, application issues, printing, backups and performance tuning and optimization.

Prerequisites: CACS 303 Computer Operating Systems and CACS 323 Network Operating Systems or equivalent. **Required text:** *Inside Windows NT Server 4*, 2nd edition, Heywood.

Bob Schmidt, M.A.

Section 500: Tuesdays, February 27-March 20, 6-9 p.m. 4 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$420.

**Intermediate Windows NT 4.0
Administration
CAC 404**

Expand on the topics covered in the introduction course by learning what it takes to adapt them to a larger scale multi-server environment using Domains and Trusts. Also examine the Internet Information Server, Remote Access Service, and other network components. **Prerequisite:** CACS 304 Introduction to Windows NT 4.0 Administration or equivalent. **Required text:** *Inside Windows NT Server 4*, 2nd edition, Heywood.

Bob Schmidt, M.A.

Section 500: Wednesdays, April 4-25, 6-9 p.m. 4 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$420.

**UNIX System Administration
CAC 415**

This hands-on course examines in-depth the fundamental aspects of managing users, installing and troubleshooting software and hardware, and effective backup and security schemes. Advanced topics include an overview of network management as well as suggestions for effective system monitoring schemes, particular setup strategies and other "tricks of the trade." **Prerequisites:** CACS 211 Introduction to UNIX or equivalent and users level knowledge of file ownerships, directories, permissions, basic commands and editors.

Lynn Schaper, B.A.

Section 500: Mondays and Wednesdays, February 19-March 5, 6-9 p.m. 5 sessions. University Computing Center 127. \$460.

**Wide Area Networking Topics
CAC 424**

This course presents an overview of Wide Area Network technologies that are commonly used at the University of Colorado at Boulder as well as other businesses. The course will cover WAN standards, such as PPP, SLIP, frame relay and V.34 modem protocols with hands-on configuration of systems for access to CU-Boulder modem pools and Internet service providers. Windows 95 and Macintosh configurations will be discussed. **Prerequisite:** CACS 323 Network Operating Systems or equivalent.

Paul Welding, B.S.

Section 500: Tuesdays, April 17-May 1, 6-9 p.m. 3 sessions. University Computing Center 123. \$200.

☞ *Lecture only; no labs*



OPERATING SYSTEMS**Computer Operating Systems
CAC 303**

This course deals with the major workstation operating systems. The lecture portion of the course compares and contrasts the components, functionality, and architecture of the Windows, UNIX, and Macintosh workstation operating systems. In lab, students learn about installing and configuring the operating systems and how to use them in fully functional workstations.

Prerequisite: CACS 204 Computer Systems Overview or equivalent. **Required text:** *Crossing Platforms: A Macintosh/Windows Phrasebook*, Engst and Pogue.

Instructor: TBA

Section 500: Thursdays, March 1-22, 6-9 p.m. 4 sessions. March 1 and 15 in University Computing Center 123 and March 8 and 22 in University Computing Center 127. \$210.

**Hands-On UNIX
CAC 312**

Learn the basics of the UNIX operating system for programming, Internet connectivity, and other daily tasks. The course covers UNIX fundamentals such as the file and directory structure, essential commands, editors and shells.

Advanced topics include customization of the user environment, basic shell programming and an overview of the different versions of UNIX available on the market today. **Prerequisite:** CACS 100 Computer Literacy or equivalent.

Bill Norton, B.A.

Section 500: Tuesdays, January 23-February 20, 6-9 p.m. 5 sessions. University Management Systems 001. \$360.

Introduction to UNIX**CACS 211**

This is a course for anyone who needs to use UNIX, program in its environment, manage users, or obtain sufficient knowledge to evaluate it. Fundamentals are covered, including few advanced topics history, the importance of different versions, files, directories, permissions, essential commands, editors, the Bourne and C shells, I/O redirection, pipes, command substitution, environment variables, powerful features of the C shell and a look inside the UNIX kernel.

Prerequisite: CACS 100 Computer Literacy or equivalent.

Craig McBride, M.B.A.

Section 500: Mondays and Thursdays, January 22-February 12, 6-9 p.m. 7 sessions. University Computing Center 123. \$390.

Intermediate UNIX**CACS 311**

Create your own tools or do system administration. Advanced use of commands are covered, including creating and executing shell programs, start-up files, variables, parameters, simple and multiple case branching, loops, signal handling, testing file attributes, plus some ingenious little-known features. **Prerequisite:** CACS 211

Introduction to UNIX or equivalent.

Craig McBride, M.B.A.

Section 500: Mondays and Wednesdays, March 7-21, 6-9 p.m. 5 sessions. University Computing Center 123. \$460.

THE INTERNET**Internet Fundamentals
CAC 230**

Learn what today's information SuperHighway, the Internet, offers. Topics include an overview of its history and technology, access providers and ways to join the Internet. Basic applications such as electronic mail, USENET news, finding and accessing information and the World Wide Web will be covered. Lecture includes information on both PC and Macintosh platforms. **Prerequisite:** CACS 100 Computer Literacy or equivalent.

Lorraine Revelle, B.A.

Section 501: Monday and Wednesday, January 22 and 24, 6-9 p.m. 2 sessions.

Beth Sigren, B.S.

Section 502: Saturday, January 27, 9 a.m.-4 p.m. 1 session.

All Sections: Humanities 1B45. \$150.

Linda Neale is taking the Network Administration class because she is working on the certificate program. "I am a network administrator for a small company and I want to learn more about NT administration." She says the class is good. "It's a hands-on class and that's what I was looking for. I'm very pleased."



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THE INTERNET-cont.**The Internet-Effective Use of Your Time Online
CACs 130**

A 'brown-bag' series about the Web, on the Web. Topics include: Internet "Newbie" instruction on the Internet, Electronic Mail (including mail-borne virus protection), Searching for information on the Internet, Searching for and downloading files on the Internet, Anatomy of an HTML (Web) document, Personal Computer Popular Internet Software, *Déjà Vu* All Over Again - Revisiting Information on the 'Net, Come here Watson, I Need You: Audio and Video on the 'Net, Shopping on the Web: Are You Ready for Virtual Mall Mania?, Keeping Kids Safe on the 'Net. The course is conducted entirely online. **Prerequisite:** CACS 100 Computer Literacy or equivalent. Must have access to WWW ready computer. This course cannot be used as an elective for the Web Site Design Certificate.

Sid Eaton

Section 51W: January 16-March 30. \$200.

**Doing Business on the Internet
CACs 237**

"E-commerce": Learn the fundamentals for promoting and marketing your business online. Topics include conceptualizing, planning, organizing and implementing a web-based "store-front" distributed on the Internet. Case studies will be reviewed that demonstrate various strategies for successful management of security, payment, search listings, and software concerns as applied to marketing your product or service on the Web. **Prerequisite:** CACS 230 Internet Fundamentals or equivalent.

Instructor: TBA

Section 501: Wednesdays, February 7-28 (skip February 14), 6-9 p.m.

Section 502: Wednesdays, March 7-21, 6-9 p.m.

All Sections: 3 sessions. Humanities 1B45. \$190.

**Internet Applications
CACs 331**

There is more to the Internet than web sites! In this class, you will access and search FTP sites, transfer files to a host computer using FTP and log on to a host computer with telnet. Learn more about your web browser: how to set preferences, download and install plug-ins, organize bookmarks and copy images. Also, sign up for free web space and build your own web page using free software. **Prerequisite:** CACS 230 Internet Fundamentals or equivalent.

Ginny Figlar, M.A.

Section 501: Thursdays, January 25-February 8, 6-9 p.m. 3 sessions. University Management Systems 001.

Beth Sigren, B.S.

Section 502: Saturdays, February 3 and 10, 9 a.m.-2:30 p.m. 2 sessions. University Management Systems 001.

Rachelle Johnson

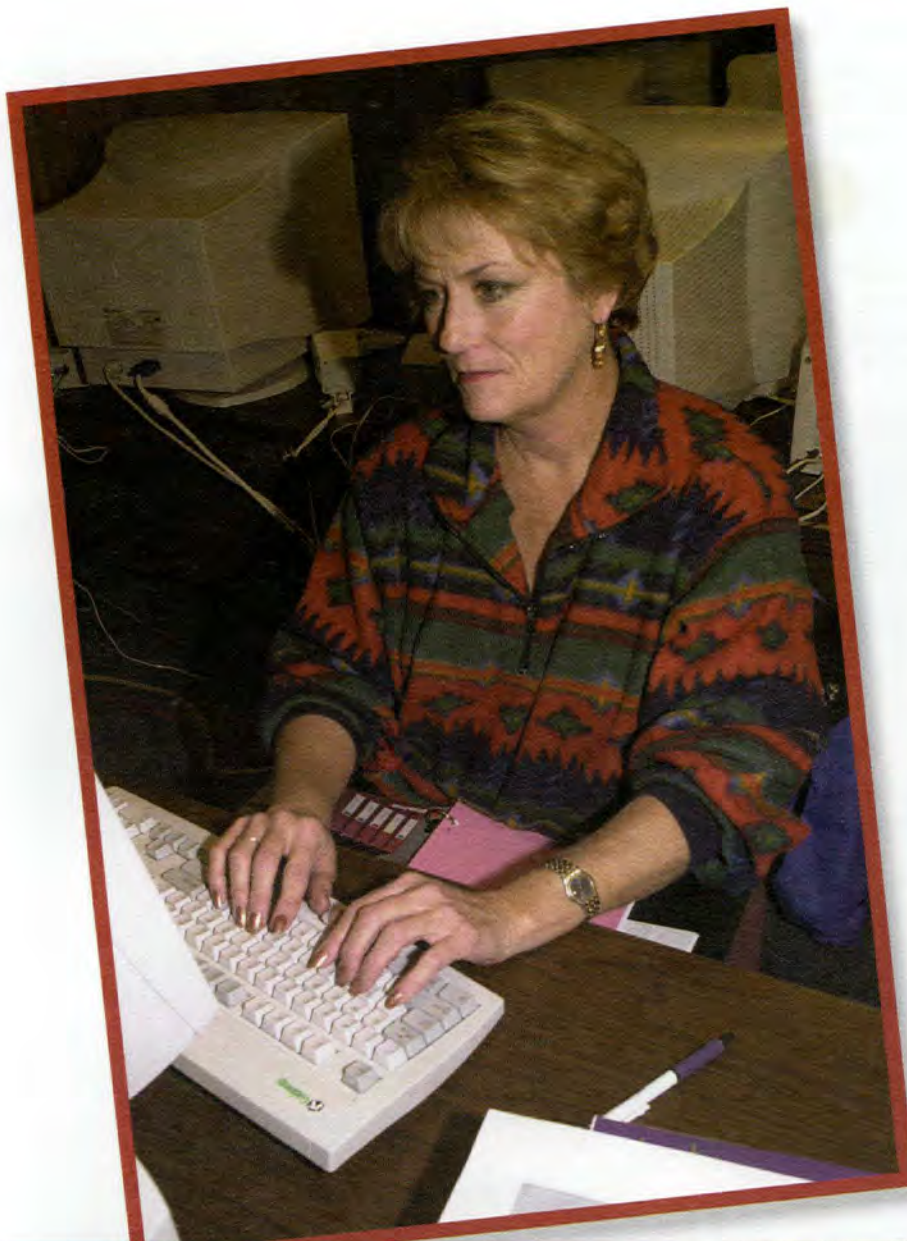
Section 503: Mondays, February 5-19, 6-9 p.m. 3 sessions. Humanities 1B45.

Chris Mattson, B.S.

Section 504: Wednesdays, February 7-28 (skip February 14), 6-9 p.m. 3 sessions. University Management Systems 001.

Section 505: Saturdays, February 17 and 24, 9 a.m.-2:30 p.m. 2 sessions. University Computing Center 127.

All Sections: \$190.



Web based academic credit courses are available through the Independent Learning program, pages 20-23.

Intro to Windows NT is one of 12 classes Lorraine Revelle is taking this semester. She's working on three certificate programs—Network Administration, Web Design and Computer Applications. Her goal is to expand her credentials for better job opportunities—specifically, to help her be a more effective teacher. (She is currently teaching Intro to Windows for us.) Lorraine and her husband have recently returned from 2-1/2 years living in Panama—her husband was involved in the closure of US operations there. So Lorraine is enjoying the process of gearing up for a new life and career here.

Introduction to Hypertext Mark-up Language (HTML): Formatting, Links, Lists and Tables

CACS 332

Learn how to create web pages and web sites. Topics include formatting tags, essential head tags, lists, links, images and tables. Coding techniques and tips for web site design are also covered. **Prerequisites:** CAPC 203 Windows 95 Level I and CACS 331 Internet Applications or equivalent. Proficiency with PCs and the Windows 95 operating system is necessary.

Karis Vail Schmidt, B.A.

Section 501: Wednesdays, January 31-February 28 (skip February 21), 9 a.m.-12 p.m. 4 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Beth Sigren, B.S.

Section 502: Saturdays, March 3-17, 1-5 p.m. 3 sessions. Humanities 1B45.

Ginny Figlar, M.A.

Section 503: Wednesdays, March 7-April 4 (skip March 28), 6-9 p.m. 4 sessions. University Computing Center 127.

Karis Vail Schmidt, B.A.

Section 504: Mondays, March 12-April 9 (skip March 26), 6-9 p.m. 4 sessions. Humanities 1B35. This course will be taught in a Mac lab.

Section 505: Tuesdays, March 13-April 10 (skip March 27), 9 a.m.-12 p.m. 4 sessions. University Computing Center 127.

Section 506: Tuesdays, March 13-April 10 (skip March 27), 1-4 p.m. 4 sessions. University Computing Center 127.

All Sections: \$235.

Intermediate Hypertext Mark-up Language (HTML): Meta Tags, Referencing and Frames

CACS 432

This course builds on the skills learned in CACS 332 Introduction to HTML. Learn to code more meta tags; absolute, relative and base references; and frames. Also learn about client pull and server push concepts. **Prerequisite:** CACS 332 Introduction to Hypertext Mark-up Language (HTML) or equivalent. You must be proficient with PCs and the Windows 95 operating system and able to implement all the skills covered in the Introduction HTML course with minimal assistance.

Karis Vail Schmidt, B.A.

Section 501: Tuesdays, April 17-May 1, 9 a.m.-12 p.m. University Computing Center 127.

Beth Sigren, B.S.

Section 502: Tuesdays, April 17-May 1, 6-9 p.m. Humanities 1B35.

Susan Walanski, B.A.

Section 503: Wednesdays, April 18-May 2, 6-9 p.m. University Management Systems 001.

Joyce Evans, B.A.

Section 504: Thursdays, April 19-May 3, 6-9 p.m. University Management Systems 001.

Karis Vail Schmidt, B.A.

Section 505: Mondays, April 23-May 7, 6-9 p.m. University Computing Center 127.

Susan Walanski, B.A.

Section 506: Mondays, April 23-May 7, 6-9 p.m. Humanities 1B45.

All Sections: 3 sessions. \$195.

Advanced Hypertext Mark-up Language (HTML)

CACS 532

This course builds on the skills learned in the Introduction and Intermediate HTML courses. Examine the "big picture" of web site design, creation and advertising. Learn to code forms, styles and style sheets. **Prerequisite:** CACS 432 Intermediate Hypertext Mark-up Language (HTML) or equivalent. You must be proficient with PCs and the Windows operating system and able to implement all skills covered in the Introduction and Intermediate HTML courses to successfully complete this course.

Instructor: TBA

Section 501: Tuesdays, January 23-February 13, 6-9 p.m. Humanities 1B45.

Joyce Evans, B.A.

Section 502: Saturdays, January 27-February 17, 9 a.m.-12 p.m. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Section 503: Saturdays, January 27-February 17, 1-4 p.m. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Beth Sigren, B.S.

Section 504: Wednesdays, February 28-March 21, 6-9 p.m. Humanities 1B35. This course will be held in a Mac Lab.

Karis Vail Schmidt, B.A.

Section 505: Saturdays, March 3-24, 9 a.m.-12 p.m. University Computing Center 127.

Joyce Evans, B.A.

Section 506: Wednesdays, March 14-April 11 (skip March 28), 6-9 p.m. University Management Systems 001.

All Sections: 4 sessions. \$235.



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THE INTERNET-cont.**Advanced Hypertext Mark-up Language (HTML) (4.0) Update
CACs 533**

Learn about the new version of HTML: HTML 4.0. This fast-paced class covers new and revised HTML tags, attributes, and values as specified by the W3C. This class builds on the skills learned in all levels of the HTML courses. **Prerequisite:** CACS 532 Advanced Hypertext Mark-up Language (HTML) or equivalent. Students must be proficient with PCs and the Windows 95 operating system and able to implement the skills covered in all levels of the HTML courses with minimal assistance.

Beth Sigren, B.S.

Section 500: Saturdays, February 17 and 24, 1-4 p.m. 2 sessions. Humanities 1B45. \$160.

**Design Techniques for Web Sites
CACs 334**

Learn basic design principles and apply them to web page design. Targeting audience, defining your goal and flow-charting will also be discussed. Using Adobe Photoshop, discover ways to create enticing graphics for your pages that are interesting and also manageable. Other topics include today's technological realities, typography and color theory. **Prerequisite:** CACS 331 Internet Applications or equivalent.

Beth Sigren, B.S.

Section 501: Saturday, April 28, 9 a.m.-4 p.m. 1 session. Humanities 1B45.

All Sections: \$160.

**Using Macromedia DreamWeaver to Create Web Sites
CACs 434**

This professional level HTML editor is a sophisticated tool for creating web sites. Its powerful site management tools will be covered as well as discussion of layout techniques using tables and frames. Creating rollovers, image swaps, image maps, and much more will also be covered. If you haven't seen DreamWeaver in action, this class is a must. **Prerequisite:** CACS 432 Intermediate HTML or equivalent.

Jeff Braunstein, M.S.

Section 501: Mondays, January 22-February 12, 6-9 p.m. 4 sessions. Humanities 1B35. This course will be held in a Mac lab.

Tim Meehan

Section 502: Saturdays, January 27-February 10, 9 a.m.-1 p.m. 3 sessions. University Computing Center 127.

Jeff Braunstein, M.S.

Section 503: Mondays, February 19-March 12, 6-9 p.m. 4 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Tim Meehan

Section 504: Mondays, April 16-May 7, 9 a.m.-12 p.m. 4 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

All Sections: \$265.

**Web Site Design with FrontPage 2000
CACs 233**

Learn to develop a web presence with Microsoft's popular web authoring and management tool. This class will take you from beginning to end, while covering the basics (including hyperlinks, navigation, image maps, text and graphic use, lists and tables) and moving to more sophisticated techniques (including creating interactive forms, frames, discussion boards, rollover buttons and utilizing the many wizards that FrontPage offers). The course will also cover in depth the powerful management tools available for easily maintaining and managing your site. **Prerequisites:** CAPC 203 Windows 95/CAPC 205 Windows 98 and CACS 230 Internet Fundamentals or equivalent.

Karis Vail Schmidt, B.A.

Section 501: Mondays, February 19-March 12, 9 a.m.-12 p.m.

Section 502: Wednesdays, April 11-May 2, 6-9 p.m.

All Sections: 4 sessions. University Computing Center 127. \$260.



**Motion Graphics Using Flash
CACCS 260**

Learn how to create dynamic, interactive "shock-wave" movies for multimedia and web applications. Techniques that will be covered include drawing objects, creating symbols, creating motion tweening and simple interactivity. Homework projects will be assigned and due at the beginning of class. **Prerequisite:** CAMC 293 **Multimedia Solutions** or equivalent.

Mary McGivern, B.A.

Section 501: Tuesdays, February 6-13, 9 a.m.-4 p.m. 2 sessions.

Section 502: Wednesdays, April 4-25, 9 a.m.-12 p.m. 4 sessions.

Section 503: Wednesdays, April 4-25, 1-4 p.m. 4 sessions.

All Sections: University Computing Center 127. \$265.

**Introduction to JavaScript
CACCS 336**

Learn how to apply JavaScript to enhance web pages. Topics include an overview of JavaScript and how to include basic JavaScripts, such as rollovers, scrolling status bars, cycling banners, the current date and opening new browser windows into a web page. Hands-on exercises will be used to make your web pages up-to-date and impressive. **Prerequisite:** CACS 532 **Advanced HTML** or equivalent.

Susan Walanski, B.A.

Section 501: Thursdays, February 8-22, 6-9 p.m. Humanities 1B45.

Section 502: Thursdays, March 1-22 (skip March 15), 6-9 p.m. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Instructor: TBA

Section 503: Saturdays, March 3-17, 9 a.m.-12 p.m. University Management Systems 001.

Section 504: Saturdays, March 3-17, 1-4 p.m. University Management Systems 001.

All Sections: 3 sessions. \$200.

**JavaScript Language
CACCS 436**

This course will cover programming techniques such as controlling program flow, looping structures, defining and manipulating functions and the various uses of JavaScript's object properties and methods. However, this course is not intended to teach general programming concepts; therefore, students should be familiar with general programming concepts such as variables, statements, parameter passing and the idea of modularized code (i.e. functions/subroutines/methods). This hands-on course will have a lot of in-class exercises using JavaScript in practical applications such as verifying different types of form field data, browser detection, reading, writing and deleting cookies, creating new pages dynamically and writing user defined functions for pre-loading images. **Prerequisites:** CACS 240 **Introduction to Programming** and CACS 336 **Introduction to JavaScript** or equivalent.

Joyce Evans, B.A.

Section 501: Saturdays, February 24-March 10, 9 a.m.-4 p.m. 3 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Instructor: TBA

Section 502: Tuesdays, April 3-May 8, 6-9 p.m. 6 sessions. Humanities 1B45.

Section 503: Saturdays, April 28-May 12, 9 a.m.-4 p.m. 3 sessions. University Management Systems 001.

All Sections: \$280.

**Web Site Design Project
CACCS 600**

Required capstone course for the Certificate in Web Site Design. With minimal assistance and supervision, students will create a web site to demonstrate their complete understanding of web site design. This fast-paced class builds upon the skills learned in the courses required for the Certificate. Particular attention is given to images, tables, forms, frames, style sheets and JavaScript scripts. Homework is regularly assigned and must be completed as directed for successful completion of this course and the Certificate. **Prerequisite:** Students must have satisfactorily completed all the required courses for the Web Site Design Certificate. CACS 533 **Advanced HTML 4.0 Update** is highly recommended.

Beth Sigren, B.S.

Section 501: Saturdays, February 17-March 17, 9 a.m.-12 p.m.

Section 502: Wednesdays, April 11-May 9, 6-9 p.m.

All Sections: 5 sessions. Humanities 1B45. \$275.

People who take Continuing Education classes lead busy lives. Nan Burmeister, for example. We spoke to Nan by phone on a Saturday morning at the end of a week taken up with final preparation for her company's annual meeting on the following Monday—an event hosting some 40 clients. While we spoke, she was preparing food for 50 guests for an engagement party that evening for (very) good friends. When she's not making baklava and Swedish meatballs, Nan is a manager for Wagers and Associates. She's taking Intro to Windows NT "because one of my responsibilities is to be a back-up administrator for our network. And because it might be helpful for client support."



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PROGRAMMING**Introduction to Programming** ☞
CACS 240

This is an excellent first course for students with minimal or no programming background who want to take Hands-On C++. Using an object-oriented approach, students will learn the logic patterns needed for structured programming in any language. Students will work with if statements, loops and modularized code and learn to write top-down elegant code. **Prerequisite:** CAPC 203 Windows 95 Level I or equivalent. **Required text:** *Karel ++*, Pattis.

Charry Stover, M.S.

Section 501: Wednesdays, January 24 and February 7 and Tuesdays, January 30 and February 13, 9 a.m.-4 p.m. 4 sessions. University Computing Center 123.

Section 502: Thursdays, January 25 and February 8, 6-9 p.m., Saturdays, January 27 and February 10, 9 a.m.-4 p.m. and Mondays, January 29 and February 12, 6-9 p.m. 6 sessions. Hellems 263.

All Sections: \$420.

Introduction to Hands-On C++
CACS 241

A gentle introduction to C++ programming for those who have some background in object-oriented structured programming. This partially self-paced course covers basic I/O, conditionals, loops and an introduction to functions and pointers. Those who are relatively new to programming should have some facility writing simple C++ code by the end of this class. Those with a strong programming background should have the coding of simple C++ programs "wired" and find the pursuit of the more arcane aspects of this language a simpler task. **Prerequisite:** CACS 240 **Introduction to Programming** or equivalent. **Required text:** *C++ How to Program*, Deitel & Deitel.

Charry Stover, M.S.

Section 501: Wednesdays, March 14 and April 4 and Tuesdays, March 20 and April 10 (skip week of March 26), 9 a.m.-4 p.m. 4 sessions.

Section 502: Thursdays, March 15 and April 5, 6-9 p.m., Saturdays, March 17 and April 7, 9 a.m.-4 p.m. and Mondays, March 19 and April 9, 6-9 p.m. (skip week of March 26). 6 sessions.

All Sections: Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$420.

Intermediate Hands-On C++
CACS 341

This course will cover pointers, arrays, strings, structures and file handling. It is hands-on and partially self-paced. Students should be able to write a C program with functions before taking this class. **Prerequisite:** CACS 241 **Introduction to Hands-On C++** or equivalent. **Required text:** *C++ How to Program*, Deitel & Deitel.

Susan Ramirez, B.S.

Section 500: Saturdays, April 21-May 5, 9 a.m.-4 p.m. 3 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$420.

Introduction to Application Programming
CACS 242

A more intensive first programming course covering the techniques used in designing common algorithms to solve practical problems. Topics include flow of control, functions with parameter passing, data structures, abstract data types, objects, classes, arrays and file I/O. The course combines a lecture and self-paced laboratory format with hands-on programming using Turbo C++. No programming experience is required. **Prerequisite:** CAPC 203 **Windows 95 Level I** or equivalent. **Recommended text:** *Problem Solving With C++*, Savitch.

Tom Harrold, Ed.D.

Section 500: Mondays and Thursdays, January 22-February 15, 6-9 p.m. 8 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$420.

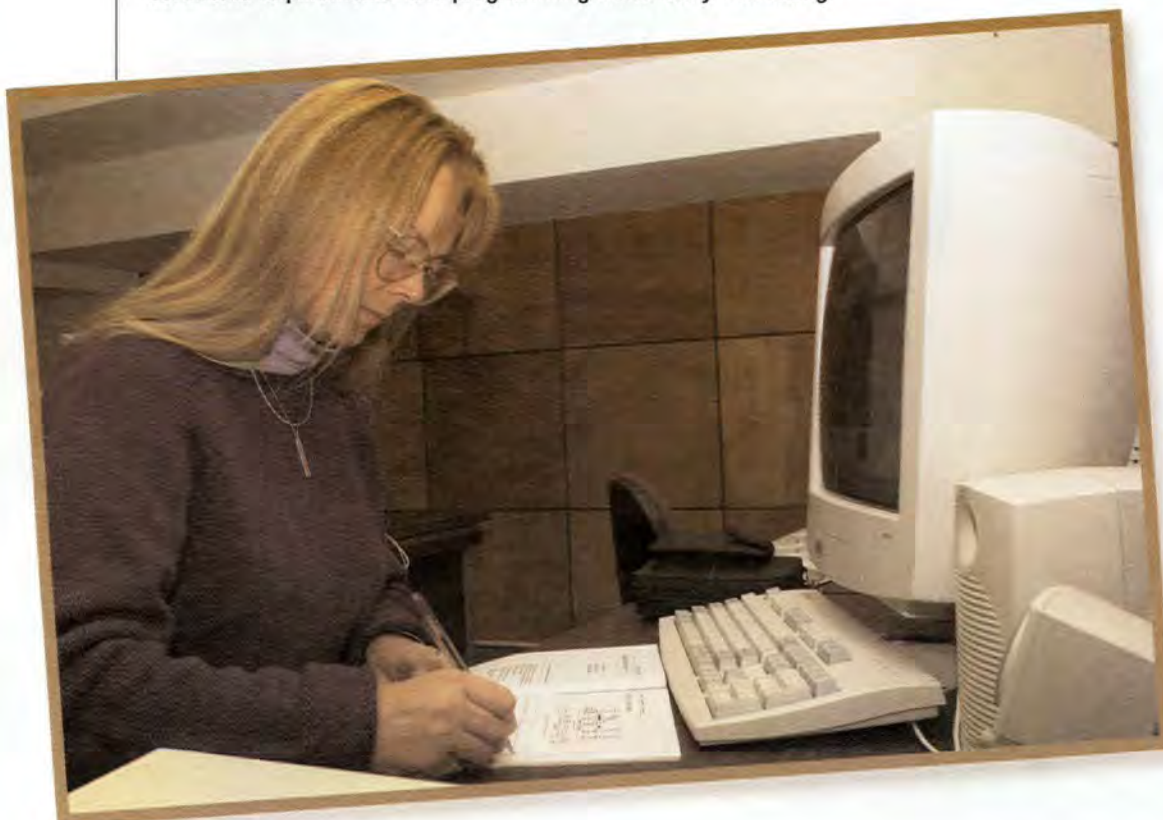
Intermediate Application Programming
CACS 342

Using more advanced programming concepts, students learn to analyze problems encountered and solutions to building larger, more real-world type programs, including criteria for selecting data structures to fit their applications. Object-oriented design is emphasized. Topics include pointers, dynamic data structures (linked lists, queues, stacks, binary trees), recursion, and A/I. Course combines a self-paced laboratory format of hands-on, C++ programming with an in-lab lecture. **Prerequisite:** CACS 242 **Introduction to Application Programming** or equivalent. **Recommended text:** *Problem Solving With C++*, Savitch.

Tom Harrold, Ed.D.

Section 500: Tuesdays, February 27-April 10 (skip March 27), 6-9 p.m. 6 sessions. University Management Systems 001. \$395.

Niamh Hendrick is taking Intro to Windows NT as part of her work toward the Network Certificate program. She says, "I'm making a career change. I started with this to open up new avenues—and it's working. I'm taking classes that are turning up areas of interest I wouldn't have known about. And it's been fun. I'm almost finished with the network certificate requirements—and programming looks really interesting."



☞ *Lecture only; no labs*

Algorithm Design in C and C++ ☞
CACS 355

This course focuses on the application of C and C++ in the design of practical solutions to real-world problems. Topics include sorting and searching, internal data representation, bit manipulation, arrays and pointers, random number generation and an introduction to computer graphics, all within the context of specific program examples. Although rules of C/C++ language syntax are discussed and reinforced, primary emphasis is placed on developing the student's ability to analyze a problem inductively before approaching the computer. **Prerequisite:** CACS 342 **Intermediate Application Programming** or CACS 341 **Intermediate Hands-On C++** or equivalent. Students should also have access to a computer with a text editor, C/C++ compiler and linker (or IDE), plus knowledge of at least high-school level algebra.

David Corbin, M.S.

Section 500: Mondays, March 5-April 30 (skip March 26), 6-9 p.m. 8 sessions. Continuing Education Center (CEDU), Room 140. \$475.

Introduction to Hands-On Visual Basic Programming
CACS 245

Visual Basic is a programming language that allows both beginning and experienced programmers to create custom Windows software without having to write out lines of code. The code is automatically generated as the standard Windows elements are inserted into the program by pointing and clicking with the mouse. The "Visual" (graphical) nature of this software makes it possible to create custom Windows programs relatively quickly and easily. **Prerequisite:** CAPC 303 **Windows 95 Level I** or equivalent.

David Nelson, B.S.

Section 500: Mondays, March 12-April 16 (skip March 26), 6-9 p.m. 5 sessions. University Computing Center 127. \$380.

Intermediate Hands-On Visual Basic Programming
CACS 350

Explore topics designed to expose an intermediate programmer to a wide range of Visual Basic features. All major elements of the language are covered and concepts of an object-oriented, event-driven application are introduced. Implement a graphical interface that includes pull down and pop up menus; use a wide range of the Visual Basic language elements; code effective event procedures; interact with mouse events; and use a variety of standard and custom Visual Basic controls. Understand the range of applications that are possible. **Prerequisite:** CACS 245 **Introduction to Hands-On Visual Basic Programming** or equivalent.

Steve Kaminski, M.S.E.E.

Section 500: Saturdays, April 28-May 12, 9 a.m.-4 p.m. 3 sessions. University Computing Center 127. \$395.

Introduction to Object-Oriented Programming in C++ ☞**CACS 244**

C++ is an extension of the C language that supports object-oriented (O-O) programming. This course will focus on the essential concepts underlying O-O programming (data abstraction, inheritance, polymorphism) and will show how these are supported in C++ (classes and objects, member functions, virtual functions). Features of C++ that are not directly related to O-O programming (constants, function overloading, default arguments and inline functions) will also be covered. **Prerequisite:** proficiency in C programming is required. Programmers should be comfortable with structures, pointers, arrays, dynamic memory allocation, string handling and the C pre-processor. Familiarity with object-oriented programming is not a prerequisite.

Recommended text: *The C++ Programming Language*, 3rd Edition, Stroustrup.

P. Jensen, M.S.

Section 500: Mondays, January 22-February 19, 6-9 p.m. 5 sessions. Humanities 370. \$420.

Software Project Planning ☞
CACS 249

Software projects are more than designing and writing code. Successful software projects are those that coordinate the activities of developers, marketers, quality assurance engineers, technical writers and other team members to solve complete real-world problems. This course will cover successful software project planning, including requirements analysis, project scheduling, risk management, quality assurance, testing, and team coordination. A variety of approaches will be discussed, including iterative, RAD, spiral, and waterfall methodologies, with an in-depth look at an object-oriented, iterative approach. The class will introduce the use of light-weight software planning tools, particularly Microsoft Project. **Prerequisite:** Knowledge of C++ or Java **Programming** or equivalent. **Required text:** *Software Project Survival Guide*, McConnell. R. Wolniewicz, Ph.D.

Section 500: Mondays, January 22-February 19, 6-9 p.m. 5 sessions. Stadium 140. \$420.



☞ *Lecture only; no labs*

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PROGRAMMING-CONT.**Intermediate/Advanced C++ Programming
CACs 344**

This course continues the treatment of C++ and object-oriented programming. It covers features that are needed in production programming: static members, abstract base classes, protected access, friends and arrays of objects. Another aspect of production C++ programming is the process by which programs are built: header files, type-safe linkage and linking with C code. More specialized material will then be covered: operator overloading and references, and initialization versus assignment. The second half of the course covers multiple inheritance, templates and exceptions in detail, and introduces the Standard Template Library (STL). The subtle question of which kind of problems really need multiple inheritance, and the language complexities of virtual base classes will be addressed. Templates (generic types) are more straightforward, but require skill for their effective use. Exception handling policies and mechanisms, and the STL concept of "generic programming" (iterators, collections and algorithms) will be covered. **Prerequisite:** CACS 244 *Introduction to Object-Oriented Programming in C++* or equivalent. **Recommended text:** *The C++ Programming Language*, 3rd Edition, Stroustrup.

R. Wolniewicz, Ph.D. and P. Jensen, M.S.

Section 500: Mondays, February 26-April 23 (skip March 26), 6-9 p.m. 8 sessions. Stadium 140. \$475.

**C++ Gotchas
CACs 444**

Production C++ programming is complicated by numerous features of the language that behave or interact in unexpected ways - "the Gotchas". Gotchas appear in all parts of the language. They affect the correctness, efficiency and portability of C++ software and may cost programmers additional development time to track down obscure bugs. A modest investment in understanding the Gotchas will repay itself many times over. This one-day lecture class presents a collection of over 50 Gotchas (and techniques for avoiding them) from different parts of the language, including constructors and destructors, function and operator overloading, scope, access control, arrays, const, references, inheritance and virtual functions, type-safe linkage, operators new and delete, initialization, multiple inheritance, virtual base classes and templates. **Prerequisite:** CACS 344 *Intermediate/Advanced C++ Programming* or equivalent.

R. Wolniewicz, Ph.D. and P. Jensen, M.S.

Section 500: Saturday, April 28, 9 a.m.-4 p.m.
1 session. University Computing Center 123.
\$160.

**Object-Oriented Design Patterns
CACs 345**

Designers of object-oriented software have compiled many common architectural solutions to common problems, known as "design patterns". A pattern captures a recurring micro-architecture described in terms of how objects interact to perform a computation. Learning these patterns helps programmers evaluate, communicate, review and implement software designs more effectively. The patterns form a catalog of reusable architectural mechanisms (not a body of reusable source code). This one-day lecture class will explain the design pattern concepts, terminology and benefits and will present a number of fundamental patterns. **Prerequisite:** familiarity with object-oriented programming or an introduction to object-oriented programming class such as CACS 244 *Introduction to Object-Oriented Programming in C++* or CACS 247 *Introduction to Object-Oriented Programming Using Java*.

Recommended text: *Object-Oriented Design Patterns*, Gamma, et al.

David Rodenbaugh, B.A.

Section 500: Saturday, March 17, 9 a.m.-4 p.m.
1 session. University Computing Center 123.
\$160.

**Object-Oriented Analysis and Design
CACs 445**

This workshop combines lecture and student participation to give you a firm grounding in the fundamental precepts of object-oriented analysis and design. This course will be useful for anyone wondering "how to find the objects". Upon completion, you will have an excellent foundation to get the most out of C++ and Java or other object-oriented languages. Class size limited to 15 students. **Prerequisite:** CACS 244 *Introduction to Object-Oriented Programming in C++* or CACS 247 *Introduction to Object-Oriented Programming Using Java* or equivalent. Students should be comfortable programming with objects.

Greg Holling, B.S.

Section 500: Saturdays, February 24 and March 3, 9 a.m.-5 p.m. 2 sessions. University Computing Center 123. \$465.



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☞ *Lecture only; no labs*

Introduction to Object-Oriented Programming Using Java CACS 247

This course introduces object-oriented programming to programmers familiar with procedural programming but not object-oriented concepts. Focus is on the essential concepts underlying O-O programming (data abstraction, inheritance and polymorphism) and how these are supported in Java (classes and objects, methods, dynamic method binding). We study the `java.util` package's data structures and collection classes. We also introduce GUI and applet programming. The format is lecture with lab assignments to be completed between classes. **Prerequisite:** CACS 342

Intermediate Application Programming or intermediate level experience with any procedural programming language. Basic programming concepts will not be covered.

Recommended text: *Just Java*, Peter van der Linden.

Carol J. Meier, M.S.

Section 500: Mondays, January 22-March 5, 6-9 p.m. 7 sessions. Humanities 1B80. \$470.

Java for Object-Oriented Experienced Programmers CACS 347

This in-depth look at the Java programming language begins with an overview of the Java language then rapidly covers the basics and progresses to inheritance, packages and interfaces and exceptions. Details of the type system, compilation model and the dynamic character of the execution model are emphasized. Students will acquire production Java programming skills. Use of standard Java library packages is illustrated throughout the course. Programming exercises are provided for pursuit between classes. **Prerequisite:** CACS 247 **Introduction to Object-Oriented Programming Using Java** or experience with object-oriented programming, including inheritance and polymorphism is required. Those with no object-oriented programming experience should start with CACS 247. **Recommended text:** *The Java Programming Language*, Arnold & Gosling. Dave Rodenbaugh, B.A.

Section 500: Mondays, March 12-May 7 (skip March 26), 6-9 p.m. 8 sessions. Humanities 1B80. \$475.

Anna Rivas is taking Application Programming because "I've been interested in moving into programming and I was interested in several languages. This course is short but thorough. I like the hands-on lab aspect—it's not just lecture, I'm actually writing code as I learn. It's a lot to pack into a short period of time but I don't feel it's overwhelming. For me, it's an opportunity to dip my toes in the water, to get a peek at the C++ world without making a semester-length commitment. I like that."

☞ **Lecture only; no labs**

Advanced Java Programming Language Topics CACS 447

This course examines Java language features in depth. It presents the basic, coarse granularity and thread lifecycle model with specific emphasis on portability: class thread and related material. This is followed by the fine-grain thread synchronization model for concurrent programming: the synchronized keyword. An inner class is nested within another class; this nesting creates a tight coupling which reduces the usual housekeeping needed for a "helper" class. Reflection lets Java code "observe itself", discovering and manipulating its classes, fields, methods and constructors entirely at run-time. The mechanism enables many powerful dynamic programming techniques. The course will also look at how Java supports serialization for object persistence and object distribution. **Prerequisite:** CACS 347 **Java for Object-Oriented Experienced Programmers** or equivalent.

Tom Cargill, PhD.

Section 500: Mondays, February 19-March 19, 6-9 p.m. 5 sessions. Humanities 135. \$420.

Advanced Java Library Topics CACS 448

This course examines some Java libraries in more depth. The complexity of the `java.io` package is tamed by understanding its symmetry and use of the (GOF) Decorator design pattern. The `java.net` section covers both client and server stream and datagram communication using Internet protocols. Other topics will include some of the following: Remote Method Invocation, CORBA, the `java.sql` package for relational data base access based on ODBC, Java native interfaces to allow Java to front-end code in existing C-linkable languages and JNI. **Prerequisite:** CACS 347 **Java for Object-Oriented Experienced Programmers** or equivalent.

George Watson

Section 500: Mondays, April 2-30, 6-9 p.m. 5 sessions. Humanities 335. \$420.



PROGRAMMING-CONT.**Network Embedded Java Programming** ☞
CACS 450

This course provides a hands-on introduction to programming network-enabled embedded computers in Java. The course will focus on Dallas Semiconductor's TINI board, <http://www.ibutton.com/TINI/index.html>. Outline: Embedded programming principles, the TINI platform (hardware/firmware/software), provisioning, interfacing, programming and deploying a TINI application. See <http://www.profcon.com/profcon/tini/conted> for further details, particularly about the hardware that students must acquire prior to class. **Prerequisites:** Java programming at the level of CACS 447 Advanced Java Programming Language Topics and CACS 448 Advanced Java Library Topics or equivalent.

Tom Cargill, Ph.D. and George Watson

Section 500: Mondays, January 22-February 12, 6-9 p.m. 4 sessions. Humanities 245. \$395.

GUI Programming in Java ☞
CACS 348

This course covers GUI programming for stand-alone applications and applets on web pages, using Swing and the Java Foundation Classes. Fundamental topics include: the AWT, components, events, graphics, images and layout management. Swing topics include: model-view-controller, standard dialogs, menus, toolbars, splitter panes, tabbed panes, simple & advanced text components, trees and tables. This is an intermediate level Java course that requires a solid working knowledge of interfaces.

Prerequisite: CACS 347 Java for Object-Oriented Experienced Programmers or equivalent.

Geoff Thompson, M.S.

Section 500: Tuesdays, January 23-March 13, 6-9 p.m. 8 sessions. Humanities 180. \$475.

Developing Web Applications in Java ☞
CACS 360

Web applications are a form of client/server program which use a browser to view HTML generated dynamically by a web server interacting with a server-side application. web applications are the core component of web-based e-commerce and business-to-business transactions. Java is a perfect fit because it enables web applications that are platform and web server independent. Topics include: HTTP, servlet fundamentals and advanced topics, JavaServer pages using JavaBeans, architectural choices, JDBC and Enterprise JavaBeans. **Prerequisites:** CACS 347 Java for Object-Oriented Experienced Programmers and familiarity with HTML or equivalent.

Geoff Thompson, M.S., and Greg Holling, B.S.

Section 500: Mondays, January 22-March 12, 6-9 p.m. 8 sessions. Humanities 270. \$475.

Java Servlets ☞
CACS 248

Servlets are a Java-based tool for communicating with web browsers. They are faster and more secure than CGI, and more portable and stable than many of the competing technologies. In this one-day course the following will be covered: What a servlet is; HTTP/HTML and their relationship to servlets; the servlet life cycle; multimedia content; session tracking and logging; security; database connectivity and JDBC; communicating with applets; complementary technologies such as RMI, EJB, Java Server Pages (JSP); and competing technologies such as COM/DCOM/ActiveX and Active Server Pages (ASP). **Prerequisite:** CACS 247 Introduction to Object-Oriented Programming Using Java or equivalent. Some experience with HTML and/or JavaScript will also be helpful, but is not required.

Greg Holling, B.S.

Section 500: Saturday, April 7, 9 a.m.-4 p.m. 1 session. University Computing Center 123. \$160.

Perl for Programmers
CACS 250

Perl has become the standard for CGI (Common Gateway Interface) programming on the Web. However, its use goes beyond CGI and is indispensable to systems administrators, programmers, and computer users alike. Statements, variables and arrays, operators, I/O, control structures, tests and conditions, regular expressions and the basics of CGI will be covered. This course will be more in-depth than an introduction to Perl, but will not cover modules and objects. It is not intended to teach general programming concepts; therefore, students should know another programming language (i.e. C, C++, Cobol, or UNIX shell scripting). **Prerequisite:** CACS 240 Introduction to Programming or equivalent.

Joyce Evans, B.A.

Section 501: Mondays and Thursdays, February 12-26, 6-9 p.m. 5 sessions. University Management Systems 001.

Lynn Schaper, B.A.

Section 502: Tuesdays, April 3-May 1, 6-9 p.m. 5 sessions. University Computing Center 127.

All Sections: \$420.

50



☞Lecture only; no labs

**Extensible Mark-up Language (XML) ☞
CACS 330**

Extensible Mark-up Language (XML) is a W3C standard for encoding and self-describing data. It is designed to ease the interchange of diverse types of data across a variety of platforms and applications, including the WWW. This course presents a detailed introduction to XML and its related alphabet soup: DTD (for specifying document types), XSL (for stylesheets), Xlink (for links) and Xpointer (for pointers), DOM (for object tree construction) and SAX (for event-based parsing). The presentation will be technical, suitable for application programmers.

Prerequisite: Knowledge of programming (preferably in Java) or CACS 247 Introduction to Object-Oriented Programming Using Java or equivalent. Detailed knowledge of SGML and HTML are not required.

Brian DeCamp, B.S.

Section 500: Tuesdays and Thursdays, April 10-19, 6-9 p.m. 4 sessions. Humanities 1B80. \$395.

**THE PC
AND MACINTOSH
SYSTEMS**

(All courses on the PC and Macintosh platforms will be listed together in this section.)

**Windows 95 Level I
CAPC 203**

If you are entirely new to the Windows environment, this class will help you explore the many features of this friendly user interface. Learn how to locate, access and organize files, associate files with programs, and open, close and switch between applications. Other features examined include multitasking, properties, plug and play and multimedia. **Prerequisite:** CACS 100 Computer Literacy or equivalent.

Lisa Kelly, B.A.

Section 501: Wednesdays, January 24 and 31, 6-9 p.m. 2 sessions. University Computing Center 127.

Issy Kilbride

Section 502: Thursday, February 8, 9 a.m.-4 p.m. 1 session. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

All Sections: \$145.

**Windows 98 Level I
CAPC 205**

If you are entirely new to Windows or have upgraded from Windows 95 to Windows 98, this class will compare enhancements that make Windows 98 a stronger operating environment. Learn how to locate, access and organize files, associate files with programs and open, close and switch between applications. Other features examined include multitasking, properties, and what's new in 98. **Prerequisite:** CACS 100 Computer Literacy or equivalent.

Lisa Kelly, B.A.

Section 500: Tuesdays, February 6 and 13, 6-9 p.m. 2 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$145.

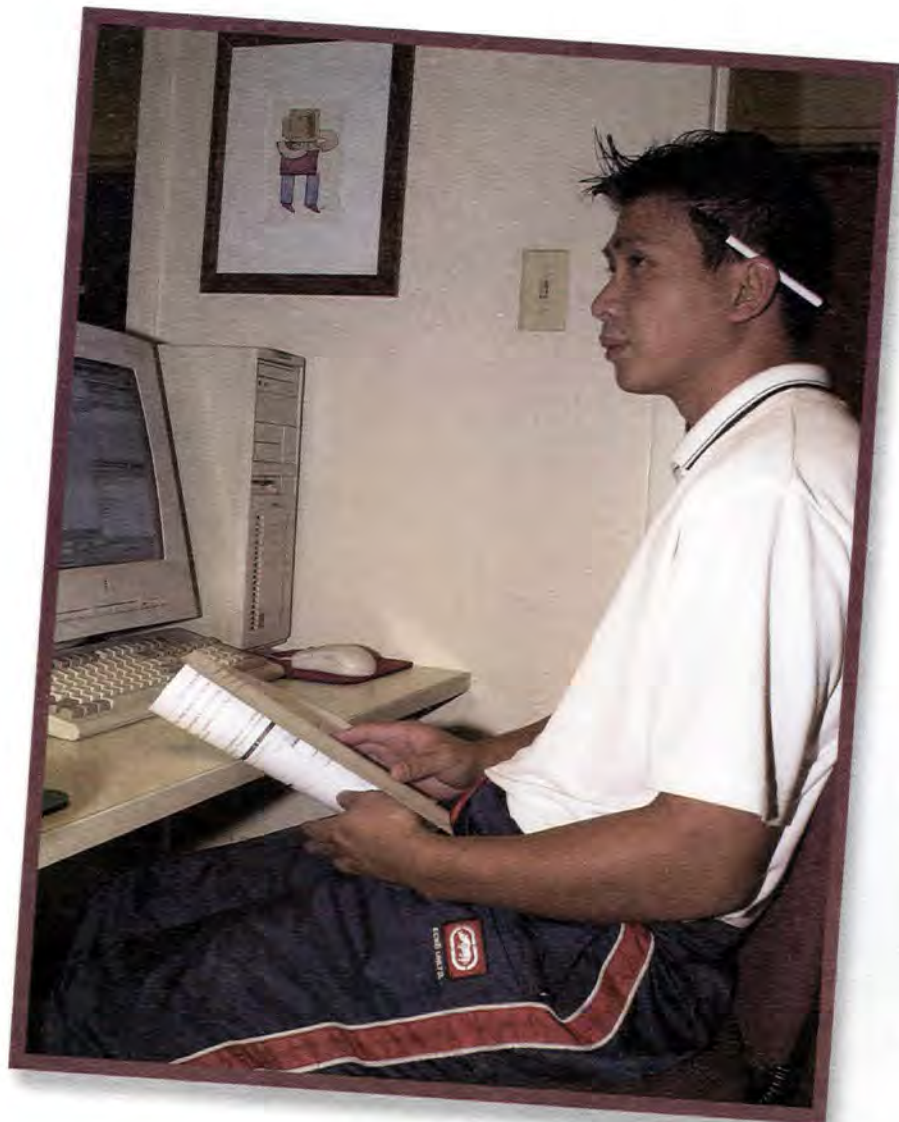
**OFFICE PACKAGES
Word Processing****Word 97 Level I
CAPC 213**

Learn to create a simple document. Printing, selecting, moving, copying and deleting text, changing fonts and point size and the bold, italics and underline features will be covered. Other topics include inserting special characters, creating bulleted and numbered paragraphs, changing margins, setting tabs, using spell check and the help system. Explore the integrated features including extended filenames, desktop shortcuts and enhanced auto correct. **Prerequisite:** CAPC 203 Windows 95 Level I or equivalent.

Lisa Kelly, B.A.

Section 500: Thursdays, January 25 and February 1, 9 a.m.-2:30 p.m. 2 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$180.

Jimmy Do is taking the Dreamweaver class "for work. I build web sites and I'm also trying to get the web site certificate through Continuing Education." He says the class is excellent, in fact, he likes all of the computer applications classes he's taken so far.



☞ **Lecture only; no labs**

OFFICE PACKAGES-cont**Word 2000 Level I
CAPC 214**

Learn to create a simple document. Printing, selecting, moving, copying and deleting text, changing fonts and point size and the bold, italics and underline features will be covered. Other topics include inserting special characters, creating bulleted and numbered paragraphs, changing margins, setting tabs, using spell check and the help system. Explore the integrated features including extended filenames, desktop shortcuts and enhanced auto correct. **Prerequisite:** CAPC 203 Windows 95 Level I or equivalent.

Chris Mattson, B.S.

Section 501: Thursdays, February 8 and 15, 9 a.m.-2:30 p.m. University Computing Center 127.

Issy Kilbride

Section 502: Tuesdays, February 20 and 27, 9 a.m.-2:30 p.m. University Computing Center 127.

All Sections: 2 sessions. \$180.

**Word 2000 Level II
CAPC 314**

Create professional looking documents by learning the difference between page layout and normal mode. Learn headers and footers, page numbering and tables. Use the mail, envelope and label merge and sort functions. Work with toolbars and choose from over 30 professionally created templates. **Prerequisite:** CAPC 214 Word 2000 Level I or equivalent.

Chris Mattson, B.S.

Section 500: Tuesday and Thursday, February 20 and 22, 1-4 p.m. 2 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$145.

Spreadsheets**Excel 97 Level I
CAPC 234**

Learn basic spreadsheet design and construction, file management, formulas, functions, worksheet editing, formatting and printing. Explore the integrated features of this version including extended filenames, easier number formatting, and enhanced drag and drop. **Prerequisite:** CAPC 203 Windows 95 Level I or equivalent.

Lisa Kelly, B.A.

Section 500: Tuesday, February 6, 9 a.m.-4 p.m. 1 session. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$145.

**Excel 2000 Level I
CAPC 235**

Learn basic spreadsheet design and construction, file management, formulas, functions, worksheet editing, formatting and printing. Explore the integrated features of this version including extended filenames, easier number formatting, and enhanced drag and drop. **Prerequisite:** CAPC 203 Windows 95 Level I or equivalent.

Issy Kilbride

Section 500: Wednesday, March 7, 9 a.m.-4 p.m. 1 session. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$145.

**Excel 97 Level II
CAPC 334**

Use the search and replace function, the date function, hiding columns and protecting cells using absolute referencing and ranges. Explore the wealth of graphic features! Learn about integrated features such as desktop shortcuts, linking and templates for data tracking, expense tracking and financial planning. **Prerequisite:** CAPC 234 Excel 97 Level I or equivalent.

Lisa Kelly, B.A.

Section 500: Tuesday, March 13, 9 a.m.-4 p.m. 1 session. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$145.

**Excel 2000 Level II
CAPC 335**

Use the search and replace function, the date function, hiding columns and protecting cells using absolute referencing and ranges. Explore the wealth of graphic features! Learn about integrated features such as desktop shortcuts, linking and templates for data tracking, expense tracking and financial planning. **Prerequisite:** CAPC 235 Excel 2000 Level I or equivalent.

Chris Mattson, B.S.

Section 500: Thursday, March 22, 9 a.m.-4 p.m. 1 session. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$145.

**Excel 2000 Level III
CAPC 435**

Use the database capabilities of sort, filter, advanced filter and subtotals. Use Pivot tables and learn to write and edit macros to automate repetitive tasks. As time allows, popular functions such as IF, LOOKUP, ROUND and others will be covered. **Prerequisite:** CAPC 335 Excel 2000 Level II or equivalent.

Chris Mattson, B.S.

Section 500: Monday, April 9, 9 a.m.-4 p.m. 1 session. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$145.



...task was and...
...the creation of an... face which
...express both modern... graphic ideals
...+ traditional work of the 17th...
...ish writing

**Excel 97 Level II-Features Track Online
CAPC 334**

The focus of this track is on Outlining, Charting/Graphing, Data (base) Manipulation, Import/Export, and other features. A corollary track called the Math Track covers calculating and checking results. Topics include: review of Excel basic features (Workbook and worksheet manipulation, editing, copying, and moving cells, absolute and relative references, basic formulae, and cell and cell content formatting); charting and graphing results; summarizing and outlining information; building, sorting, and extracting information from spreadsheet databases; importing and exporting information. Note: The first week of this course is a review. Individuals who sign up for this course are expected to be comfortable with their skill in the areas covered in the review. The course is conducted entirely online. **Prerequisite:** CAPC 234 Excel 97 Level I or equivalent. Must have access to WWW ready computer.

Sid Eaton

Section 51W: January 16-February 16. \$200.

**Excel 97 Level II-Math Track Online
CAPC 334**

The focus of this track is on calculating and checking results. A corollary track called the Features Track covers Outlining, Charting/Graphing, Data (base) Manipulation, Import/Export, and other features. Topics include: review of Excel basic features (Workbook and worksheet manipulation, editing, copying, and moving cells, absolute and relative references, basic formulae, and cell and cell content formatting); using Excel functions including math, financial, date/time, logical, and lookup; working with cell reference labels and names; working with tables and arrays; basic auditing/checking your results. Note: The first week of this course is a review. Individuals who sign up for this course are expected to be comfortable with their skill in the areas covered in the review. The course is conducted entirely online. **Prerequisite:** CAPC 234 Excel 97 Level I or equivalent. Must have access to WWW ready computer.

Sid Eaton

Section 52W: February 27-March 30. \$200.

Steve Van Schouwen is a systems specialist for HBG Constructors in Longmont. He is taking Intermediate Applications programming as part of the requirements for the Programming certificate, a project he's tackled because it will "increase my skill set and allow me to get into new areas." He says the program is great and the labs are excellent. "They've got the latest equipment, the latest compilers." He especially likes the fact that you can complete all of the requirements through evening classes, a real convenience factor for busy people.

Presentations**PowerPoint 97
CAPC 221**

Learn to create, edit and print exciting presentations using built-in features and tips/tricks in minutes! Enhance various slides with ClipArt drawings and user created polygons. Create bar or pie graphs to represent your numeric data and bullet and text charts with snazzy fonts and other attributes. Create sleek organizational charts and work with different color schemes. **Prerequisite:** CAPC 213 Word 97 Level I or equivalent.

Chris Mattson, B.S.

Section 500: Wednesday, March 7 and 14, 9 a.m.-2:30 p.m. 2 sessions. University Computing Center 127. \$180.

DATABASES**Access 97 Level I
CAPC 255**

Create and edit databases, manipulate data elements and create summary reports in a few easy-to-learn steps. Build on the principles of good data management and design to enter, organize, access and report virtually unlimited amounts of information. Explore the tips and tricks along with integrated features including object naming, desktop shortcuts, intelligent tables, Queries and improved form and report wizards.

Prerequisite: CAPC 203 Windows 95 Level I or equivalent.

Issy Kilbride

Section 501: Mondays, February 5 and 12, 9 a.m.-4 p.m. 2 sessions. University Computing Center 127. \$210.

**Access 2000 Level I
CAPC 256**

Create and edit databases, manipulate data elements and create summary reports in a few easy-to-learn steps. Build on the principles of good data management and design to enter, organize, access and report virtually unlimited amounts of information. Explore the tips and tricks along with integrated features including object naming, desktop shortcuts, intelligent tables, Queries and improved form and report wizards.

Prerequisite: CAPC 203 Windows 95 Level I or equivalent.

Chris Mattson, B.S.

Section 500: Wednesdays, February 21 and 28, 9 a.m.-4 p.m. 2 sessions. University Computing Center 127. \$210.

**Access 97 Level II
CAPC 355**

Use your basic skills and concepts to begin to explore more advanced features of Access including action queries and table relationship types, security and rules. The course will introduce the student to the concepts of application development including drop down list, sub-form, command buttons, macros, properties and calculated form and report controls. **Prerequisite:** CAPC 255 Access 97 Level I or equivalent.

Chris Mattson, B.S.

Section 500: Tuesday, March 6, 9 a.m.-4 p.m. 1 session. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$160.



DATABASES-cont**Access 2000 Level II
CAPC 356**

Use your basic skills and concepts to begin to explore more advanced features of Access including action queries and table relationship types, security and rules. The course will introduce the student to the concepts of application development including drop down list, sub-form, command buttons, macros, properties and calculated form and report controls. **Prerequisite:** CAPC 256 Access 2000 Level I or equivalent.

Chris Mattson, B.S.

Section 500: Monday, April 2, 9 a.m.-4 p.m.
1 session. University Management Systems 001.
\$160.

**Database Design Concepts
CAPC 357**

Learn insights into the processes of planning a database. The class introduces the concepts of "Normalization" and the first three normal forms. Emphasis is placed on the design and use of a flat, unnormalized table converted to related tables of data into a balanced system that can be used for data input and maintenance. Access for Windows will be the application software for lab exercises. **Prerequisites:** CAPC 255 Access 97 Level I or equivalent and a good working knowledge of the Windows 95 interface. A basic understanding of Excel for Windows is recommended.

Chris Mattson, B.S.

Section 500: Mondays, March 12 and 19, 9 a.m.-4 p.m. 2 sessions. University Management Systems 001. \$210.

**Relational Database Concepts and SQL
Programming
CAPC 358**

This course provides an introduction to relational databases and the Structured Query Language (SQL). These topics will be explored using a simulated college registration database. Students in the course will assume the role of data analysts asked to provide college administrators with management information.

Considerable attention will be placed on the construction, testing, debugging, and simplification of SQL programs. The course also examines selected topics in the design and development of relational databases, as background for a better understanding of why SQL functions the way that it does. Important notes: 1) This course emphasizes database use rather than database administration; 2) The course utilizes Oracle SQL and SQL *Plus. **Prerequisite:** CAPC 255 Access 97 Level I or previous experience with databases.

Gary Lewis, Ed.D.

Section 500: Mondays and Thursdays, March 5-April 9 (skip March 26 and 29), 6-8 p.m.
9 sessions. University Management Systems 001.
\$265.

DESKTOP PUBLISHING**QuarkXPress for Windows 95 Level I
CAPC 273**

Create page layouts quickly and easily, manipulate graphics and text in basic page composition functions that are easy to understand and use. The class addresses issues of typography, graphic image file formats and camera-ready production. **Prerequisite:** CAPC 213 Word 97 Level I or equivalent.

Tim Meehan

Section 500: Tuesdays, April 17 and 24, 9 a.m.-5 p.m. 2 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$240.

COMPUTER GRAPHICS**Windows Computer Art
CAPC 280**

This course is an overview of the various Windows based graphics programs. This course will cover drawing programs in Windows and Microsoft Works. It will include an overview of illustration applications such as Adobe Illustrator and CorelDRAW! **Prerequisite:** CAPC 203 Windows 95 Level I or equivalent.

Jerry Reynolds, M.S.E.E.

Section 500: Tuesdays, January 23 and 30, 6-9 p.m. 2 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$155.

**Macintosh Computer Art
CAMC 280**

Spray cans, paint brushes and buckets of paint appear and disappear. And no mess to clean up when you're done! Discover electronic graphic design with object-oriented and bit-mapped design capabilities. With training in scanning and laser printing plus instruction in aesthetics of electronic imaging, you'll be ready to make your own camera-ready images. **Prerequisite:** students **must** have a basic working understanding of the Macintosh system.

Barry Ratliff, M.F.A.

Section 500: Thursdays, February 1 and 8, 6-9 p.m. 2 sessions. Humanities 1B35. \$155.



**Photoshop for Windows 98 Level I
CAPC 282**

Learn to use the premier photographic editing application. Learn basic scanning techniques and how best to capture your photos. The basic skills of photo editing are taught in this course. Special attention will be given to web site requirements.

Prerequisite: CAPC 280 Windows Computer Art or equivalent.

Jerry Reynolds, M.S.E.E.

Section 501: Mondays, February 12 and 19, 9 a.m.-4 p.m. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Section 502: Monday and Thursday, February 26 and March 1, 9 a.m.-4 p.m. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date).

Thomas White

Section 503: Saturdays, February 17 and 24, 9 a.m.-4 p.m. University Management Systems 001.

All Sections: 2 sessions. \$210.

**Photoshop for Windows 98 Level II
CAPC 382**

Learn advanced photo editing techniques. Sharpen your skills on scanning and image editing. Edit your photos and drawings to achieve professional quality work. Learn prepress and production techniques. Learn requirements for web site applications. **Prerequisite:** CAPC 282 Photoshop for Windows 98 Level I or equivalent.

Jerry Reynolds, M.S.E.E.

Section 500: Mondays, March 12 and 19, 9 a.m.-4 p.m. 2 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$210.

Jennifer Mueller is a technical writer who does developer documentation for Vidiom Systems in Boulder, a company that provides consulting services in the digital television industry. She's taking a few classes in the Programming certificate sequence "to bring my career to the next level and have a better understanding of what it is that I'm doing." She says the first two classes have been "really helpful—every day I learn something I can use the next day at work." Next up? Two Java classes.

**Photoshop for Macintosh Level I
CAMC 282**

Learn to use "standard photographic manipulation" of electronic images and how to create special effects using filters, paint tools, masking and image overlay. In addition, investigate output options such as color proofs and separations.

Prerequisite: CAMC 280 Macintosh Computer Art or equivalent. **Recommended text:** *Adobe Photoshop 5.0 Classroom in a Book*.

Tim Meehan

Section 501: Tuesdays, February 20-March 20 (skip March 13), 6-9 p.m. 4 sessions.

Section 502: Wednesdays, April 4-25, 6-9 p.m. 4 sessions.

All Sections: Humanities 1B35. \$210.

**Photoshop for Macintosh Level II
CAMC 382**

Expand your knowledge of this application by gaining a greater understanding of its use from a production point of view. Learn pre-press techniques and quality control that can help avoid costly mistakes and time consuming duplication.

Prerequisite: CAMC 282 Photoshop for Macintosh Level I or equivalent. **Recommended text:** *Official Adobe Photoshop 5.0 Studio Techniques*, Willmore.

Tim Meehan

Section 500: Saturdays, April 7 and 14, 9 a.m.-4 p.m. 2 sessions. Humanities 1B35. \$210.

**Illustrator for Windows 98 Level I
CAPC 283**

Create and edit lines and shapes, combine them into full color illustrations and add stunning text effects. Work can be printed as proofs or separations, or uploaded for web applications. Learn how to take photos from Adobe Photoshop and integrate them into illustrations using Adobe Illustrator. **Prerequisite:** CAPC 280 Windows Computer Art or equivalent.

Jerry Reynolds, M.S.E.E.

Section 500: Thursdays, April 5 and 12, 9 a.m.-4 p.m. 2 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$210.

Photography courses are available through the Boulder Evening program, page 13, and the Personal Enrichment program, page 29.



COMPUTER GRAPHICS**-cont.****Illustrator for Macintosh Level I
CAMC 283**

Create and edit lines and shapes, combine them into full color illustrations and add stunning text effects. Work can be printed as proofs or separations on paper or film, exported as EPS documents to page layout programs or taken directly into Adobe Photoshop. **Prerequisite:** CAMC 280 Macintosh Computer Art or equivalent.

Recommended text: *Adobe Illustrator for Macintosh Classroom in a Book*, Adobe Press.

Rick Hoyt, B.S.

Section 500: Saturdays, March 3 and 10, 9 a.m.-4 p.m. 2 sessions. Humanities 1B35. \$210.



Jonathan Root moved from Boston to Boulder with a career change (and skiing) on his mind. A chemist with a Masters degree in Ceramic Science, Jonathan has been programming "for years." He is taking some of the courses toward the Programming Certificate "to brush up, to learn C, and to show that I'm serious about this computer stuff." He may take the Java classes next. His objective is to tune up and expand his skills enough to find work in computer applications and continue to get more training on the job. He's impressed with the classes so far and impressed with the CU computer labs. He says, "I've taken some computer classes at Northeastern—and these are better." Taking classes, he adds, is a good way to meet people and get anchored in a new community.

**MULTIMEDIA**

These courses are taught on the Macintosh; however, the applications are consistent on both the PC and Macintosh platforms.

Also see Using Macromedia DreamWeaver to Create Web Sites CACS 434 on page 44 and Motion Graphics Using Flash CACS 260 on page 45.

**Macromedia Director Level I
CAMC 291**

Learn the production of interactive multimedia presentations, including animation, still graphics, voice and sound and text and video. A host of other graphics and sound software will be used. Emphasis will be on high quality presentations and finished productions that will run on both Macintosh and PC platforms. **Prerequisite:** CAMC 280 Basic Macintosh Computer Art or CAPC 280 Windows Computer Art or equivalent.

Tim Meehan

Section 500: Saturdays, February 17 and 24, 9 a.m.-4 p.m. 2 sessions. Humanities 1B35. \$240.

Multimedia Solutions**CAMC 293**

This class introduces the types of equipment and technical considerations used in multimedia productions for CD-ROM and web delivery. The class will explore and be motivated by viewing world-class productions. There will be hands-on experience with graphic animation authoring software. **Prerequisite:** CAMC 280 Macintosh Computer Art or CAPC 280 Windows Computer Art or equivalent. You must have some proficiency in using a Macintosh since this course will be taught in a Macintosh lab.

William Busch

Section 501: Thursdays, February 15-March 15 (skip March 8), 6-9 p.m.

Section 502: Tuesdays and Thursdays, April 3-12, 6-9 p.m.

All Sections: 4 sessions. Humanities 1B35. \$210.

COMPUTER AIDED DESIGN**AutoCAD 2000 Level I****CAPC 261**

Focus on the 2D drafting features of AutoCAD with an emphasis on setting up new drawings including units, limits, scaling, layers, basic drawing construction and editing techniques and the production of hardcopy. You will also learn how to use template drawings and blocks to complete new projects with much less effort! **Prerequisite:** CAPC 203 Windows 95 Level I or equivalent. Some understanding of drafting concepts/techniques is helpful. **Required text:** *AutoCAD 2000, No Experience Required*, David Frey.

David Kingsley

Section 500: Wednesdays, January 24-March 7 (skip February 14), 6-9 p.m. 6 sessions.

Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$370.

AutoCAD 2000 Level II**CAPC 361**

Topics include semiautomatic dimensioning, dimensioning variables, isoplanar grids, prototype drawings, highly useful but less known commands, compatibility with other software, external references, symbol libraries, cross hatching, attributes, and advanced file management. **Prerequisite:** CAPC 261 AutoCAD 2000 Level I or equivalent. **Required text:** *AutoCAD 2000, No Experience Required*, David Frey.

Michael George, BEnvd BArch

Section 500: Mondays and Thursdays, April 16-May 3, 6-9 p.m. 6 sessions. Continuing Education Center (CEDU), Room 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$370.

ARE YOU CONSIDERING A CAREER IN REAL ESTATE?

SEEKING ADVANCEMENT in your current real estate-related occupation? Interested in learning about the real estate and appraisal industry? If so, check us out. Our courses are open to everyone.

KEY PROGRAM FEATURES:

- ❖ a fully accredited curriculum of over 40 courses including all of the required pre-license and license renewal courses for the Colorado real estate and appraisal professions,

- ❖ a top-notch faculty who work in the profession and who practice what they teach,
- ❖ a statewide mandate to serve the entire state of Colorado,
- ❖ a “no fear” registration policy which guarantees you a full refund if you are unable to attend the course you signed up for,
- ❖ a system of early registration (“early bird”) discounts which saves you between 5-20% off the regular course fee.

REAL ESTATE LICENSE REQUIREMENTS

Colorado real estate license law requires that a candidate successfully complete a total of 168 classroom hours, pass the real estate broker’s examination, and submit the appropriate licensing application to the Colorado Real Estate Commission. The six courses which fulfill the classroom requirements – NCRE 007 (48 hours), NCRE 020 (48 hours), NCRE 022 (8 hours), NCRE 029 (24 hours), NCRE 032 (32 hours), and NCRE 034 (8 hours) – are described below.

For more information about these requirements, the state exam, and/or the application process, call the Colorado Real Estate Commission at 303-894-2166.

CURRENT BROKERS:

We also offer license upgrade and license renewal courses.

COURSES

NCRE 007 Real Estate Law and Practice

Designed to teach you the practice of real estate and prepare you for the uniform portion of the real estate broker’s examination, this comprehensive survey of the real estate field is also useful to anyone who desires a basic knowledge of real estate. Topics include real property interests, government controls, deeds, contracts, finance and appraisal, as well as fundamental concepts and vocabulary. 48 hours

NCRE 020 Colorado Contracts and Regulations

This practical course introduces you to Colorado’s license law, regulations, and standard contracts, and prepares you for the state portion of the real estate broker’s examination. We will analyze the standard listing contract, sales contracts, the extension agreement, and the counter-proposal. Our approach emphasizes thoroughly understanding each clause of a contract and properly completing each type of agreement. 48 hours

NCRE 022 Record Keeping and Trust Accounts

In this one-day, 8-hour course you will learn the proper record keeping procedures required by the Real Estate Commission to maintain and account for funds belonging to others. Topics include legal requirements, special areas of concern, and termination of the brokerage relationship. 8 hours

More courses on next page



NCRE 029 Real Estate Closings

You will learn to properly close a real estate transaction, including understanding your responsibilities as a broker, accounting for all funds received and disbursed, and becoming familiar with all related legal documents. You will be introduced to the 6-column worksheet and you will work through at least eight sample closings. 24 hours

NCRE 032 Practical Applications

After learning about real estate principles, regulations, policies, and procedures, this is the course where you learn the realities of working in the profession. It gives you "how to" information on such topics as entering the field, developing your market, establishing a brokerage relationship, showing a property, preparing and presenting an offer, and closing a transaction. 32 hours

NCRE 034 Current Legal Issues

In this one-day, 8-hour course, you will participate in a workshop where you will be applying selected, current real estate statutes and regulations, and discussing important legal issues, developments, and practices. 8 hours

NEW COURSE!

NCRE 099 Exam Preparation

This two-day course will prepare new and current licensees to successfully pass the Colorado portion of the state exam. The state exam is required in obtaining or upgrading a real estate license and may be used in lieu of continuing education credits for license renewal. This course will not provide continuing education credits for license renewal.

APPRAISAL LICENSE REQUIREMENTS

Colorado has four classes of appraisers: Registered, Licensed, Certified Residential and Certified General. A Registered Appraiser is an apprentice-level appraiser who may do mortgage work under the direct supervision of a licensed or certified appraiser (who must approve and sign the work). Candidates must successfully complete at least 75 hours of appraisal education and training, including 15 hours of ethics and standards of practice, pass the Level A licensing exam, and submit a licensing application. The three courses which fulfill the classroom requirements are NCRE 200 (48 hours), NCRE 202 (16 hours), and NCRE 204 (32 hours).

Please contact the Colorado Board of Real Estate Appraisers at 303-894-2166 for additional information and clarification.

CURRENT APPRAISERS:

We also offer license upgrade and license renewal courses.

COURSES

NCRE 200 Registered Appraiser: Basic Appraisal Principles and Procedures

This course is the first of our three-course series designed to meet the basic educational requirements for the Registered Appraiser. It covers 48 hours of appraisal fundamentals and prepares the applicant for the state exam. 48 hours

NCRE 202 Standards and Ethics

This course is designed to meet the 15-hour requirement of standards and ethics for the state and federal law, and is the second of our three-course Registered Appraiser series. Using the case method, students will study the 10 Uniform Standards of Professional Appraisal Practice as promulgated by the Appraisal Foundation. 16 hours

NCRE 204 Basic Appraisal Applications: Residential Case Study

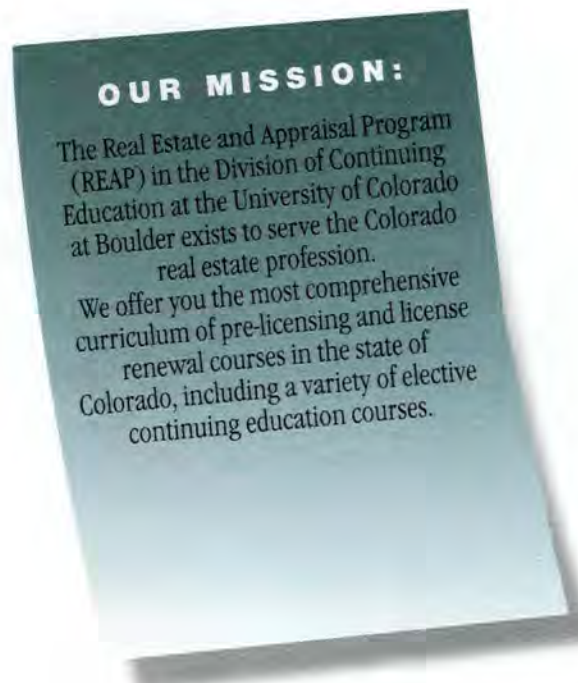
This is the third of our three courses leading to the Registered Appraiser license. It requires you to work through the complete appraisal process for a residential property that is currently on the market, and includes a field trip to the property you will be appraising. Topics to be covered (and practiced) include, but are not limited to, inspection techniques, measuring, sales confirmations, comparable analysis, using the three approaches to value, and preparing narrative addenda. 32 hours

REQUEST A REAL ESTATE AND APPRAISAL CATALOG.

For additional information, course dates, locations, registration, or to be added to our mailing list, contact us at one of the following numbers:

- Metro Denver/Boulder 303-492-5148
- National toll-free 800-331-2801
- FAX 303-492-3962

Or Visit the web site:
www.colorado.edu/conted/RealEstate/



SPECIALIZED PROGRAMS MEET THE NEEDS OF INTERNATIONAL STUDENTS AND MEMBERS OF THE AREA'S HIGH-TECH BUSINESS COMMUNITY.

INTERNATIONAL ENGLISH CENTER

In addition to its intensive, full-time program for international students, the International English Center (IEC) provides evening classes in English as a second language for community residents or interested visitors from other countries. Meeting on Mondays and Wednesdays at a cost of \$280 (text included) for seven weeks, the classes are offered at three different proficiency levels - beginning, intermediate and advanced. Courses in practical writing and pronunciation are offered on Tuesdays and Thursdays for \$280 for seven weeks. For registration information, visit the IEC at 1030 13th Street or call 303-492-5547.

Web: www.colorado.edu/iec

Email: ieccu@colorado.edu

INTERLOCKEN CENTER

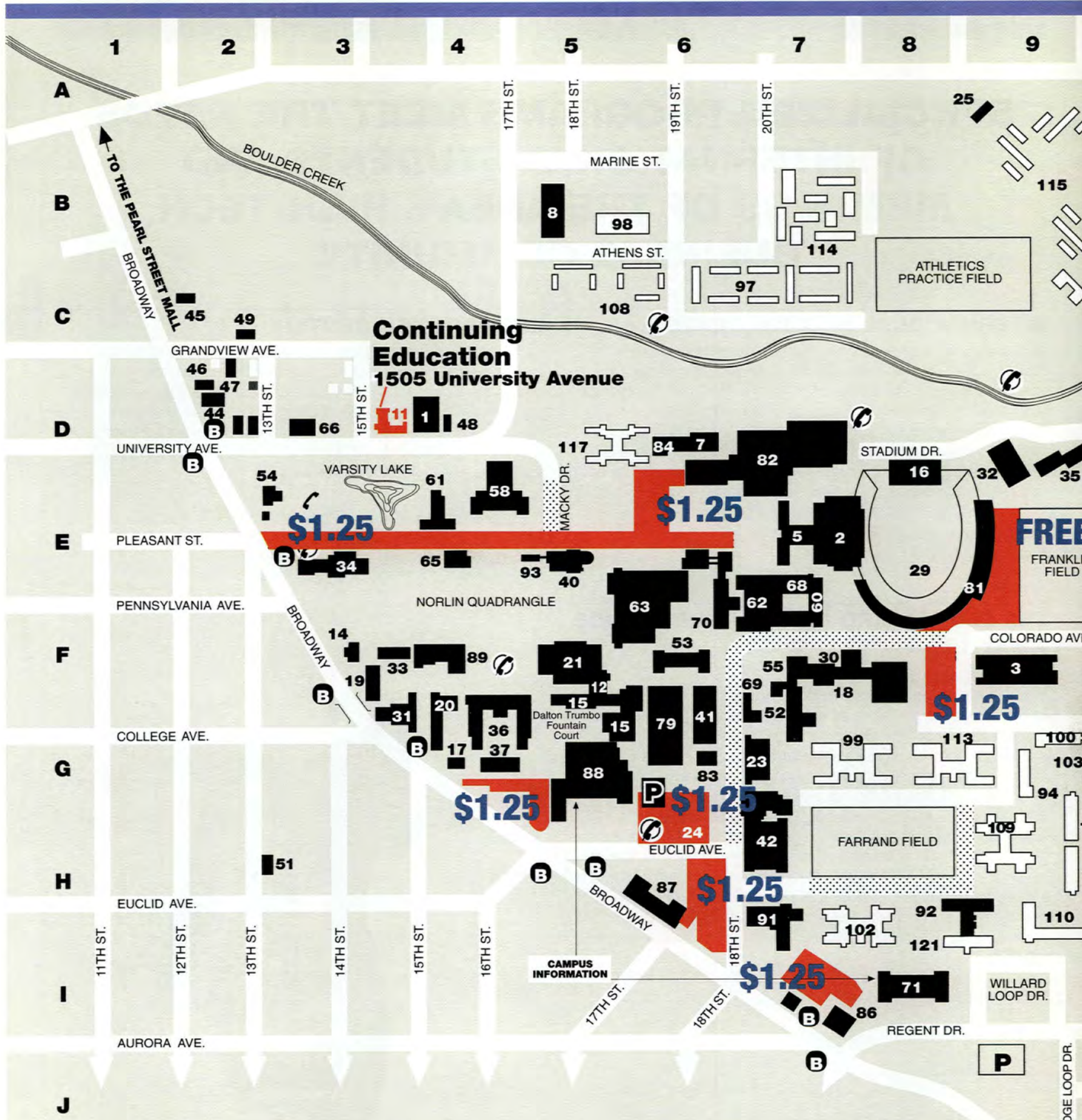
The University of Colorado's Interlocken Center is where the university meets the high-tech pavement, offering world-class faculty, real-world expertise, and premier research facilities to organizations and business professionals. The CU Interlocken Center helps you access the knowledge you need to advance your career. Make the most of your limited schedule with convenient Interlocken classrooms, real-time netcast sessions, on-line study discussion rooms, and results-based curricula.

The Interlocken Center is located at 555 Eldorado Boulevard, Suite 100. Call 303-735-3276 to receive a schedule of courses or visit the web site at www.cu.edu/Interlocken

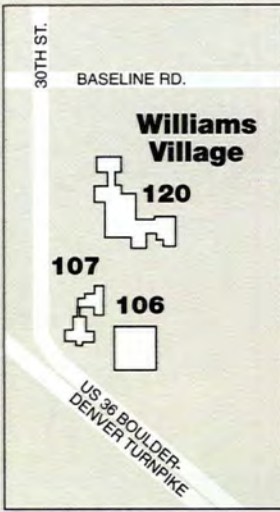
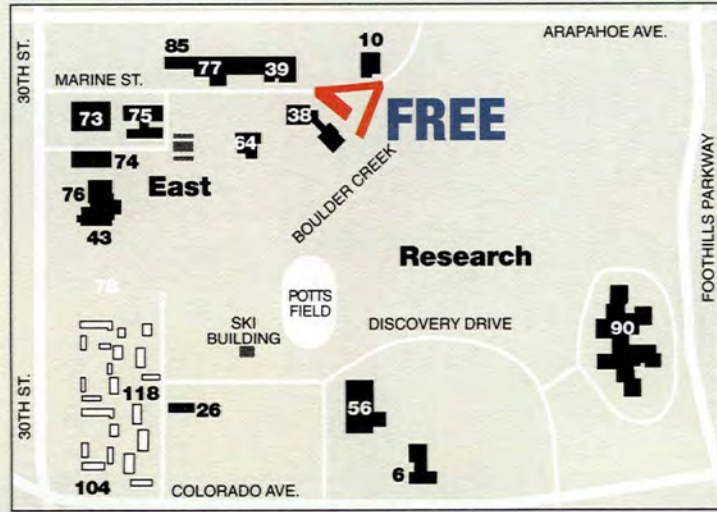
THE 2001 ALLARD CAPITAL CONFERENCE - MAY 16-19

Attend the fourth annual Allard Capital Conference in Washington, D.C., a unique opportunity for Colorado citizens to interact with key policy makers, sponsored by U.S. Senator Wayne Allard and the University of Colorado. Past featured speakers include Alan Greenspan, Chairman of the Federal Reserve Board; Supreme Court Justice Antonin Scalia; George Tenet, Director of the Central Intelligence Agency; Arthur Levitt, Chairman of the Securities and Exchange Commission; Alan Hantman, Architect of the U.S. Capitol; and a bi-partisan group of U.S. Senators. Come away from the conference with a better understanding of how our government works and how to affect public policy makers. Participants are responsible for their own airfare and accommodations plus a non-refundable conference fee. Invitations to apply will be mailed in January. Participant selection will be made in March. For more information, call Continuing Education at 303-492-2202.





Continuing Education
1505 University Avenue



Legend

- Streets (many main campus streets are limited access during certain hours)
- Limited access streets
- Major buildings
- Housing (residence halls and family housing)
- Pedestrian/bicycle underpass
- FREE** Free parking after 5 p.m., and Saturdays
- \$1.25** \$1.25 parking after 5 p.m., and Saturdays. Exact change in quarters suggested
- Emergency telephones
- RTD bus stops bordering campus



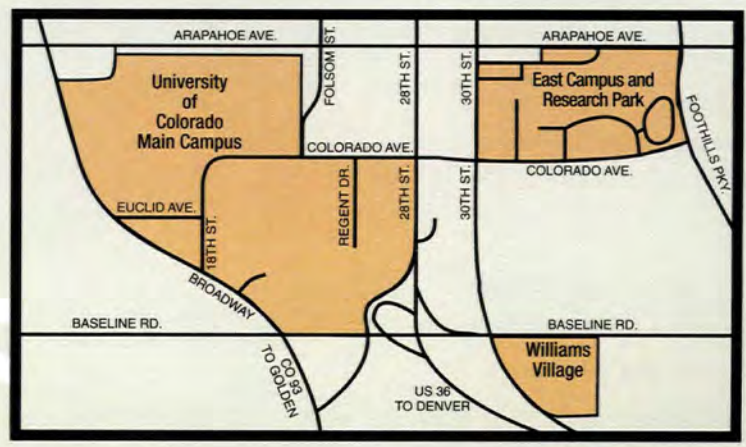
University Buildings

1. Armory (D-4)
2. Balch Fieldhouse (E-7)
3. Benson Earth Sciences Building (F-9)
4. Business (H-10)
5. Carlson Gymnasium (E-7)
6. Center for Astrophysics and Space Astronomy (L-4)
7. Clare Small Arts and Sciences (D-6)
8. College Inn Conference Center (B-5)
9. Communication Disorders and Speech Science (I-11)
10. Computing Center (J-3)
11. Continuing Education (D-2)
12. Cooperative Institute for Research in Environmental Sciences (CIRES) (F-5)
13. Coors Events/Conference Center (I-12)
14. Cottage No. 1 (F-3)
15. Cristol Chemistry (G-5)
16. Dal Ward Athletic Center (D-8)
17. Denison Laboratory (G-4)
- * Duane Physical Laboratories (F-7). See Duane Physics and Astrophysics, Gamow Tower, Laboratory for Atmospheric and Space Physics, and Joint Institute for Laboratory Astrophysics.
18. Duane Physics and Astrophysics (F-7)
19. Economics (F-3)
20. Education (G-4)
21. Ekeley Sciences (F-5)
22. Engineering Center (F/G-10/11)
23. Environmental Design (G-7)
24. Euclid Avenue Autopark (G-6)
25. Family Housing Children's Center- Main Offices (A-9)
26. Family Housing Children's Center- Colorado Court (L-2)
27. Fiske Planetarium and Science Center (J-10)
28. Fleming Law (K-10)
29. Folsom Stadium (E-8)
30. Gamow Tower (F-7)
31. Geology (G-3)
32. Grounds and Service Center (D-9)
33. Guggenheim Geography (F-3)
34. Hale Science (E-3)
35. Health Physics Laboratory (D-9)
36. Helles Arts and Sciences/Mary Rippon Theatre (G-4)
37. Henderson Museum, University of Colorado Museum of Natural History (G-4)
38. Housing System Maintenance Center (K-3)
39. Housing System Service Center (J-3)
40. Humanities Building (E-5)
41. Hunter Science (F-6)
42. Imig Music (H-7)
43. Institute for Behavioral Genetics (K-1)
44. Institute of Behavioral Science (IBS) No. 1 (D-2)
45. IBS No. 2 (C-2)
46. IBS No. 3 (D-2)
47. IBS No. 4 (D-2)
48. IBS No. 5 (D-4)
49. IBS No. 6 (C-2)
50. Integrated Teaching and Learning Laboratory. See Engineering Center (G-11)
51. International English Center (G-2)
52. Joint Institute for Laboratory Astrophysics (G-7)
53. Ketchum Arts and Sciences (F-6)
54. Koenig Alumni Center (E-2)
55. Laboratory for Atmospheric and Space Physics (LASP) (F-7)
56. LASP Space Technology Center (L-3)
57. Lesser House (F-11)
- * Life Sciences Laboratories Complex (E-7). See Muenzinger Psychology, Porter Biosciences, and Ramaley Biology.
58. Macky Auditorium (D-4)
59. Mathematics Building (F-10)
60. MCDB expansion (E-7)
61. McKenna Languages (E-4)
62. Muenzinger Psychology (E-7)
63. Norlin Library (E-6)
64. Nuclear Physics Laboratory (K-2)
65. Old Main (E-4)
66. Page Foundation Center (D-3)
67. Police and Parking Services (G-12)
68. Porter Biosciences (E-7)
69. Power House (F-6)
70. Ramaley Biology (E-6)
71. Regent Administrative Center (I-8)
72. Regent Drive Autopark (G-12)
73. Research Laboratory No. 1 (J-1)
74. Research Laboratory No. 2-WICHE (J-1)
75. Research Laboratory No. 3 (J-2)
76. Research Laboratory No. 4 (K-1)
77. Research Laboratory No. 6 (Marine Street Science Center) (K-2)
78. Research Park Greenhouse (K-1)
79. Sibell Wolle Fine Arts (G-6)
80. Sommers-Bausch Observatory (I-11)
81. Stadium Offices (E-8)
82. Student Recreation Center (D-6/7)
83. Telecommunications Building (G-6)
84. Temporary Building No. 1 (D-6)
85. Transportation Center (J-2)
86. University Administrative Center and Annex (I-7)
87. University Club (H-6)
- * University of Colorado Museum of Natural History. See Henderson Building (#37; G-4)
88. University Memorial Center (UMC) (G-5)
89. University Theatre (including Charlotte York Irey Studios) (F-4)
90. US West Research Park (L-4)
91. Wardenburg Student Health Center (H-7)
92. Willard Administrative Center-North Wing (H-8)
93. Woodbury Arts and Sciences (E-5)

University Housing

94. Aden Hall (G-9)
95. Andrews Hall-Kittredge Complex (J-11)
96. Arnett Hall-Kittredge Complex (J-12)
97. Athens Court (B/C-6/7)
98. Athens North Court (B-6)
99. Baker Hall (G-7)
100. Brackett Hall (G-9)
101. Buckingham Hall-Kittredge Complex (K-12)
102. Cheyenne Arapaho Hall (H-7)
103. Cockrell Hall (G-10)
104. Colorado Court (L-1)
105. Crosman Hall (G-10)
106. Darley Commons- Williams Village (L-6)
107. Darley Towers-Williams Village (K-5)
108. Faculty-Staff Court (C-5/6)
109. Farrand Hall (H-9)
110. Hallett Hall (H-9)
111. Kittredge Commons- Kittredge Complex (J-10)
- * Kittredge Complex. See Kittredge Commons, and Andrews, Arnett, Buckingham, Kittredge West, and Smith Halls.
112. Kittredge West Hall- Kittredge Complex (J-10)
113. Libby Hall (G-8)
114. Marine Court (B-7)
115. Newton Court (B/C-9/10)
116. Reed Hall (H-10)
117. Sewell Hall (D-5)
118. Smiley Court (L-1)
119. Smith Hall-Kittredge Complex (K-11)
120. Stearns Towers- Williams Village (K-6)
121. Willard Hall-South Wing (H-8) Williams Village. See Darley Commons, Darley Towers, And Stearns Towers.

During any special event, Continuing Education students shall present their registration receipt to obtain parking at no extra charge (Parking Regulation III-D-6a).
 Continuing Education students may also purchase parking permits from Parking Services for an additional fee.
 University meters are enforced between 7:00 a.m. and 5:00 p.m. seven days a week, including Saturdays and Sundays.
 Based on map produced by Student Affairs Communications.



BEGINNING DECEMBER 4, YOU CAN...

- 1. REGISTER BY MAIL.** A postage-paid envelope is located in this catalog. Registration forms are on page 63 for credit, page 64 for noncredit and certificate courses.
- 2. FAX YOUR REGISTRATION.** Fast and easy. Day or night to 303-492-3962. Send page 63 for credit courses. Send page 64 for noncredit and certificate courses.
- 3. IN PERSON.** Come to the Continuing Education Office, 1505 University Avenue, between 8 a.m. and 5:30 p.m. Monday through Thursday (8 a.m. to 5 p.m. Fridays).
- 4. BY PHONE FOR NONCREDIT AND CERTIFICATE COURSES USING VISA, MASTERCARD, AND DISCOVER.** Complete the registration form (page 64) and have your credit card information handy. Then call 303-492-8668 or 800-331-2801 (TTY 303-492-8905).
- 5. USE CU CONNECT OR THE WEB FOR BOULDER EVENING COURSES.** See page 5 for more information.

Costs vary. Tuition is listed at the end of each course description. You may pay by MasterCard, VISA, Discover, cash, or check.

CREDIT PROGRAMS You can earn academic credit at every level, high school through graduate school. Credit programs include:

- Boulder Evening Credit Classes**
- Independent Learning Programs**
- ACCESS and High School Concurrent Programs**
- Center for Advanced Training in Engineering and Computer Science (CATECS)**
- Summer Session**

LEARNING FOR LEARNING'S SAKE: PERSONAL ENRICHMENT COURSES The broad range of noncredit courses offered at convenient evening hours, means no tests, no grades, and no prerequisites. Yet noncredit courses, encompassing both personal and professional interests, are taught by highly qualified instructors. Enjoy non-competitive learning with others who share your interests.

PROFESSIONAL ENHANCEMENT: CERTIFICATE PROGRAMS To polish skills or acquire new ones, enhance a career or explore another field, Continuing Education offers a full spectrum of programs.

- Computer Applications**
- Network Administration**
- Programming**
- Web Site Design**

PROFESSIONAL DEVELOPMENT PROGRAMS for working professionals to build skills and enhance your understanding of business today.

- Center for Business Education**
- Real Estate and Appraisal Program**
- International English Center**

WHERE ARE COURSES GIVEN? Course locations are given at the end of most course descriptions. Many campus parking lots offer \$1.25 parking after 5 p.m. and on Saturdays. Some are free evenings and weekends. The Campus Map gives both building and parking lot locations. To skip parking altogether, take the RTD bus to campus.

CHANGE YOUR MIND? Please let us know. If you withdraw before a course begins, you may receive a full refund. Refer to each program description for refund policies after a course starts.

STUDENT PRIVACY You may elect to have directory information withheld about yourself which includes requesting transcripts over the phone. To do this, please visit our office or call to receive the form.

SEVERE WEATHER Classes are held when scheduled. The Chancellor closes the campus only because of extreme weather conditions. Closings are announced on local radio stations. Or call 303-735-5000 for course closing information.

BOOKS AND SUPPLIES required for courses are available at the CU Bookstore in the basement of the University Memorial Center on campus.

Call us at 303-492-5148 or 1-800-331-2801 if you need help or additional information.

The University of Colorado at Boulder does not discriminate on the basis of race, color, national origin, sex, age, disability, creed, religion, or veteran status in admission and access to, and treatment and employment in, its educational programs and activities. The University takes affirmative action to increase ethnic, cultural, and gender diversity; to employ qualified disabled individuals; and to provide equal opportunity to all students and employees.

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The Department of Equal Opportunity is responsible for educational and employment opportunity, implementation of affirmative action programs, and coordination of Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1973, the Vietnam Era Veteran's Readjustment Act of 1974, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990. For further information about these provisions, or about issues of equity, discrimination, or fairness, write Garnett K. Tatum, Director, Department of Equal Opportunity, Willard Hall, Room 209, Campus Box 144, University of Colorado at Boulder, Boulder, CO 80309-0144, or call 303-492-6706.

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Art Direction: Alana Shaw
Photography: Benko Photographics
Printing: AB Hirschfeld Press



CREDIT REGISTRATION FORM



**UNIVERSITY OF COLORADO
DIVISION OF CONTINUING EDUCATION**

PROGRAM / TERM

Last Name	First Name	Middle Name	Former or Maiden Name

Mailing address _____
No. and Street, Apt. No. City State Zip Code + 4

E-mail address _____
Home Phone Work Phone

BIRTHDATE

Month/Day/Year	Age		

SEX:
 Male
 Female

ETHNICITY:
 American Indian or Alaskan Native
 Asian or Pacific Islander
 Black
 Caucasian/White
 Hispanic
 I do not wish to provide this information

RESIDENCY:
 Colorado
 Other State Abbr. _____

MILITARY SERVICE:
 Non-veteran
 Veteran
 Active Duty Dates _____ to _____

SOCIAL SECURITY NUMBER:

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For identification purposes. If you wish to claim continuing education tax credits, your social security number must be provided.

FORMER CU STUDENT NUMBER:

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CITIZENSHIP:
 C=U.S. Citizen
 P=Non-U.S. Citizen/permanent status -List alien registr. No. _____
 T=Non-U.S. Citizen-Country _____ -List Type of Temporary Visa _____

1. Do you have a high school diploma or a G.E.D. Certificate? No (Submit HS Concurrent Form) Yes
 High School Name/City/State _____ Graduation Date _____
2. Have you ever enrolled for credit course(s) at any campus of the University of Colorado?
 No Yes Campus _____ Term _____ Year _____ of most recent attendance
 Degree Student or Nondegree Student
3. Are you currently on suspension from any Campus/School of CU? No Yes School _____
4. Do you owe a debt to any University of Colorado campus? No Yes
5. Do you have a college degree? No Yes Highest Degree _____ Date Awarded _____
 College Name/City/State _____
6. Have you ever been convicted of a felony? (other than traffic violation) No Yes (Attach statement)

SELECTIVE SERVICE REGISTRATION CERTIFICATION:
 I certify that I am registered with the Selective Service
I am not required to register with the Selective Service because:
 I am a female.
 I am in the U.S. Armed Forces on active duty.
 I have not yet reached my 18th birthday.
 I am age 26, or older, as of the date of the first day of class.
 I am a non-immigrant alien lawfully admitted in the U.S.

Dept. Abbr.	Course No.	Cr. Hrs.	Sect. No.	Title(s) of course(s) for which you are enrolling	Location

Admission to the University of Colorado as a Nondegree Student does not guarantee eligibility for regular degree status.

COMPLETE THIS SECTION IF YOU HAVE NOT ATTENDED ANY UNIVERSITY OF COLORADO CAMPUS WITHIN THE LAST 12 MONTHS AND ARE CLAIMING IN-STATE TUITION CLASSIFICATION.

Students already classified as nonresidents must submit a separate "Petition for In-State Tuition" in order to change their tuition classification.

FAILURE TO ANSWER EACH QUESTION MAY RESULT IN YOUR BEING CLASSIFIED AS A NONRESIDENT.

<p style="text-align: center;">YOU</p> <p>Dates of continuous physical presence in Colorado (mo./day/yr.) _____ to _____</p> <p>Dates of employment in Colorado (mo./day/yr.) _____ to _____</p> <p>List exact years for which Colorado income taxes have been filed _____</p> <p>Dates of extended absences from Colorado of more than two months within the past two years (mo./day/yr.) _____ to _____</p> <p>Dates of active duty military service, if applicable (mo./day/yr.) _____ to _____</p> <p>Dates stationed in Colorado (mo./day/yr.) _____ to _____</p> <p>Date of your marriage, if applicable (mo./day/yr.) _____ to _____</p> <p>Date current Colorado driver's license, if applicable (mo./day/yr.) _____ to _____</p> <p>Issue date of previous Colorado license, if applicable (mo./day/yr.) _____ to _____</p> <p>List exact years of Colorado motor vehicle registration _____</p> <p>Date of Colorado voter registration (mo./day/yr.) _____ to _____</p> <p>Dates of ownership of any Colorado residential property (mo./day/yr.) _____ to _____</p> <p>Are your parents separated or divorced? Yes _____ No _____</p>	<p style="text-align: center;">CHECK ONE:</p> <p><input type="checkbox"/> PARENT <input type="checkbox"/> GUARDIAN <input type="checkbox"/> SPOUSE</p> <p>Dates of continuous physical presence in Colorado (mo./day/yr.) _____ to _____</p> <p>Dates of employment in Colorado (mo./day/yr.) _____ to _____</p> <p>Dates of extended absences from Colorado of more than two months within the past two years (mo./day/yr.) _____ to _____</p> <p>Dates of active duty military service, if applicable (mo./day/yr.) _____ to _____</p> <p>Dates stationed in Colorado (mo./day/yr.) _____ to _____</p> <p>Date of your marriage, if applicable (mo./day/yr.) _____ to _____</p> <p>Date current Colorado driver's license, if applicable (mo./day/yr.) _____ to _____</p> <p>Issue date of previous Colorado license, if applicable (mo./day/yr.) _____ to _____</p> <p>List exact years of Colorado motor vehicle registration _____</p> <p>Date of Colorado voter registration (mo./day/yr.) _____ to _____</p> <p>Dates of ownership of any Colorado residential property (mo./day/yr.) _____ to _____</p> <p>Are your parents separated or divorced? Yes _____ No _____</p>
---	---

I hereby certify that to the best of my knowledge the information furnished on this application is true and complete without evasion or misrepresentation. I understand that if found to be otherwise, it is sufficient cause for rejection or dismissal.

Student's Signature _____ Date _____

TUITION PAYMENT

Please send a check, payable to University of Colorado, to:
 Division of Continuing Education
 Campus Box 178
 University of Colorado at Boulder
 Boulder, CO 80309-0178
 If using MasterCard, VISA, Discover enclose the following information.

Charge: VISA MasterCard Discover (check one)

Expiration Date _____

Print Cardholder's name, as it appears on the charge card.

REGISTRATION FOR CERTIFICATE AND NONCREDIT COURSES

PLEASE PRINT

S.S. No. # _____
For identification purposes. If you wish to claim continuing education tax credits, your social security number must be provided.

Former Student Number _____

Birthdate _____
Month/Day/Year

Mr. _____
 Ms. _____
Last First Middle Initial Maiden Name

Mailing Address _____ Home Telephone _____

City _____ State _____ Zip _____

Business Name _____

Business Address _____ Office Telephone _____

City _____ State _____ Zip _____

E-mail address _____

Have you ever enrolled for credit or noncredit course(s) at any campus of the University of Colorado? No Yes

Campus _____ Term _____ Year _____ of most recent attendance.

Have you ever been convicted of a felony (other than a traffic violation)? No Yes (attach statement)

Course No.	Section No.	Course Title	Tuition
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Attach additional sheet if needed

Total Enclosed _____

Please register me for the course(s) listed above.

Signature _____ Date _____

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 Boulder, CO 80309-0178
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 enclose the following information.

Charge: VISA MasterCard Discover (check one)

_____/_____/_____/_____

Expiration Date _____/_____/_____

Print Cardholder's name, as it appears on the charge card.

Note that credit card enrollments can be made by phone (see Registration Information).

SELECTIVE SERVICE REGISTRATION CERTIFICATION:

I certify that I am registered with the Selective Service

I am not required to register with the Selective Service because:

I am a female.

I am in the U.S. Armed Forces on active duty.

I have not yet reached my 18th birthday.

I am age 26, or older, as of the date of the first day of class.

I am a non-immigrant alien lawfully admitted in the U.S.

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Colorado

University of Colorado at Boulder

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