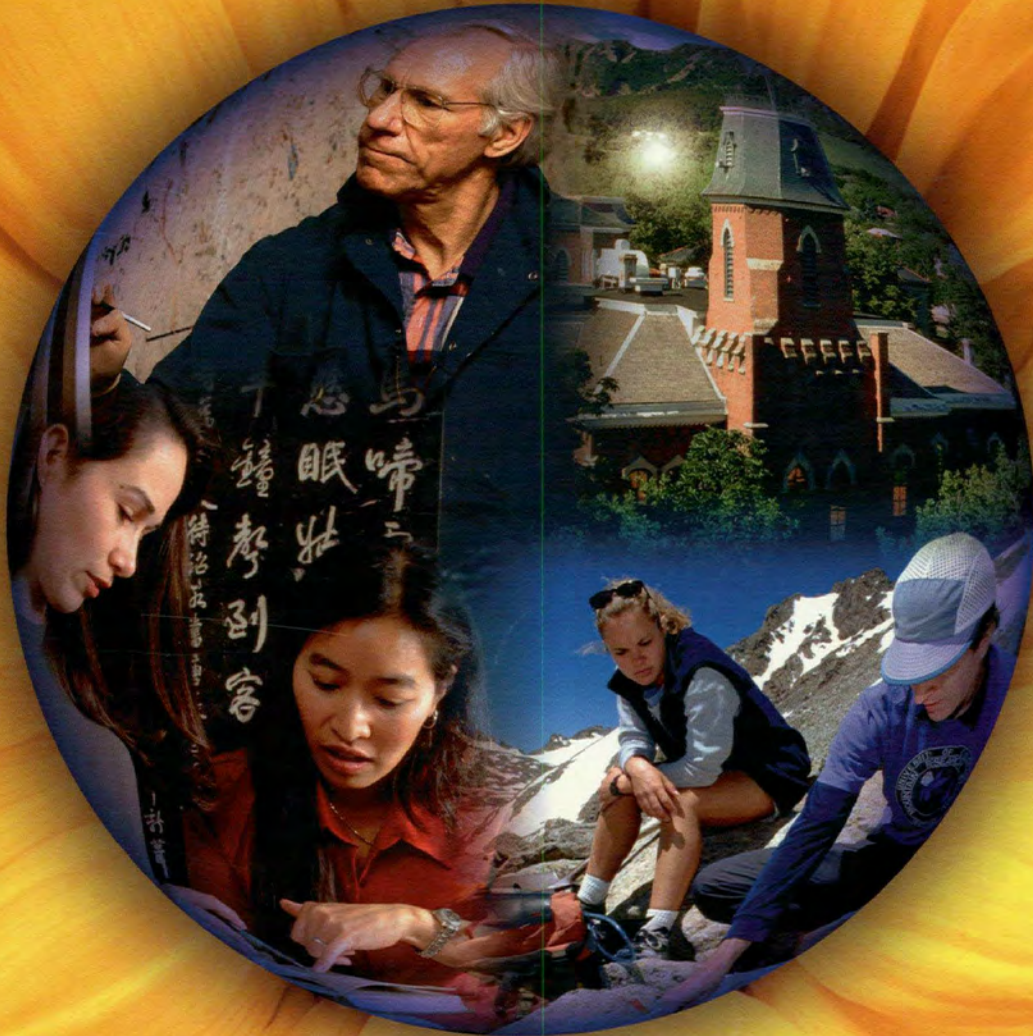


Continuing EDUCATION

UNIVERSITY OF COLORADO AT BOULDER CATALOG



SUMMER 2002

WELCOME

At the Division of Continuing Education we are committed to helping you achieve your educational aspirations. We believe learning should never stop and growth is always possible. That's why our mission is to give you the opportunity to benefit from the educational resources available at the University of Colorado at Boulder.

*Since your learning needs are unique, we offer a variety of educational programs — from courses for university credit to personal enrichment classes to career-boosting computer courses. Let us help you *learn...grow...become...**

NEW AND NOTEWORTHY

**Portuguese:
Beginning Conversational Skills**
NCFL 106 (see *Personal Enrichment*)


Publicity for Writers
NC W 099 (see *Personal Enrichment*)

Windows XP
CAAP 2141 (see *Computer Applications*)

**Technical Overview
of .NET and C#**
CAPR 3703 (see *Computer Applications*)

The Center for Business Education will no longer offer real estate courses but will continue to offer a comprehensive real estate appraisal program for those entering the appraisal field or those looking for continuing appraisal education.

Scholarships are available to eligible students. Check out www.colorado.edu/conted/scholar.htm for more information.



CONTINUING
EDUCATION
CENTER

Contents

3

Boulder Evening Credit Program

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

10

CU Connect and PLUS Registration Information

Instructions for eligible Boulder Evening and Independent Learning students to register using the telephone or the Web.

13

Independent Learning Programs

For people in transition, on the road, or just busy with multiple demands, an excellent solution for disciplined independent learners.

20

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

Graduate engineering courses delivered directly to business or industry via live TV broadcast, the Web, and videotape.

21

Additional Credit Programs

ACCESS (Available Credit Courses for Eligible Special Students) Program

High School Concurrent Program

CU-Boulder Summer Session

Degree Completion Program

23

Personal Enrichment Program

A lively, relevant approach to the arts, languages, theatre and writing.

29

Computer Applications Program

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

46

Special Programs

International English Center

Center for Business Education

blurr pm

Embedded Systems Certificate

Software Engineering Certificate

49

Campus Map

50

Registration Information

51

Credit Registration Form

52

Noncredit/Certificate Registration Form

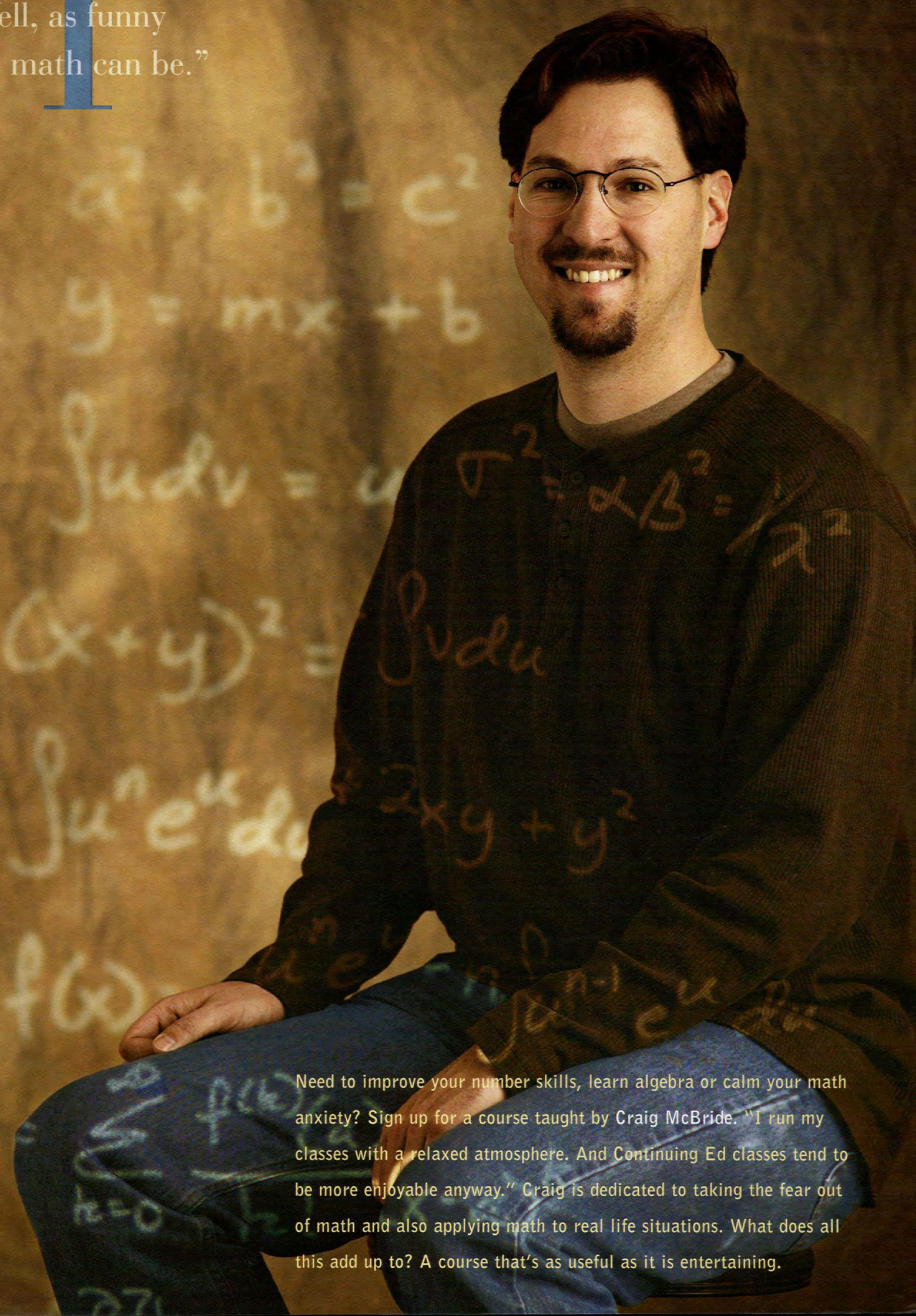
INSIDE BACK COVER

Index

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.

I “I make math funny.
Well, as funny
as math can be.”



Need to improve your number skills, learn algebra or calm your math anxiety? Sign up for a course taught by Craig McBride. “I run my classes with a relaxed atmosphere. And Continuing Ed classes tend to be more enjoyable anyway.” Craig is dedicated to taking the fear out of math and also applying math to real life situations. What does all this add up to? A course that’s as useful as it is entertaining.

Boulder Evening Credit Program

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 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 303-492-8252 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.

Final Grades: Final grades for Boulder Evening will be available approximately 2 weeks after the course ends. To check your final grade, see the "Grades" information on the CU Connect and PLUS Registration Instructions, page 11.

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 or petition form by the appropriate date. If you don't officially withdraw from a course, you may receive a grade of "F" for that course. Drop dates are listed on the calendar on page 4.

Tuition: Tuition is determined by residency status. Resident tuition is \$125 per credit hour. Some courses requiring special equipment or materials may be slightly higher.

Nonresidents of Colorado are assessed tuition based on the number of semester hours for which they register. Nonresidents may register for up to three (3) semester hours at the rate of \$240 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, nonresident rate.

The Division will charge our in-state rate for Boulder Evening when a nonresident student pays for 6 or more hours 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.

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, 303-492-4518, or visit the web site at www.colorado.edu/finaid.

Scholarships: Students who are 25 years of age or older are eligible for the Nontraditional Student Scholarship for Continuing Education enrollment. May 13 is the summer application deadline. Scholarship awards range up to \$365. Applications are available at Continuing Education or can be found on the Web at www.colorado.edu/conted/scholar.htm.

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, 303-492-7322.

Transcripts: Boulder Evening courses and grades are recorded on official University of Colorado transcripts. To request a transcript visit the Registrar's web site at registrar.colorado.edu/support/transcripts.htm for information.

Final Exams: The final exam will be held the last day of the class. The last day of a class is available on the list of courses by start date on page 5.

To Enroll: We encourage you to register in advance of the first class by CU Connect, PLUS, by mail, by 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. Please bring proof of permanent appointment (showing at least half-time employment) to registration.

SURVIVAL TIP:

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



Boulder Evening Registration and Academic Calendar

SUMMER 2002

May 6

Boulder Evening registration through CU Connect or PLUS begins 7 a.m.-midnight. Registration is also available by mail, fax, or in person at the Division of Continuing Education, 1505 University, 7:30 a.m.-4:30 p.m. Monday through Friday.

Faculty/Staff registration. 50% discount with proof of permanent, half-time appointment.

May 13

Deadline to apply for Nontraditional Student Scholarship, see page 3 for details.

May 27

University closed.

June 3

Summer Boulder Evening classes begin.

June 5

Deadline to petition for in-state classification.

June 7

4:30 p.m. deadline to register for classes, add your name to a wait list, request pass/fail status or drop with a 100% refund. Withdrawals from classes after this date will appear as a "W" on student's academic record and must be received in writing.

June 10

Instructor's signature required to add or drop classes.

June 14

4:30 p.m. deadline to drop with a 60% refund.*

June 21

4:30 p.m. deadline to drop with a 40% refund.*

June 24

Petition required to add or drop classes.

Petition Forms documenting extenuating circumstances are available at Continuing Education.

July 2-8

Last day of classes and final exams for Term 1W (5-week) classes.

July 4

No classes. University closed.

July 17-23

Last day of classes and final exams for Term 3W (7-week) classes.

**All refund requests received must be in writing.*

Classes by Start Date

TERM 1W (FIVE-WEEK) CLASSES

Monday, Tuesday, and Wednesday Courses, Begin June 3 and End July 2

Course No.-Hours	Section	Call #	Times	Course Title	Core
HIST 2100-3	100	60234	6-9 p.m.	Revolution in History: Russian Revolutions	historical context
PSCI 4734-3	100	60224	6-9 p.m.	Politics and Literature	critical thinking
QRMS 1010-3	100	60226	6-9 p.m.	Quantitative Reasoning and Mathematical Skills	quantitative reasoning and mathematical skills

Monday, Tuesday, and Wednesday Course, Begins June 5 and Ends July 8

SPAN 2110-3	100	60239	6-9 p.m.	Second-Year Spanish 1	foreign language
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Tuesday, Wednesday, and Thursday Courses, Begin June 4 and End July 3

COMM 2400-3	100	60228	6-9 p.m.	Communication and Society	contemporary societies
JOUR 4874-3	100	60236	6:30-9:30 p.m.	Special Topics: Scriptwriting for the Entertainment Industry	none
PHIL 1100-3	100	60230	6-9 p.m.	Ethics	ideals and values
PSCI 3011-3	100	60231	6-9 p.m.	The American Presidency	United States context

TERM 3W (SEVEN-WEEK) CLASSES

Monday and Wednesday Courses, Begin June 3 and End July 17

ECON 2020-4 ✓	300	60222	6-9 p.m.	Principles of Macroeconomics	contemporary societies
ENGL 3060-3 ✓	300	60223	5:30-8:30 p.m.	Modern and Contemporary Literature	literature and the arts
PSCI 4751-3 ✓	300	60225	5:30-8:30 p.m.	The Politics of Ideas	critical thinking
WRTG 3020-3 ✓	301	60227	6-9 p.m.	Topics in Writing: Topics in the <i>New York Times</i>	written communication

Tuesday and Thursday Courses, Begin June 4 and End July 23

ENGL 3051-3 ✓	300	60229	5:30-8:30 p.m.	Intermediate Fiction Workshop	none
FINE 1300-3 ✓	300	60233	6-9 p.m.	History of World Art 1	literature and the arts
HIST 2866-3	300	60235	6:30-9:30 p.m.	American History and Film	United States context
KAPH 3420-3 ✓	300	60237	6-9 p.m.	Nutrition, Health and Performance	natural science
PSYC 4456-3 ✓	300	60232	6-9 p.m.	Psychology of Personality	none
RLST 2500-3 ✓	300	60221	6-9 p.m.	Religions in the United States	United States context or ideals and values
SOCY 3151-3 ✓	300	60238	6-9 p.m.	Self in Modern Society	United States context or ideals and values
WRTG 3020-3 ✓	302	60240	5:30-8:30 p.m.	Topics in Writing: Music and Society	written communication



A full-time student with a part-time job, Leslie Woodworth took James Ross's Politics of Ideas because it fit into her busy schedule and fulfilled required coursework. She found that taking a Continuing Education course was very valuable. "The students who aren't full-time college students have more real-world experience and bring different ideas and perspectives to class. I like hearing different thoughts on what we're discussing."

COMMUNICATION

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.

Term 1W - Section 100: Call No. 60228
Tuesdays, Wednesdays, and Thursdays,
6-9 p.m. Humanities 1B70. \$375 (resident).

ECONOMICS

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.

Term 3W - Section 300: Call No. 60222
Mondays and Wednesdays, 6-9 p.m.
Economics 2. \$500 (resident).

ENGLISH

Intermediate Fiction Workshop ENGL 3051

3 SEMESTER HOURS

Intermediate course in fiction writing.
May be taken up to three times for credit.

George Moore, Ph.D.

Term 3W - Section 300: Call No. 60229
Tuesdays and Thursdays, 5:30-8:30 p.m.
Hellems 263. \$375 (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.

Term 3W - Section 300: Call No. 60223
Mondays and Wednesdays, 5:30-8:30 p.m.
Hellems 241. \$375 (resident).

FINE ARTS**History of World Art I
FINE 1300**

3 SEMESTER HOURS

Surveys major art styles from the Paleolithic period through the Renaissance, including European, Asian, and the Pre-Columbian/Islamic World. Emphasizes comparison of Western and non-Western visual expressions as evidence of differing cultural orientations. Students may not receive credit for both FINE 1300 and FINE 1109. Approved for arts and sciences core curriculum: literature and the arts.

Christine Dupont-Patz, M.A.

Term 3W - Section 300: Call No. 60233
Tuesdays and Thursdays, 6-9 p.m.
Hale 230. \$420 (resident).

HISTORY**Revolution in History:
Russian Revolutions
HIST 2100**

3 SEMESTER HOURS

Examines the causes, character, and significance of political revolution in world history. Concentrating on the Russian Revolutions, this course examines why revolutions occur, who participates in revolution, and to what effect. The course will also discuss the relevancy of the 1917 revolutions to the Gorbachev years and the current state of affairs in the former Soviet Union. Approved for arts and sciences core curriculum: historical context.

Merle Funk, Ph.D.

Term 1W - Section 100: Call No. 60234
Mondays, Tuesdays, and Wednesdays,
6-9 p.m. Economics 13. \$375 (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.

Term 3W - Section 300: Call No. 60235
Tuesdays and Thursdays, 6:30-9:30 p.m.
Humanities 180. \$375 (resident).

JOURNALISM**Special Topics:
Scriptwriting for the
Entertainment Industry
JOUR 4874**

3 SEMESTER HOURS

Introduces basic script writing skills and formats for broadcast and cable television situation comedies, dramas, and movies. Produced scripts will be analyzed for structure, story components, drama devices and aesthetics. Students will write a script for a half hour television program or a full treatment for a larger project.

Frank Iannella, M.A.

Term 1W - Section 100: Call No. 60236
Tuesdays, Wednesdays, and Thursdays,
6:30-9:30 p.m. Humanities 1B90.
\$375 (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.E.

Term 3W - Section 300: Call No. 60237
Tuesdays and Thursdays, 6-9 p.m.
Clare Small 207. \$375 (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.

Term 1W - Section 100: Call No. 60230
Tuesdays, Wednesdays, and Thursdays,
6-9 p.m. Economics 16. \$375 (resident).

Learn...grow...become...

POLITICAL SCIENCE**The American Presidency
PSCI 3011**

3 SEMESTER HOURS

Covers constitutional and institutional foundations and historical development of the presidency; roles, powers, selection, recent modifications, and institutionalization. Uses lectures and class discussion. Prereq., PSCI 1101. Approved for arts and sciences core curriculum: United States context.

Vincent McGuire, Ph.D.

Term 1W - Section 100: Call No. 60231
Tuesdays, Wednesdays, and Thursdays,
6-9 p.m. Ketchum 119. \$375 (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.

Term 1W - Section 100: Call No. 60224
Mondays, Tuesdays, and Wednesdays,
6-9 p.m. Ketchum 118. \$375 (resident).

**The Politics of Ideas
PSCI 4751**

3 SEMESTER HOURS

This course aims to give students a practical understanding of the relationship between politics and ideas. It provides an overview of the major political ideas of the 20th century and their impact on U.S. politics and public policy. Students engage in weekly debates that center on key contemporary issues, such as U.S. security, immigration, capital punishment, the role of the media, etc., where political ideas intersect with political practice. Students critically examine how political ideas are represented as collective goals, how problems are defined and events are appropriated, and how policy solutions are strategically framed in public discourse. Prereq., junior or senior standing. Approved for arts and sciences core curriculum: critical thinking.

James C. Ross, Ph.D.

Term 3W - Section 300: Call No. 60225
Mondays and Wednesdays, 5:30-8:30 p.m.
Humanities 180. \$375 (resident).

PSYCHOLOGY**Psychology of Personality
PSYC 4456**

3 SEMESTER HOURS

Psychological study of structure organization, and development of the person as a whole. Analysis of major theories, methods, and research, including topics such as emotion, motivation, temperament, inner experience, identity and the self, personality change, and the influence of sociocultural context. Enrollment restricted to juniors and seniors.

Patrick Vann, Ph.D.

Term 3W - Section 300: Call No. 60232
Tuesdays and Thursdays, 6-9 p.m.
Muenzinger E131. \$375 (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 P. McBride, B.S.

Term 1W - Section 100: Call No. 60226
Mondays, Tuesdays, and Wednesdays,
6-9 p.m. Engineering Center CR 110.
\$375 (resident).

Learn...grow...become...

RELIGIOUS STUDIES**Religions in the United States**
RLST 2500

3 SEMESTER HOURS

Looks at religious expression in the U.S. in the 1960s counterculture, with special attention to the relation between self and society. Examines the impact of the counterculture on current popular ideas about religion, self, and society. Approved for arts and sciences core curriculum: United States context or ideals and values.

Denice Walker, M.A.

Term 3W - Section 300: Call No. 60221
Tuesdays and Thursdays, 6-9 p.m.
McKenna 112. \$375 (resident).

SOCIOLOGY**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.

Term 3W - Section 300: Call No. 60238
Tuesdays and Thursdays, 6-9 p.m.
Clare Small 208. \$375 (resident).

SPANISH**Second-Year Spanish 1**
SPAN 2110

3 SEMESTER HOURS

Grammar review. Emphasizes reading, writing, and speaking skills. Attendance at the language laboratory may be mandatory. Similar to SPAN 2150. Prereq., SPAN 1020 or 1150 with a grade of C- or better, or placement. Please note that this course does not begin until Wednesday, June 5th and ends on Monday, July 8th. Approved for arts and sciences core curriculum: foreign language.

Javier Garces, B.A.

Term 1W - Section 100: Call No. 60239
Mondays, Tuesdays, and Wednesdays,
6-9 p.m. Hellems 237. \$395 (resident).

**WRITING
AND RHETORIC****Topics in Writing**
WRTG 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.

Topics in the *New York Times**Sally Green, M.A.*

Term 3W - Section 301: Call No. 60227
Mondays and Wednesdays, 6-9 p.m.
Education 134. \$375 (resident).

Music and Society*Daniel Brigham, M.A.*

Term 3W - Section 302: Call No. 60240
Tuesdays and Thursdays, 5:30-8:30 p.m.
Humanities 160. \$375 (resident).



What does CU undergrad Ben Nelson say about the Politics of Ideas course he's taking? "It's great! James Ross makes you think in ways you haven't thought before." Typically, Continuing Education courses have an excellent student/teacher ratio, so students get plenty of individual attention.

CU Connect and PLUS Registration

In addition to registering by mail, fax (303-492-3962), or in person (1505 University Avenue), Boulder Evening and Independent Learning students are eligible to register using CU Connect (the telephone registration system) or PLUS (web registration). To be eligible to use either CU Connect or PLUS, you must be activated for Continuing Education for the summer and have no academic or financial stop which could prevent you from registering. To be activated for Continuing Education for summer, return the credit registration form on page 51. 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 PLUS obligates you to pay any tuition charges as a result of adding any course.

CU Connect and PLUS 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, on May 27 and July 4.

Register Using PLUS

Eligible Boulder Evening and Independent Learning students can register on the Web by accessing the CU home page at www.colorado.edu and choosing Resources for Students and then Personal Lookup Services (PLUS) or going directly to PLUS at plus.colorado.edu/plus and selecting the "Registration Log-On" button. You will then need to enter your student ID/social security number and personal identification number (PIN) and hit submit. At the registration menu, choose the "Register" tab at the bottom of the page. Then choose Continuing Education Summer 2002 and follow the instructions on the web page from there to add, drop or waitlist for a course, 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 exit web registration.

You can also conduct online course searches using PLUS. At the PLUS home page choose "Planning Tools" and then Schedule Planner. If you have logged on to PLUS using your student number and PIN, choose the "Course Status" tab at the bottom of the page. Schedule Planner and Course Status allow you to search by subject, level, course number, core requirements, and by meeting time. Course Status is updated on a real time basis; Schedule Planner is updated nightly.

Register Using CU Connect

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 024

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 or Waitlisted?
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 position on a **wait list**, 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 option** or press 2 to **end** the call.

Verifying and Adjusting Your Schedule

Once you have registered, it is important that you verify your schedule either through CU Connect or PLUS. For Boulder Evening, you can adjust your schedule 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. Boulder Evening and Independent Learning waitlist positions are on a first-come, first-served basis.

You can check your position on any course wait list either on the Web at plus.colorado.edu/plus or by calling CU Connect and pressing 5# (list schedule function). **If you choose to waitlist for a Boulder Evening or Independent Learning course and a space becomes available, you will automatically be enrolled in the course and additional tuition and fees assessed. We, therefore, encourage you to check your position on a wait list often to avoid being charged 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 PLUS. Credit card payments, using VISA, MasterCard or Discover, can be made on CU Connect and PLUS. 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 offices at 1505 University Avenue.

Course Restrictions

Some Boulder Evening and Independent Learning 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 303-492-8252 and make an appointment with our academic advisor.

Grades

To access your grades through the Web, log on to plus.colorado.edu/plus, choose "Log-On", then 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 (024 for summer) 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
- required textbooks
- unofficial transcripts
- request official transcripts
- 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 PLUS. Please call our registration office at 303-492-5148 for more information on your stop. This information is also available on PLUS at plus.colorado.edu/plus by signing on with your ID (student identification number) and PIN (Personal Identification Number), hit submit and choose the "Registration Status" tab at the bottom of the page.

If you need additional assistance, please call our registration office at 303-492-5148 between 7:30 a.m. and 4:30 p.m. Monday-Friday. If you need help after hours, a recorded message with helpful hints is available by calling 303-492-5145 and choose option "5" for CU Connect information.

“Astronomy puts human existence in perspective and gives you a broader view of the entire universe.”



To infinity and beyond! If you're taking Kelly Cline's General Astronomy, strap yourself in for a wild ride through the Solar System. You'll scale volcanoes on the moons of Jupiter, circle the rings of Saturn, and discover why the Big Bang was such a big deal. "In my class, we use the Internet a lot. We use links to NASA and people who are building satellites." So you'll learn the history of the universe and the most up-to-date information on current projects in a class that explores this thrilling natural science.

Independent Learning Programs

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 only on the Web, with all communication with the instructor and 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 on the Web: www.colorado.edu/cewww.

Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
ANTHROPOLOGY							
ANTH	1030	650	Principles of Anthropology 1	Kathy Greene, M.A.	3	60011	\$300
ANTH	1040	650	Principles of Anthropology 2	Kathy Greene, M.A.	3	60012	\$300
ANTH	2010	650	Introduction to Physical Anthropology 1	Kathy Greene, M.A.	3	60013	\$300
ANTH	2020	650	Introduction to Physical Anthropology 2	Kathy Greene, M.A.	3	60014	\$300
ANTH	2070	640	Bones, Bodies, and Disease	Dawn Mulhern, Ph.D.	3	60015	\$360
ANTH	2200	650	Introduction to Archaeology	Kathy Greene, M.A.	3	60016	\$300
ASTROPHYSICAL AND PLANETARY SCIENCES							
ASTR	1110	640	General Astronomy: The Solar System	Kelly Cline, M.S.	3	60017	\$360
COMMUNICATION							
COMM	2400	640	Communication and Society	Robert Agne, M.A.	3	60018	\$360
COMM	2400	650	Communication and Society	Robert Agne, M.A.	3	60019	\$360
COMM	4600	640	Senior Seminar: Computer-Mediated Communication in Organizations	Brenda J. Allen, Ph.D.	3	60020	\$360
COMPUTER SCIENCE							
CSCI	2830	640	Special Topics: Social, Ethical, and Professional Issues in Computer Science	James P. Gately, M.T.	1	60021	\$120
CSCI	2830	650	Special Topics: Social, Ethical, and Professional Issues in Computer Science	James P. Gately, M.T.	1	60022	\$120

it's up to you...

*** SECTION LEGEND**

- 64x = online, self-paced course
- 65x = print-based correspondence course
- 58x = online, term-based course



Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
ECONOMICS							
ECON	2010	641	Principles of Microeconomics	Laura Argys, Ph.D.	4	60023	\$480
ECON	2010	650	Principles of Microeconomics	Laura Argys, Ph.D.	4	60024	\$480
ECON	2020	640	Principles of Macroeconomics	Jay Kaplan, Ph.D.	4	60025	\$480
ECON	2020	650	Principles of Macroeconomics	Laura Argys, Ph.D.	4	60026	\$480
ECON	3403	640	International Economics and Policy	Jay Kaplan, Ph.D.	3	60027	\$360
ECON	4111	640	Money and Banking Systems	Jay Kaplan, Ph.D.	3	60028	\$360
EDUCATION							
EDUC	4161	640	Children's Literature	Phyllis Kennemer, Ed.D.	3	60029	\$360
EDUC	4161	650	Children's Literature	Phyllis Kennemer, Ed.D.	3	60030	\$360
EDUC	4322	650	Literature for Middle School and Secondary School Teachers	Caroline McKinney, M.A.	3	60031	\$300
ENGLISH							
ENGL	1191	650	Introduction to Creative Writing	Michael Arvey, M.A.	3	60033	\$300
ENGL	1260	650	Introduction to Women's Literature	Anne Marie Dannenberg, Ph.D.	3	60034	\$300
ENGL	1600	650	Masterpieces of American Literature	D'Ann Sanko, M.A.	3	60035	\$300
ENGL	2010	584	Introduction to Literary Theory	Christine McDonald, Ph.D.	3	60247	\$474
ENGL	2021	650	Introduction to Poetry Workshop	Michael Arvey, M.A.	3	60036	\$300
ENGL	3000	650	Shakespeare for Nonmajors	Rhonda Sanford, Ph.D.	3	60037	\$300
ENGL	3051	640	Intermediate Fiction Workshop	Todd Pinney, Ph.D.	3	60038	\$360
ENGL	3051	650	Intermediate Fiction Workshop	Todd Pinney, Ph.D.	3	60039	\$360
ENGL	3060	640	Modern and Contemporary Literature	Todd Pinney, Ph.D.	3	60040	\$360
ENGL	3060	650	Modern and Contemporary Literature	Todd Pinney, Ph.D.	3	60041	\$360
ENGL	3081	650	Intermediate Nonfiction Workshop: Travel Journal Writing	Todd Pinney, Ph.D.	3	60042	\$300
ENGL	3553	650	Chaucer: The Canterbury Tales	Zelda Rouillard, Ph.D.	3	60043	\$300
ENGL	3563	650	Shakespeare 1	Rhonda Sanford, Ph.D.	3	60044	\$300
ENGL	3573	650	Shakespeare 2	Rhonda Sanford, Ph.D.	3	60045	\$300
ENGL	3655	640	American Literature to 1860	Todd Pinney, Ph.D.	3	60046	\$360
ENGL	3655	650	American Literature to 1860	Todd Pinney, Ph.D.	3	60047	\$360
ENGL	3665	640	American Literature after 1860	Todd Pinney, Ph.D.	3	60048	\$360
ENGL	3665	650	American Literature after 1860	Todd Pinney, Ph.D.	3	60049	\$360
ENGL	4100	650	The English Language	Zelda Rouillard, Ph.D.	3	60050	\$300

*** SECTION LEGEND**

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- 58x = online, term-based course

Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
FINE ARTS							
FINE	1012	650	Drawing I	Patricia Cheyne, M.F.A.	3	60051	\$300
FINE	3637	650	Art for the Elementary Teacher	Patricia Cheyne, M.F.A.	3	60052	\$300
GEOGRAPHY							
GEOG	1001	650	Environmental Systems 1: Climate and Vegetation	Dixon Smith, Ph.D.	4	60053	\$400
GEOG	1011	650	Environmental Systems 2: Landscapes and Water	Dixon Smith, Ph.D.	4	60054	\$400
GEOG	1992	640	Human Geographies	Leigh Miller, M.A.	3	60055	\$360
GEOLOGY							
GEOL	1010	640	Introduction to Geology 1	Emily CoBabe, Ph.D.	3	60056	\$360
GEOL	1010	650	Introduction to Geology 1	Emily CoBabe, Ph.D.	3	60057	\$360
GEOL	1020	650	Introduction to Geology 2	Hilde Schwartz, Ph.D.	3	60058	\$300
HISTORY							
HIST	1010	640	Western Civilization 1: Antiquity to the 16th Century	Jeanne Christensen, M.A.	3	60059	\$360
HIST	1010	650	Western Civilization 1: Antiquity to the 16th Century	Jeanne Christensen, M.A.	3	60060	\$360
HIST	1015	650	History of the United States to 1865	James Fell, Ph.D.	3	60061	\$300
HIST	1020	640	Western Civilization 2: 16th Century to the Present	Jeanne Christensen, M.A.	3	60062	\$360
HIST	1020	650	Western Civilization 2: 16th Century to the Present	Jeanne Christensen, M.A.	3	60063	\$360
HIST	1025	650	History of the United States since 1865	James Fell, Ph.D.	3	60064	\$300
HIST	2117	640	History of Colorado	James Fell, Ph.D.	3	60065	\$360
HIST	2117	650	History of Colorado	James Fell, Ph.D.	3	60066	\$360
HIST	4217	650	The American West in the Nineteenth Century	Anthony McGinnis, Ph.D.	3	60067	\$300
HIST	4227	650	The American West in the Twentieth Century	Anthony McGinnis, Ph.D.	3	60068	\$300
HIST	4733	640	The Russian Revolution and the Soviet Regime	John Hatch, Ph.D.	3	60069	\$360
JOURNALISM							
JOUR	1001	640	Contemporary Mass Media	Rebecca Self Hill, Ph.D.	3	60070	\$360
JOUR	3771	640	Mass Communication History	Cinda Gillilan Ph.D.	3	60071	\$360

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Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
KINESIOLOGY AND APPLIED PHYSIOLOGY							
KAPH	3420	640	Nutrition, Health, and Performance	Mary Beth Monroe, Ph.D.	3	60072	\$360
KAPH	3420	650	Nutrition, Health, and Performance	Frank Konishi, Ph.D.	3	60073	\$360
MATHEMATICS							
MATH	1011	650	Fundamentals and Techniques of College Algebra	Brian Clark, M.A.	3	60074	\$300
MATH	1021	650	Numerical and Analytical College Trigonometry	Kristen Marshall, Ph.D.	2	60075	\$200
MATH	1071	650	Finite Mathematics for Social Science and Business	Kristen Marshall, Ph.D.	3	60076	\$300
MATH	1081	650	Calculus for Social Science and Business	Kristen Marshall, Ph.D.	3	60077	\$300
MATH	1300	650	Analytic Geometry and Calculus 1	Brian Clark, M.A.	5	60078	\$500
MATH	2300	650	Analytic Geometry and Calculus 2	Kristen Marshall, Ph.D.	5	60079	\$500
MUSIC							
EMUS	1081	650	Basic Music Theory	Debbie Corisis, M.A.	3	60032	\$300
PHILOSOPHY							
PHIL	1000	650	Introduction to Philosophy	Barbara Morrison, Ph.D.	3	60080	\$300
PHIL	1100	650	Ethics	Barbara Morrison, Ph.D.	3	60081	\$300
PHIL	1600	650	Philosophy and Religion	Barbara Morrison, Ph.D.	3	60082	\$300
PHIL	4040	650	Studies in Twentieth-Century Philosophy	Barbara Morrison, Ph.D.	3	60083	\$300
POLITICAL SCIENCE							
PSCI	1101	650	The American Political System	Jeffrey Ian Ross, Ph.D.	3	60084	\$300
PSCI	2223	650	Introduction to International Relations	Jeffrey Ian Ross, Ph.D.	3	60085	\$300
PSYCHOLOGY							
PSYC	1001	650	General Psychology	Tim Bockes, Ph.D.	3	60086	\$300
PSYC	2012	640	Biological Psychology 1	Howard Bashinski, Ph.D.	3	60087	\$360
PSYC	2012	650	Biological Psychology 1	Howard Bashinski, Ph.D.	3	60088	\$360
PSYC	2022	650	Biological Psychology 2	Howard Bashinski, Ph.D.	3	60089	\$300
PSYC	2303	640	Psychology of Adjustment	ShawnaLee Washam Ph.D.	3	60090	\$360
PSYC	2303	650	Psychology of Adjustment	ShawnaLee Washam Ph.D.	3	60091	\$360
PSYC	2606	640	Social Psychology	Brett King, Ph.D.	3	60092	\$360
PSYC	2606	650	Social Psychology	Brett King, Ph.D.	3	60093	\$360
PSYC	3101	640	Statistics and Research Methods in Psychology	Howard Bashiniski, Ph.D.	4	60094	\$480
PSYC	3101	650	Statistics and Research Methods in Psychology	Howard Bashiniski, Ph.D.	4	60095	\$480

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Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
PSYCHOLOGY <i>(continued)</i>							
PSYC	4303	640	Abnormal Psychology	Brett King, Ph.D.	3	60096	\$360
PSYC	4303	650	Abnormal Psychology	Brett King, Ph.D.	3	60097	\$360
PSYC	4456	640	Psychology of Personality	Tim Bockes, Ph.D.	3	60098	\$360
PSYC	4456	650	Psychology of Personality	Tim Bockes, Ph.D.	3	60099	\$360
PSYC	4511	650	History of Psychology	Wayne Viney, Ph.D.	3	60100	\$300
PSYC	4684	640	Developmental Psychology	Cheryl Sanders, Ph.D.	3	60101	\$360
PSYC	4684	650	Developmental Psychology	Cheryl Sanders, Ph.D.	3	60102	\$360
SOCIOLOGY							
SOCY	1001	640	Analyzing Society	Steve Wilson, Ph.D.	3	60103	\$360
SOCY	1001	650	Analyzing Society	Steve Wilson, Ph.D.	3	60104	\$360
SOCY	1005	650	Social Conflict and Social Values	Roxanne Rhodes, M.A.	3	60105	\$300
SOCY	1016	650	Sex, Gender and Society 1	Eleanor Hubbard, Ph.D.	3	60106	\$300
SOCY	4014	641	Criminology	Steve Wilson, Ph.D.	3	60107	\$360
SOCY	4014	650	Criminology	Steve Wilson, Ph.D.	3	60108	\$360
SOCY	4025	640	Conflict Management in Social Systems	Guy Burgess, Ph.D.	3	60109	\$360
SOCY	4086	641	Family and Society	Eleanor Hubbard, Ph.D.	3	60110	\$360
WRITING AND RHETORIC							
WRTG	3020	584	Topics in Writing: American Culture	Anne Bliss, Ph.D.	3	60243	\$474
WRTG	3040	584	Writing on Business and Society	Amy Goodloe Ph.D.	3	60241	\$474
WRTG	3040	585	Writing on Business and Society	Amy Goodloe Ph.D.	3	60242	\$474
WRTG	3040	586	Writing on Business and Society	Anne Bliss, Ph.D.	3	60244	\$474
WRTG	3040	587	Writing on Business and Society	Amy Goodloe Ph.D.	3	60245	\$474
WRTG	3040	588	Writing on Business and Society	Amy Goodloe Ph.D.	3	60246	\$474

Learn...grow...become...

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Summer 2002 Term-Based Web Courses

These courses are offered on a term basis in order to provide rich interaction with your instructor and the other students in the course. They follow a calendar of assignments and examinations. Note the term dates carefully. These courses are conducted as virtual seminars, requiring significant amounts of writing and significant amounts of interaction with the instructor and other students. Plan on 90 hours of work in addition to approximately 45 hours with the study guide.

ENGLISH

Introduction to Literary Theory

ENGL 2010

3 SEMESTER HOURS

Introduces students to a wide range of critical theories that English majors need to know. Covers major movements in modern literary/critical theory, from Matthew Arnold through new criticism to contemporary post-modern frameworks. Required for all English majors. Restricted to English majors only.

Section 584: Call No. 60247

Dates: June 10-August 2

Instructor: Christine McDonald, Ph.D.

Tuition: \$474.

WRITING AND RHETORIC

Topics in Writing: American Culture

WRTG 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.

Section 584: Call No. 60243

Dates: July 9-August 9

Instructor: Anne Bliss, Ph.D.

Tuition: \$474.

Writing on Business and Society

WRTG 3040

3 SEMESTER HOURS

Through selected readings and daily writing assignments, students examine ethical and social issues that arise in business. Focusing on critical thinking, analytical and argumentative writing, and oral presentation, the course emphasizes effective communication with nontechnical audiences. Approved for arts and sciences core curriculum: written communication.

Section 584: Call No. 60241

Section 585: Call No. 60242

Dates: June 3-July 5

Instructor: Amy Goodloe, Ph.D.

Tuition: \$474.

Section 586: Call No. 60244

Dates: July 9-August 9

Instructor: Anne Bliss, Ph.D.

Tuition: \$474.

Section 587: Call No. 60245

Section 588: Call No. 60246

Dates: July 10-August 2

Instructor: Amy Goodloe, Ph.D.

Tuition: \$474.

The Professional Development Certificate in Teaching or Interpreting American Sign Language (ASL)

The Professional Development Certificate offers an opportunity for people interested in teaching ASL or teaching interpreting to earn graduate level university credit, enhance their knowledge, and interact with others in the field. And all of this is available without leaving home! Students access courses via the Web from their own computers. With this technology we are able to offer courses to many people who cannot leave their work or family to attend classes. This program is the first of its kind—a distance education program for teachers of ASL and interpreting.

Additional information at: www.colorado.edu/slhs/ASLcert/, or call: toll-free TTY 877-613-9457, Toll-free Voice 877-613-9458.

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 successfully complete courses. 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 on the Web at 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 \$90 per course. Syllabus and texts 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 1955 Consumer Education and Economics
HBUS 2355 Beginning Accounting I
HBUS 2455 Beginning Accounting II
HBUS 2756 Business English and Communication

ENGLISH

HENG 0155 Basic Grammar 1
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 3956 Advanced Algebra 1
HMTH 4056 Advanced Algebra 2
HMTH 4356 Precalculus 1: Analytical Geometry and Algebra
HMTH 4456 Precalculus 2: Trigonometry

SCIENCE

HSCI 0157 Health Science 1
HSCI 0256 Health Science 2
HSCI 2557 Biology 1
HSCI 2656 Biology 2
HSCI 5155 Biology 3: Advanced Biology

SOCIAL STUDIES

HSST 0156 Civics
HSST 0355 Sociology
HSST 0755 Psychology
HSST 1755 Ethnic Studies and Human Relations
HSST 2158 World Geography 1
HSST 2257 World Geography 2
HSST 3156 World History 1
HSST 3256 World History 2
HSST 3357 American History 1
HSST 3457 American History 2
HSST 3756 American Government: Theories, Policies, and Politics
HSST 3856 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)

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, Mechanical Engineering and Telecommunications.
- Courses given 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.

Term A (June 3-July 5, 5-week session)

TELECOMMUNICATIONS

TLEN 5300	Telecommunications Theory and Application Help Session	Mitchell	8-10:05 9-10	M-R F
TLEN 5834	Telecommunications Programming	Mitchell	2:15-4	M-F
TLEN 5837	Video and Technology	Borsuk	9-11:45	MWF
TLEN 5350T	Satellite Communications	Mitchell	10:15-2	M-F
TLEN 5500T	Cable TV	Bardsley	12:30-3:30	M-F

Term C (June 4-July 27, 8-week session)

ENGINEERING MANAGEMENT

EMEN 5042	Methods for Quality Improvement	Hensler	1-3:30	TR
EMEN 5050	Leadership and Management	Micucci	9:30-12	TR

HOW TO REGISTER FOR CATECS COURSES

Registration for Summer 2002 Courses: May 1-24
Late Registration: May 25-June 7

1. Complete the *Registration* form available from our web site at www.colorado.edu/CATECS or from the CATECS Office at 303-492-6331.
2. Mail, fax or bring your registration form to CATECS (do not both fax and mail your form). If faxing, call the same day to confirm receipt.
3. You will receive a confirmation packet by mail within two weeks of receipt.
4. Call the CU Book Store about three weeks prior to the first class to verify the correct text(s) and place your order: 800-255-9168 or 303-492-3444 or online at cubooks.colorado.edu
5. Tuition for all CATECS courses is \$1,200 per 3-credit course



For more information about CATECS, courses offered, and registration: 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 Boulder main campus undergraduate or graduate courses after most degree-seeking students have registered.



Registration for Fall semester begins Friday, August 23 and classes begin Monday, August 26. Call 303-492-5148 for more information or visit the ACCESS web site at www.colorado.edu/conted/access.htm.

HIGH SCHOOL CONCURRENT PROGRAM

If you are a high school student interested in the challenge of university coursework, you can enroll in Summer Session 2002 or Boulder Evening credit courses at the University of Colorado at Boulder. In addition, you may be able to use the credit you earn toward high school graduation requirements and for college credit. Participation in the High School Concurrent Program requires written permission from your high school counselor and parent/guardian. You may obtain more information on Boulder Evening courses in this catalog and on the Summer Session 2002 courses at www.colorado.edu/summersession.

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 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 303-492-6226 for an application and more information or visit the High School Concurrent web site at www.colorado.edu/conted/hsconcur.htm.



SUMMER SESSION

Boulder campus summer classes are smaller, more relaxed and more personal. Different terms allow you to take classes and have time to work, travel, relax or participate in an internship.

Many students appreciate the opportunity to focus on math, biology, chemistry or physics during the summer. Have you always wanted to take a drawing, painting or art history class? Summer is the time. Interested in business, journalism, engineering or music classes? Check out the summer 2002 offerings. Enjoy Boulder in the summer and take advantage of more than 500 classes.

We welcome high school students, undergraduates, graduate students and others to join us in Boulder. Different terms help you plan the classes you need around your schedule. Consider taking one class in the 3-week Maymester. There are also 5-week, 8-week, 10-week and intensive terms.



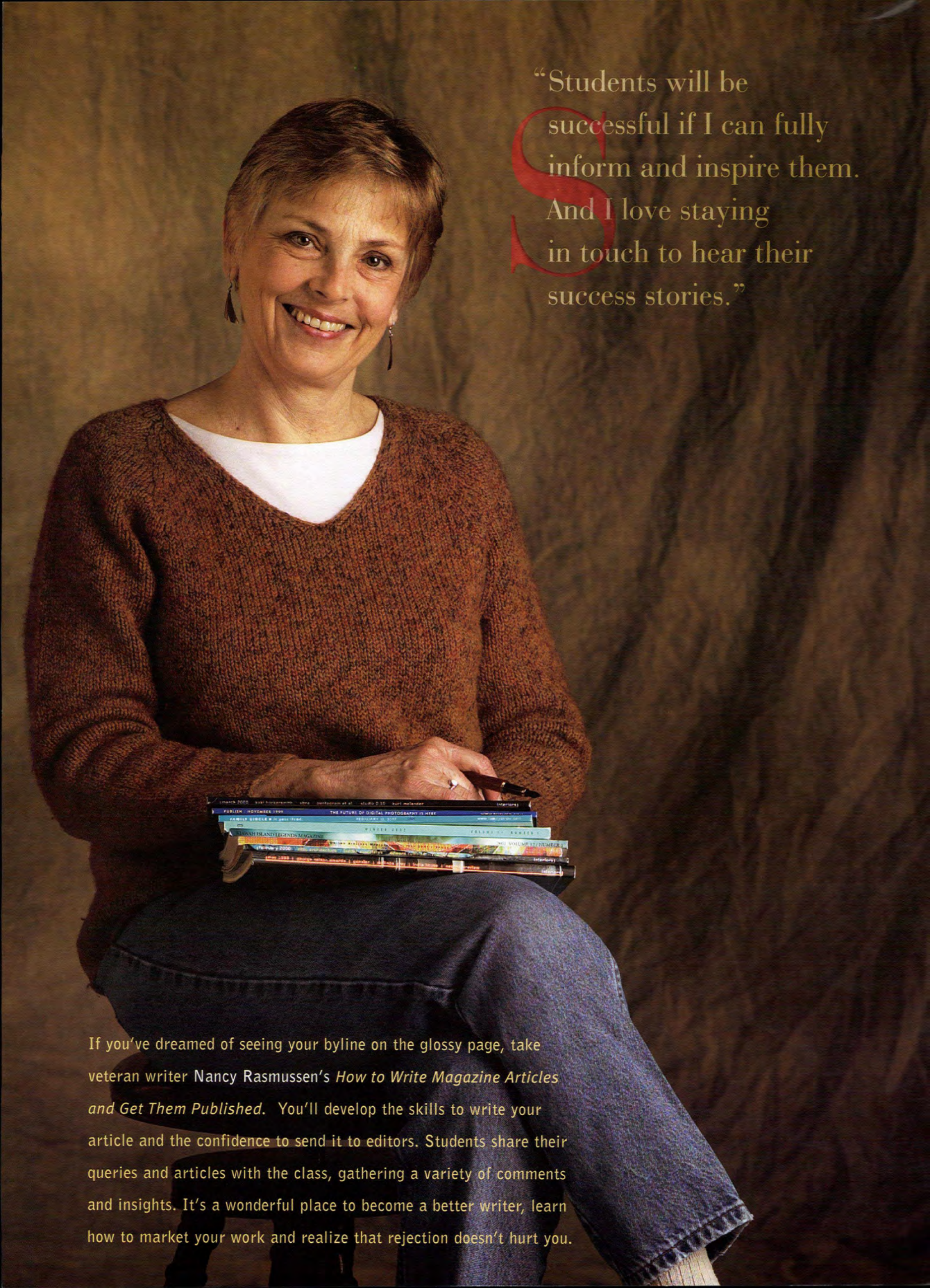
For more information on Summer Session call 303-492-5148 or visit the web site at www.colorado.edu/summersession.

DEGREE COMPLETION PROGRAM

Students who have earned a two-year associate's degree or who have not completed their traditional bachelor's program have an opportunity to complete their degrees through a special new program at the University of Colorado at Boulder. In cooperation with the CU-Boulder College of Arts and Sciences, the Division of Continuing Education is now offering a unique degree completion program that will allow students to earn a bachelor's degree with a distributed studies major from CU-Boulder.

The program may be accessed through the Boulder Evening and Independent Learning Programs, with some long-distance options over the Internet.

Distributed Studies degrees are available in English and psychology over the Internet, and in English, psychology, sociology and history through the Boulder Evening Program. Interested students should call 303-492-8252 to make an appointment with an advisor or visit the web site at www.colorado.edu/conted/degree.htm.



“Students will be successful if I can fully inform and inspire them. And I love staying in touch to hear their success stories.”

If you've dreamed of seeing your byline on the glossy page, take veteran writer Nancy Rasmussen's *How to Write Magazine Articles and Get Them Published*. You'll develop the skills to write your article and the confidence to send it to editors. Students share their queries and articles with the class, gathering a variety of comments and insights. It's a wonderful place to become a better writer, learn how to market your work and realize that rejection doesn't hurt you.

PERSONAL ENRICHMENT courses enable you to enjoy courses tailored to your personal interests in a convenient, noncredit format. The program includes a broad range of popular offerings including foreign language study, creative writing, and fine arts classes. These classes are just for you – just for fun!

- Bonjour! Hola! Learn a new language.
- Write that Great American Novel.
- Tap into your creative side with painting and drawing.
- Learn how to take the perfect photo.

Tuition and classroom information are listed at the end of each course description. Early registration is advised as class sizes are limited. Full refunds are given on request prior to the second class meeting. Please keep in mind that non-attendance or non-payment does not constitute withdrawal. If you would like to withdraw from a course, contact the Division of Continuing Education. Only preregistered students may attend class.

Foreign Language Classes

Students enrolled in Continuing Education Foreign Language classes may use the University of Colorado Anderson Language Technology Center (ALTEC). Located in Hellems Hall, the lab provides state-of-the-art audio, video, and print materials for language students. A receipt for your Continuing Education language class is all that you need to use the facility.

Fine Arts Classes

Fine Arts students should call our registration office at 303-492-5148 for a supply list or visit our web site at www.colorado.edu/conted/nca.htm

Proof of Completion

On occasion, students enrolled in personal enrichment courses require proof that they completed their course. Attendance of at least half of the class sessions is required for completion of the course. Upon request, students who have completed their course will be provided with a letter of completion and/or a noncredit transcript.

Scholarships

Students who are 25 years of age or older are eligible for the Nontraditional Student Scholarship for Continuing Education enrollment. May 13 is the summer application deadline. Scholarship awards range up to \$365. Applications are available at Continuing Education or can be found on the Web at www.colorado.edu/scholar.htm.

Faculty/Staff Registration

CU-Boulder faculty and staff on at least a 50% permanent appointment are eligible for a 25% discount off tuition. Proof of appointment is required to receive this discount. Call 303-492-5148 for more information.

24

FINE ARTS

Introduction to Drawing
Figure Drawing
Water Media
Introduction to Oil Painting
Introduction to Book Arts
Fearless Basic Photography
Creative Photography Workshop

25

FOREIGN LANGUAGES

French: Beginning Conversational Skills
French: Conversational Skills for Advanced Beginners
Italian: Beginning Conversational Skills
Japanese: Beginning Conversational and Written Skills
Japanese: Conversational and Written Skills for Advanced Beginners
Portuguese: Beginning Conversational Skills
Spanish: Beginning Conversational Skills
Spanish: Conversational Skills for Advanced Beginners
Spanish: Intermediate Conversational Skills

26

THEATRE

Acting Basics
Behind the Scenes! The Colorado Shakespeare Festival

27

WRITING

Creative Writing
Travel Writing
How to Sell What You Write to a Publisher
How to Write Magazine Articles...and Get Them Published
Publicity for Writers



FINE ARTS

Introduction to Drawing
NCFA 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. Please bring materials for the first night.

Kimberlee Sullivan, M.F.A. in Painting and Drawing from CU-Boulder, is an Associate of the Rocky Mountain Women's Institute. Her work is on display at the Carson Masuoka Gallery in Denver.

Section 100: Tuesdays, June 4-July 9, 6:30-8:30 p.m., Fine Arts N298. 6 sessions. \$130.

Figure Drawing
NCFA 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. Call 303-492-5148 for a supply list.

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 100: Wednesdays, June 5-July 24, 6:30-8:30 p.m., Fine Arts N298. 8 sessions. \$170.

Water Media
NCFA 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. Call 303-492-5148 for a supply list.

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 100: Mondays, June 3-July 22, 6:30-8:30 p.m., Fine Arts N298. 8 sessions. \$170.

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 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. Call 303-492-5148 for a supply list. Please bring all materials to the first class meeting. No previous painting experience is necessary.

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

Section 100: Tuesdays, June 11-July 30, 6:30-8:30 p.m., Fine Arts N103. 8 sessions. \$170.

Introduction to Book Arts
NCFA 080

Have you ever wanted to learn how to make a book? This course is designed to introduce students to the world of book arts from simple cut and fold structures created with a single sheet of paper to traditional books with hard covers. This class will cover materials (paper, board, adhesive), techniques (cutting, folding, tearing, and pasting), and a variety of book structures (cut and fold books, explosion books, tunnel books, a traditional case bound book, and a Coptic stitch photo album). No previous binding experience is necessary. Some materials will be provided. A basic materials list will be distributed at the first class meeting.

Mia Semingson, M.F.A. in photography from CU-Boulder, has taught photography at the college level since 1996. She has taught book arts on campus.

Section 100: Wednesdays, June 5-July 24, 6:30-9 p.m., Fine Arts C153. 8 sessions. \$220.

Fearless Basic Photography
NCFA 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 lenses, 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 SLR camera and enthusiasm for learning a new skill. Digital and "point and shoot" cameras are not appropriate.

Mia Semingson, M.F.A. in photography from CU-Boulder, has taught photography at the college level since 1996. She currently is teaching photography at CU-Boulder and has exhibited her work nationally and internationally.

Section 100: Mondays, June 3-July 22, 6:30-8:30 p.m., Ketchum 120. 8 sessions. \$160.

Creative Photography Workshop NCFA 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 100: Thursdays, June 27-August 8 (no class July 4), 7:30-9:30 p.m., Economics 2. 9 sessions. \$205.

FOREIGN LANGUAGES

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.

Joanna Radin is a graduate student at CU-Boulder in French. She has experience teaching French at high school and college levels.

Section 100: Mondays, June 3-July 22, 6-8 p.m., Hellems 247. 8 sessions. \$170.

French: Conversational Skills for Advanced Beginners NCFL 200

Students should be able to use the present tense before taking this class. Increased vocabulary and speaking skills are stressed.

Joanna Radin is a graduate student at CU-Boulder in French. She has experience teaching French at high school and college levels.

Section 100: Wednesdays, June 5-July 24, 6-8 p.m., Hellems 247. 8 sessions. \$170.

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.

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

Section 101: Wednesdays, June 5-July 24, 6:30-8:30 p.m., Hellems 251. 8 sessions. \$170.

Joy Ramirez, M.A. in Italian from CU-Boulder, has lived in Florence and Perugia, Italy. She has taught at CU and the University of Oregon.

Section 102: Mondays and Wednesdays, July 10-August 5, 5:30-7:30 p.m., Hellems 255. 8 sessions. \$170.

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 are introduced.

Minori Murata is a native of Japan and teaches Japanese language courses for the CU-Boulder Department of East Asian Languages and Culture.

Section 100: Mondays and Wednesdays, June 3-26, 6-8 p.m., Humanities 145. 8 sessions. \$170.



When Clay Kark signed up for Wendy Mendez's Spanish class, he thought the only thing that would happen is he'd start learning a new language. He did, but he also met interesting people. "The social aspect is nice – I'm making friends in class." As many students discover, Continuing Ed classes are great places to broaden your horizons, both educationally and socially.

(Foreign Languages continued)

Japanese: Conversational Skills for Advanced Beginners NCFL 204

This second-level course continues the development of oral and written skills. The course is designed for students with an introductory knowledge of Japanese learned from a year or more of high school Japanese, a semester or more of college, or extensive travel in Japan.

Minori Murata is a native of Japan and teaches Japanese language courses for the CU-Boulder Department of East Asian Languages and Culture.

Section 100: Mondays and Wednesdays, July 8-31, 6-8 p.m., Humanities 125. 8 sessions. \$170.

Portuguese: Beginning Conversational Skills NCFL 106

This course will utilize a dynamic approach to introduce colloquial Portuguese for business and travel. Basic grammar points will be covered within the context of daily situations in the Brazilian culture. Required text *Avenida Brasil 1*, is available at the CU Bookstore.

Bia Yordi, M.A., is a native Portuguese speaker from Brazil and has taught Portuguese at CU-Boulder since 2000.

Section 100: Mondays and Wednesdays, June 3-26, 6:30-8:30 p.m., Hellems 255. 8 sessions. \$170.

Spanish: Beginning Conversational Skills NCFL 103

Basic but lively conversational Spanish for travelers. We stress practical vocabulary. Required text, *Getting Along in Spanish*, by Jarvis, 5th edition, available at the CU Bookstore.

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

Section 101: Mondays and Wednesdays, June 3-26, 7-9 p.m., Ketchum 235. 8 sessions. \$170.

Itza Zavala, M.A., is a native speaker from Mexico City and is working on her Ph.D. in Spanish at CU-Boulder. Since 1994, Itza has taught Spanish in the U.S. to students of all ages and has taught college level courses at Western Michigan University and at CU.

Section 102: Tuesdays and Thursdays, June 4-27, 6:30-8:30 p.m., Hellems 247. 8 sessions. \$170.

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*, by Jarvis, 5th edition, available at the CU Bookstore.

Veronica Loureiro-Rodriguez is currently working on her master's degree in Spanish Literature at CU-Boulder and teaches first-year Spanish on campus. She is a native of Spain.

Section 101: Tuesdays and Thursdays, June 4-27, 6:30-8:30 p.m., Hellems 255. 8 sessions. \$170.

Wendy Mendez, M.A. in Spanish from CU-Boulder, has taught high school Spanish in New York. She is a native of the Dominican Republic.

Section 102: Tuesdays and Thursdays, July 9-August 1, 6:30-8:30 p.m., Hellems 255. 8 sessions. \$170.

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 100: Tuesdays and Thursdays, June 4-27, 7-9 p.m. Ketchum 235. 8 sessions. \$170.

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 from CU-Boulder, teaches theatre on campus. She has written and performed numerous original works in the Boulder/Denver area. Beth has completed a book on acting around the world and has done research in Southeast Asia.

Section 100: Mondays, June 24-July 29, 6:30-8:30 p.m., Economics 119. 6 sessions. \$120.

Behind the Scenes! The Colorado Shakespeare Festival NCTH 001

Come join us for a behind the scenes peek at the plays and productions of the 2002 Colorado Shakespeare Festival. Meet CSF actors and artists for backstage tours and informal pre-show discussions of the plays, then stay for the show. This year we offer *Macbeth*, *Richard III*, *A Midsummer Night's Dream*, and the Shakespearean comedy revue, *Shakespeare in Briefs!*. Ticket price is included in the tuition so there will be no refunds.

Melinda J. Scott, B.F.A. from CU-Boulder, is the educational director for the CSF and has been a theatre practitioner for two decades. Melinda has taught and directed for the Boulder Conservatory Theatre serving as a member of their artistic team for two years.

Section 101: *A Midsummer Night's Dream*, Wednesday, July 10, 6:15-8:15 p.m., Hellems 252. 1 session. \$60.

Section 102: *Macbeth*, Wednesday, July 17, 6:15-8:15 p.m., Hellems 252. 1 session. \$60.

Section 103: *Shakespeare in Briefs!*, Wednesday, July 24, 5:15-7:15 p.m., Hellems 252. 1 session. \$60.

Section 104: *Richard III*, Wednesday, July 31, 6:15-8:15 p.m., Hellems 252. 1 session. \$60.

WRITING

Creative Writing
NC W 006

Creative Writing is a great method for exploring and expanding your creative voice. Through in-class language games and imaginative exercises, we will explore dialog, characterization, narrative, and style, in addition to discussing relevant books. If you have stories to tell, or think that the time has come to express your creativity, this class will show you ways to go forward.

Graham Averill, M.A. in English-Creative Writing from CU-Boulder, is a published short story writer who won the 2001 Jovonovich Award in Fiction at CU. Graham also writes a column that appears weekly in the Friday Magazine of the Boulder Daily Camera.

Section 100: Tuesdays, June 4-July 9, 6:30-9 p.m., Economics 2. 6 sessions. \$150.

Travel Writing
NC W 088

Whether you want to enhance your traveling experience or pay for your trip, this class will teach you how to write travel articles for magazines and newspapers. Learn about different types of travel articles, how to find the right idea, how to write the article's lead and conclusion, as well as how to construct effective sidebars, take good notes, do the research and get helpful photographs. Study the works of published names in travel writing for a greater appreciation of this specialized form of writing. Through homework assignments, students will receive ongoing instructor feedback.

Su Wright, B.S., is a freelance writer who has published articles in national and local magazines and newspapers. She also worked for a local magazine as copyeditor, was editor of a weekly newspaper and feature editor for a local monthly newspaper. She is a former contributing editor and writer to Fodor Travel Guides and is under contract to write travel guidebooks.

Section 100: Wednesdays, June 5-26, 6:30-8:30 p.m., Hale 240. 4 sessions. \$80.

How to Sell What You Write
to a Publisher

NC W 090

You have a great idea for a book, or maybe you're already writing a book but you're not sure how to market it. How do you convince a reputable publisher to publish your book? Should you hire an agent, or negotiate a contract yourself? How do you find a good agent? Through this informative and entertaining workshop, you will learn what editors are looking for before starting your project. You will learn how to create a winning book proposal and sell your idea before completing the project. You will also have the opportunity to have your ideas and proposals critiqued in class.

Ying Compestine has sold eight books to three major publishers, both with and without an agent. She is a regular contributor to national magazines and frequently lectures on writing at literary conferences. Her books have been featured on TV and radio and in magazines and newspapers around the country.

Section 100: Saturday, August 17, 9 a.m.-4 p.m., Continuing Education Center 140. 1 session. \$100.

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, query letters, catchy openings, how to write an organized yet creative article, and finally how to market 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 10 years. She currently writes and proofreads for the CU-Boulder alumni magazine The Coloradan.

Section 100: Mondays, June 10-July 1, 6:30-8:30 p.m., Hale 236. 4 sessions. \$80.

Publicity for Writers
NC W 099

This two-day workshop will show writers how to attract and manage media attention to help them sell their books. Students will get practice in writing releases, writing a media kit, preparing for interviews, and being interviewed for print, radio, or television. Also included will be practice for that key public performance for writers: the reading. Students will participate (and come dressed for the part) in mock television appearances and receive valuable feedback. They will also practice being interviewed with their own scripted interview questions and with a few of the curveball questions that are typical of some radio hosts.

Bruce Holland Rogers, M.A. in English from CU-Boulder, is a published writer whose works span the literary spectrum. He has won a Pushcart Prize, a Bram Stoker Award in horror and two Nebula Awards in science fiction. Two of Bruce's short story collections have been published and numerous works have appeared in magazines and published anthologies.

Section 100: Saturday and Sunday, May 25-26, 9 a.m.-5 p.m., Continuing Education Center 140. 2 sessions. \$160.

learn...grow...become...

M
“My goal is to help
students discover their
own image and style
and develop it for
their portfolio.”



Yearning to express yourself with keyboard and mouse?

Brandon Berman teaches several computer graphic design classes, including Photoshop, Flash and the Web Graphics Project course, the capstone course for the Certificate in Web Graphics. “I love being on a personal level with everyone in the class. I tailor assignments to individual students, plus I make it fun.” So, come, integrate your skills into your own work of art and launch it into cyberspace!

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 Network Administration, Programming, Web Site Design and Web Graphics.*

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 accepted in place of the prerequisite(s). If you are unsure you have the necessary background to satisfy the prerequisite requirement, please call 303-492-6596.

Grading Policy

All computer applications courses are noncredit and do not apply toward any degree programs. There are two levels of grading depending on your education goals. The first level is the full assessment level, which is mandatory for anyone seeking to complete one of the computer certificate programs. We also recommend this level to all students wanting to get the most out of their computer applications course. Students in the first level receive a satisfactory (S) or unsatisfactory (U) mark. Attendance, quizzes, and/or homework assignments determine a satisfactory or unsatisfactory assessment. The second level of grading is for students not wanting to be assessed at all. These students must request to receive a no credit (NC) mark.

If you are working toward a certificate in Web Graphics, Programming, Network Administration, or Web Site Design, you must receive a satisfactory mark in all courses that apply toward the certificate. If you receive an unsatisfactory or no credit mark and wish to obtain a certificate, you must take the course over again and obtain a satisfactory mark.

Textbooks

Certain courses require or recommend textbooks. This will be indicated in the course descriptions. All textbooks are available at the University Book Store in the University Memorial Center (UMC), room number 10, or visit their web site at cubooks.colorado.edu.

OTHER MISCELLANEOUS INFO

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 page 49 for other course locations.

www.colorado.edu/conted

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 **three business days** before it begins. **No refunds will be issued after this time** as we will not be able to replace your seat in class.

Course Cancellations

Courses may be cancelled due to low enrollment. To reduce the risk of a course being cancelled, we ask students to please register at least two weeks prior to the first class meeting. Courses may also be cancelled due to severe weather. The chancellor closes the campus only in extreme weather conditions. In this situation, call 303-735-5000 for cancellation announcements.


CU-Boulder Faculty, Staff and Student Discounts

CU-Boulder faculty, staff and students are eligible for a 25% tuition discount. To qualify as a faculty or staff member, you must be a permanent employee with at least a 50% appointment. A copy of a current employment record is required to receive this discount. To qualify as a student, you must be enrolled for credit courses at least half-time through CU-Boulder. Call 303-492-5148 for more information.

Scholarships

Students who are 25 years of age or older may be eligible for the Nontraditional Student Scholarship for Continuing Education courses. May 13 is the application deadline. Scholarship awards range up to \$365. Applications are available at Continuing Education or can be found on the Web at www.colorado.edu/conted/scholar.htm.

Notes

The  symbol next to a course title signifies it is a lecture-based only course. All other courses are hands-on. Please note that most hands-on courses will take place in a PC lab, unless otherwise specified.

The course descriptions in this catalog are brief. For a detailed overview of each course, go to www.colorado.edu/conted/computer.htm. Select a course and click on *Course Overview* at the end of the course description.

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

Visit our web site at www.colorado.edu/conted/computer.htm.



Certificate Programs

We offer certificate programs in Network Administration, Web Site Design, Web Graphics 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. The course you plan to use as a substitute must relate to the certificate you are working on. **Approval must be obtained for the substitution. You may substitute up to two courses only.** For a substitution request, complete a form online at www.colorado.edu/conted/cpsub.htm. You may also e-mail us at cecas@colorado.edu.

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

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



CERTIFICATE IN WEB GRAPHICS

This certificate is designed to give you a solid background of layout and design fundamentals and to develop a strong understanding of interface design. You will also learn to manipulate graphics for use on the Web in multiple formats. This is a great opportunity for you to start your portfolio!

For this certificate, you must complete the seven core courses, two electives and the capstone course. To ensure you get the most out of each course and can actively participate in class, please make sure you have met the prerequisite requirement(s). See the *Prerequisite* section under *General Course Information*.

A. Core Courses (all courses required)

- CAGR 1121 Introduction to Graphic Design
- CAGR 2111/2121 Introduction to Photoshop
- CAGR 3111/3121 Photoshop for the Web
- CAGR 2211/2221 Illustrator Level I
- CAWB 2301 Introduction to HTML
- CAWB 2511 Introduction to Motion Graphics Using Flash
- CAWB 2611 Dreamweaver

B. Electives (choose two)

- CAGR 3321 Macromedia Director Shockwave Studio
- CAGR 3211 Illustrator Level II
- CAGR 3421 Multimedia Solutions
- CAWB 2411 Web Site Design with FrontPage
- CAWB 3512 Intermediate Motion Graphics Using Flash

C. Capstone Course

- All the required courses listed in A and B above must be successfully completed before you can enroll in this course.
- CAGR 9001 Web Graphics Project

CERTIFICATE IN NETWORK ADMINISTRATION

For this certificate, you must complete the required courses in one of the two tracks (Windows/Intel or UNIX), the core courses, an administrative course, a programming course and a database course. To ensure you get the most out of each course and can actively participate in class, please make sure you have met the prerequisite requirement(s). See the *Prerequisite* section under *General Course Information*.

A. Choose One of the Following Tracks

1. Windows/Intel Track (both courses in this track are required)
 - CANW 1001 Introduction to Networks
 - CANW 5101 Network Administration
2. UNIX Track (both courses in this track are required)
 - CANW 2301 Introduction to UNIX
 - CANW 3301 Intermediate UNIX

B. Required Core Courses (all courses are required)

- CANW 3101 Computer Architecture
- CANW 4101 Network Operating Systems
- CANW 5401 Wide Area Networking Topics

C. One Administration Course (choose one)

- CANW 2211 Introduction to Windows 2000 Administration
- CANW 3211 Intermediate Windows 2000 Administration
- CANW 5301 UNIX System Administration

D. Programming Course (choose one)

- See page 43 for course listings

E. Database Course (choose one)

- CAAP 2421 Access 2000 (9.0) Level I
- CAAP 3421 Access 2000 (9.0) Level II
- CAAP 4501 Database Design Concepts
- CAAP 4502 Relational Database Concepts and SQL Programming

CERTIFICATE IN WEB SITE DESIGN

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. To ensure you get the most out of each course and can actively participate in class, please make sure you have met the prerequisite requirement(s). See the *Prerequisite* section under *General Course Information*.

A. Required Core Courses

All **five** courses listed below are required and **must be taken in sequence**

- 1st – CAWB 2101 Internet Applications
- 2nd – CAWB 2301 Introduction to HTML
- 3rd – CAWB 3301 Intermediate HTML
- 4th – CAWB 4301 Advanced HTML
- 5th – CAWB 2701 Introduction to JavaScript

B. Other Required Core Course

CAWB 3101 Design Techniques for Web Sites

C. Required Multimedia Elective (choose one)

CAGR 3321 Macromedia Director Shockwave Studio

CAGR 3421 Multimedia Solutions

CAWB 2611 Dreamweaver*

CAWB 2511 Introduction to Motion Graphics Using Flash*

CAWB 3512 Intermediate Motion Graphics Using Flash*

* Note: CAWB 2611, CAWB 2511 and CAWB 3512 cannot be used to fulfill the Multimedia Elective if you are already taking one of these courses to fulfill the Web Course Elective.

D. Required Graphics Elective (choose one)

CAGR 2111/2121 Introduction to Photoshop

CAGR 3111/3121 Photoshop for the Web

CAGR 2211/2221 Illustrator Level I

CAGR 3211/3221 Illustrator Level II

E. Web Course Elective (choose one)

CAWB 2102 Doing Business on the Internet

CAWB 5311 Hypertext Mark-up Language Version 4

CAWB 2411 Web Site Design with FrontPage

CAWB 3702 Intermediate JavaScript

CAWB 2811 ColdFusion

CAWB 2611 Dreamweaver*

CAWB 2511 Introduction to Motion Graphics Using Flash*

CAWB 3512 Intermediate Motion Graphics Using Flash*

* Note: CAWB 2611, CAWB 2511 and CAWB 3512 cannot be used to fulfill the Web Course Elective if you are already taking one 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.

CAWB 9001 Web Site Design Project

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. **Please note that the Introductory Course requirements changed effective Fall 2001. If you started on the programming certificate prior to Fall 2001, you may complete it under the old or new requirements.**

To ensure you get the most out of each course and can actively participate in class, please make sure you have met the prerequisite requirement(s). See the *Prerequisite* section under *General Course Information*.

A. Required Introductory Courses

Option 1: For those with no programming experience/background (all courses are required)

CAPR 1001 Introduction to Programming I

CAPR 2101 Introduction to Programming II

CAPR 3101 Introduction to Programming III

CAPR 3201 Intermediate Application Programming

CAPR 3202 Algorithm Design

Option 2: For those with some programming experience/background (all courses are required)

CAPR 2201 Introduction to Application Programming

CAPR 3201 Intermediate Application Programming

CAPR 3202 Algorithm Design

B. Choose One of Two Tracks

1. C++ Track (all courses required)

CAPR 2102 Introduction to Object-Oriented Programming in C++

CAPR 4101 Intermediate/Advanced C++ Programming

CAPR 5401 Object-Oriented Design Patterns

CAPR 5402 Object-Oriented Analysis and Design

2. Java Track (all courses required)

CAPR 2601 Introduction to Object-Oriented Programming Using Java

CAPR 3601 Java for Object-Oriented Experienced Programmers

CAPR 4601 Advanced Java Programming Language Topics

CAPR 4602 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**

CAPR 4603 Enterprise Java Beans (EJB) Overview

CAPR 5601 GUI Programming in Java

CAPR 5602 Developing Web Applications in Java

CAPR 5603 Java Servlets

CAPR 5604 Network-Embedded Java Programming

CAPR 5605 Java Internationalization

Design Topics

CAPR 5401 Object-Oriented Design Patterns

CAPR 5402 Object-Oriented Analysis and Design

Visual Basic Topics

CAPR 2301 Introduction to Hands-on Visual Basic Programming

CAPR 3301 Intermediate Hands-on Visual Basic Programming

PERL Topics

CAPR 2701 Introduction to PERL for Programmers

CAPR 3702 PERL for Web Application Programming

Database Design Topics

CAAP 4501 Database Design Concepts

CAAP 4502 Relational Database Concepts and SQL Programming

Other Topics

CAPR 3701 Extensible Markup Language (XML)

CAPR 5501 Introduction to Software Project Management

Course Guide

Course Title	Course No./ Section	Start Date	End Date	Time	Total Sessions
Applications...Course descriptions begin on page 34					
Windows 98	CAAP 2121-100	06/03/02	06/10/02	9 a.m.-2:30 p.m.	2
Windows 2000	CAAP 2131-100	06/18/02	06/25/02	9 a.m.-2:30 p.m.	2
Windows XP	CAAP 2141-100	07/10/02	07/17/02	9 a.m.-2:30 p.m.	2
Word 2000 (9.0)	CAAP 2221-100	06/19/02	06/26/02	9 a.m.-2:30 p.m.	2
Excel 2000 (9.0) Level I	CAAP 2321-100	06/05/02	06/05/02	9 a.m.-4 p.m.	1
Excel 2000 (9.0) Level II	CAAP 3321-100	06/12/02	06/12/02	9 a.m.-4 p.m.	1
Access 2000 (9.0) Level I	CAAP 2421-100	06/24/02	06/26/02	9 a.m.-4 p.m.	2
Access 2000 (9.0) Level II	CAAP 3421-100	07/09/02	07/09/02	9 a.m.-4 p.m.	1
Database Design Concepts	CAAP 4501-100	07/16/02	07/23/02	9 a.m.-4 p.m.	2
Relational Database Concepts and SQL Programming	CAAP 4502-100	06/03/02	07/01/02	6-8 p.m.	9
Networking...Course descriptions begin on page 36					
Introduction to Networks	CANW 1001-100	06/04/02	06/13/02	6-9 p.m.	4
Computer Systems Overview	CANW 2101-100	06/17/02	06/27/02	6-9 p.m.	4
Computer Architecture	CANW 3101-100	07/02/02	07/23/02	6-9 p.m.	4
Computer Operating Systems	CANW 3102-100	07/08/02	07/18/02	6-9 p.m.	4
Network Operating Systems	CANW 4101-100	07/22/02	08/01/02	6-9 p.m.	4
Network Administration	CANW 5101-100	07/09/02	07/30/02	6-9 p.m.	4
Wide Area Networking Topics	CANW 5401-100	06/11/02	06/25/02	6-9 p.m.	3
Introduction to Windows 2000 Administration	CANW 2211-100	06/05/02	06/26/02	6-9 p.m.	4
UNIX Survival Skills	CANW 1301-100	07/08/02	08/05/02	6-9 p.m.	5
Introduction to UNIX	CANW 2301-100	06/26/02	08/07/02	6-9 p.m.	7
Web...Course descriptions begin on page 37					
Internet Fundamentals	CAWB 1001-100	06/03/02	06/10/02	6-9 p.m.	2
Internet Applications	CAWB 2101-101	06/08/02	06/15/02	9 a.m.-1:30 p.m.	2
Internet Applications	CAWB 2101-102	06/22/02	06/29/02	9 a.m.-1:30 p.m.	2
Design Techniques for Web Sites	CAWB 3101-101	06/04/02	06/11/02	9 a.m.-12 p.m.	2
Design Techniques for Web Sites	CAWB 3101-102	07/18/02	07/25/02	6-9 p.m.	2
Introduction to Hypertext Mark-up Language (HTML)	CAWB 2301-101	06/06/02	06/27/02	9 a.m.-12 p.m.	4
Introduction to Hypertext Mark-up Language (HTML)	CAWB 2301-102	07/11/02	08/01/02	6-9 p.m.	4
Intermediate Hypertext Mark-up Language (HTML)	CAWB 3301-101	06/06/02	06/20/02	6-9 p.m.	3
Intermediate Hypertext Mark-up Language (HTML)	CAWB 3301-102	07/15/02	07/29/02	6-9 p.m.	3
Advanced Hypertext Mark-up Language (HTML)	CAWB 4301-100	07/10/02	07/31/02	6-9 p.m.	4
Hypertext Mark-up Language (HTML) Version 4	CAWB 5311-100	06/27/02	06/27/02	9 a.m.-4 p.m.	1
Introduction to JavaScript	CAWB 2701-100	06/08/02	06/29/02	9 a.m.-12 p.m.	4
Intermediate JavaScript	CAWB 3702-100	07/13/02	08/03/02	9 a.m.-12 p.m.	4
Web Site Design with FrontPage 2002	CAWB 2411-100	06/03/02	06/24/02	9 a.m.-12 p.m.	4
Introduction to Motion Graphics Using Flash 5	CAWB 2511-101	06/08/02	06/29/02	9 a.m.-12 p.m.	4
Introduction to Motion Graphics Using Flash 5	CAWB 2511-102	07/13/02	08/03/02	9 a.m.-12 p.m.	4

Course Title	Course No./ Section	Start Date	End Date	Time	Total Sessions
<i>Web (continued)</i>					
Intermediate Motion Graphics Using Flash 5	CAWB 3512-100	07/22/02	08/05/02	6-9 p.m.	5
Dreamweaver 4	CAWB 2611-101	06/03/02	06/13/02	6-9 p.m.	4
Dreamweaver 4	CAWB 2611-102	07/10/02	07/31/02	9 a.m.-12 p.m.	4
ColdFusion 5	CAWB 2811-100	07/01/02	07/17/02	6-9 p.m.	6
Web Site Design Project	CAWB 9001-100	07/09/02	08/06/02	6-9 p.m.	5
Graphics...Course descriptions begin on page 41					
Computer Art	CAGR 1011-100	06/08/02	06/08/02	9 a.m.-4 p.m.	1
Computer Art	CAGR 1021-100	06/03/02	06/06/02	6-9 p.m.	2
Introduction to Graphic Design	CAGR 1121-100	06/15/02	06/15/02	9 a.m.-5 p.m.	1
Introduction to Photoshop (6.0)	CAGR 2111-101	06/06/02	06/13/02	9 a.m.-4 p.m.	2
Introduction to Photoshop (6.0)	CAGR 2111-102	06/18/02	07/09/02	6-9 p.m.	4
Introduction to Photoshop (6.0)	CAGR 2121-101	07/08/02	07/18/02	6-9 p.m.	4
Introduction to Photoshop (6.0)	CAGR 2121-102	07/22/02	08/01/02	6-9 p.m.	4
Photoshop (6.0) for the Web	CAGR 3111-100	07/16/02	08/06/02	6-9 p.m.	4
Photoshop (6.0) for the Web	CAGR 3121-100	06/04/02	06/25/02	6-9 p.m.	4
Illustrator (9.0) Level I	CAGR 2211-100	06/04/02	06/11/02	9 a.m.-4 p.m.	2
Illustrator (9.0) Level I	CAGR 2221-100	06/22/02	06/29/02	9 a.m.-4 p.m.	2
Illustrator (9.0) Level II	CAGR 3221-100	07/13/02	07/20/02	9 a.m.-4 p.m.	2
Macromedia Director 8 Shockwave Studio	CAGR 3321-100	07/09/02	07/30/02	6-9 p.m.	4
Web Graphics Project	CAGR 9001-100	07/11/02	08/08/02	6-9 p.m.	5
Programming...Course descriptions begin on page 43					
Introduction to Programming I	CAPR 1001-100	06/01/02	06/13/02	9 a.m.-4 p.m.	6
Introduction to Programming II	CAPR 2101-100	06/15/02	06/29/02	9 a.m.-4 p.m.	6
Introduction to Programming III	CAPR 3101-100	07/06/02	07/20/02	9 a.m.-4 p.m.	3
Introduction to Application Programming	CAPR 2201-100	06/04/02	06/27/02	6-9 p.m.	8
Intermediate Application Programming	CAPR 3201-100	07/02/02	08/06/02	6-9 p.m.	6
Introduction to Object-Oriented Programming Using Java	CAPR 2601-100	06/03/02	06/24/02	6-9 p.m.	7
Java for O-O Experienced Programmers	CAPR 3601-100	07/08/02	07/29/02	6-9 p.m.	7
Enterprise Java Beans (EJB) Overview	CAPR 4603-100	07/08/02	07/29/02	6-9 p.m.	4
Object-Oriented Design Patterns	CAPR 5401-100	07/13/02	07/13/02	9 a.m.-4 p.m.	1
Object-Oriented Analysis and Design	CAPR 5402-100	07/20/02	07/27/02	9 a.m.-5 p.m.	2
Introduction to Perl for Programmers	CAPR 2701-100	06/04/02	07/02/02	6-9 p.m.	5
Perl for Web Application Programming	CAPR 3702-100	07/10/02	08/07/02	6-9 p.m.	5
Extensible Markup Language (XML)	CAPR 3701-100	06/05/02	06/26/02	6-9 p.m.	4
Technical Overview of .NET and C#	CAPR 3703-100	06/22/02	06/22/02	9 a.m.-4 p.m.	1
Introduction to Hands-On Visual Basic Programming	CAPR 2301-100	06/04/02	07/02/02	6-9 p.m.	5

COMPUTER APPLICATIONS

Windows 98

CAAP 2121

Increase your efficiency using Windows. Learn to work with objects on the Desktop, built-in programs and accessories within the "Start" menu, the "Settings" option, and Windows Explorer. Work with Word and Excel to identify similarities between programs and toolbars. Also, find files, tile multiple windows, change window views, create shortcuts on the desktop, add/remove items to the Start Menu, and learn to use the right mouse button for all the handy shortcuts available in Windows.

Prerequisite: Fundamental knowledge of basic computer functions.

Jeff Schatz, B.A.

Section 100: Mondays, June 3 and 10, 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). \$220.

Windows 2000

CAAP 2131

Learn how to set up your computer so the files and programs you use are at your fingertips. Topics to be covered include the file structure (where your files are), the basics required for working with any program, the various screen elements, and how to customize your screens. Also, learn to protect your work by creating backups. **Prerequisite: Fundamental knowledge of basic computer functions.**

Issy Kilbride

Section 100: Tuesdays, June 18 and 25, 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). \$220.

Windows XP

CAAP 2141

Learn the essentials of Windows XP. This course will cover adding and removing programs, setting up your Internet, managing files and folders, using the Search Companion to find anything and trouble-shooting XP. Also learn to customize your computer using the control panel. This two-day course will allow time for experimentation and lots of practices. **Prerequisite: Fundamental knowledge of basic computer functions.**

Chris Mattson, B.S.

Section 100: Wednesdays, July 10 and 17, 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). \$220.

Word 2000 (9.0)

CAAP 2221

Learn about in-depth document, paragraph and character formatting techniques, keyboard shortcuts, tabs, indents, borders, shading, and more. Know how to make shortcuts for inserting often-used text and graphics. Printing options, print preview and page setups are discussed. Word's automatic formatting will also be explained in detail.

Prerequisite: Proficiency with PCs and the Windows operating system.

Issy Kilbride

Section 100: Wednesdays, June 19 and 26, 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). \$241.

Excel 2000 (9.0) Level I

CAAP 2321

Gain a clear understanding of how to use Excel to create simple, powerful spreadsheets. Learn how to create a workbook - from the initial idea to a finished, well-formatted document. Emphasis is placed on formula creation and concepts, entry shortcuts, editing and formatting, printing options, print preview and page setups. **Prerequisite: Proficiency with PCs and the Windows operating system.**

Issy Kilbride

Section 100: Wednesday, June 5, 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). \$215.

Excel 2000 (9.0) Level II

CAAP 3321

In this course, students learn more about Excel's security, automation and modification features, including automation through templates. Students learn invaluable techniques such as linking formulas, locking out edits, copying and pasting; and linking Excel data to other Windows programs using OLE as well as the database capabilities.

Prerequisite: CAAP 2321 Excel 2000 Level I or equivalent.

Chris Mattson, B.S.

Section 100: Wednesday, June 12, 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). \$215.

Access 2000 (9.0) Level I CAAP 2421

Microsoft Access is a relational database used to manage information on many different levels for many purposes. This course will examine the Table object followed by the Query object. Students will learn how to create forms for efficient data display. Also covered is the use of Reports for grouping and printing of data, along with importing/exporting data and relational theory. Shortcuts, tips and tricks are offered throughout the course. **Prerequisite: Proficiency with PCs and the Windows operating system.**

Chris Mattson, B.S.

Section 100: Monday and Wednesday, June 24 and 26, 9 a.m.-4 p.m. 2 sessions. University Computing Center 127. \$280.

Access 2000 (9.0) Level II CAAP 3421

This one-day course is loaded with useful techniques and information designed to advance the Access user into the intermediate realm. The student will work with more advanced query and form design, with emphasis on the use of related data across multiple related data sources. Focus is placed on the use of the property sheet instead of the Access wizards to customize objects.

Prerequisite: CAAP 2421 Access 2000 Level I or equivalent.

Chris Mattson, B.S.

Section 100: Tuesday, July 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). \$215.

Database Design Concepts CAAP 4501

This course will cover the limits and complications of the common flat file list model. Students will learn "Normalizing" the flat file through "Normal Forms". Database integrity, table indexing, different types of table joins and when to use them will also be covered. This course paves the way for more advanced subject matter such as SQL programming. **Prerequisites: CAAP 2421 Access 2000 Level I** or equivalent and a good working knowledge of the Windows operating system. A basic understanding of Excel is recommended.

Chris Mattson, B.S.

Section 100: Tuesdays, July 16 and 23, 9 a.m.-4 p.m. 2 sessions. University Management Systems 001. \$300.

Relational Database Concepts and SQL Programming CAAP 4502

This course is an introduction to relational databases and the Structured Query Language (SQL). These topics will be explored using a simulated college registration database. Considerable attention will be placed on the construction, testing, debugging, and simplification of SQL programs. 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, will be examined. This course emphasizes database use rather than database administration and utilizes Oracle SQL and SQL *Plus. **Prerequisite: CAAP 2421 Access 2000 Level I or previous experience with databases. Required text: Oracle SQL Primer: Learning the Craft,** Komenda Publishing. This textbook is not available in the bookstore and will be handed out on the first day of class instead. Cost for the textbook (\$20) is included in the tuition.

Elizabeth Boese, B.S.

Section 100: Mondays and Wednesdays, June 3-July 1, 6-8 p.m. 9 sessions. University Management Systems 001. \$400.



Career advancement is a huge benefit of CU's Continuing Ed classes for Martin Phillips. Martin took one of the computer applications courses, ColdFusion, which he said was "wonderful". He has taken several Continuing Ed classes and has been promoted as a result of the new skills he gained. "CU has everything, and they've done a great job with IT education."



If she only had the time, Angie Pao would take a lot more Continuing Ed classes. She just finished the Computer Applications Macromedia Director class, and before that she took French. "I'm big on lifelong learning; I grabbed a catalog and found a lot of classes I'd like to take, but had to narrow it down to the ones that were most important to me." Like many, Angie took advantage of the wide variety of courses Continuing Ed offers.

NETWORKING

Introduction to Networks CANW 1001

Networked computer systems are becoming more and more prevalent in today's business environment. Making informed choices depends on understanding the basic concepts, grasping the "lingo" and accurately evaluating various configurations. This course also presents an overview of current network systems available on both DOS-based and Macintosh-based systems from small to medium-sized businesses. **Prerequisite: Proficiency with PCs and the Windows operating system.**

Nate Ahrens, B.A.

Section 100: Tuesdays and Thursdays, June 4-13, 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). \$260.

Computer Systems Overview CANW 2101

Learn to make informed decisions about computers. This course will cover many of the system hardware and software that make up the modern PC, including CPU, memory, disks, file systems, displays, Bus I/O, printers, modems, networks and operating systems, boot processes, and backup/recovery. Students are encouraged to participate in class discussions. **Prerequisite: Proficiency with PCs and the Windows operating system** or working knowledge of the Macintosh.

Chris Mattson, B.S.

Section 100: Mondays and Thursdays, June 17-27, 6-9 p.m. 4 sessions. University Computing Center 127. \$248.

Computer Architecture CANW 3101

This lecture-based course introduces the fundamentals of computer architecture, providing an overview of the structure and operation of digital computers. It will describe how individual components such as CPU's memory, hard drives, video cards, network interface cards, and other peripherals interact with each other on various platforms. The class will explore several underlying technologies that are common to most computers, and especially to PCs. It will take a generic approach to describing how these systems work rather than examining the details of specific implementations.

Prerequisite: CANW 2101 Computer Systems Overview or equivalent.

Dave Bodnar, M.S.

Section 100: Tuesdays, July 2-23, 6-9 p.m. 4 sessions. University Computing Center 123. \$248.

Computer Operating Systems CANW 3102

This lab-based technical course deals with the inner workings of the four major networking client workstations. Students will install Microsoft Millennium Edition and Red Hat Linux 7.2 workstation on Intel-based platforms (Macintosh and UNIX installs will be demonstrated). Students will also work with common troubleshooting and performance utilities. **Prerequisite: CANW 2101 Computer Systems Overview** or equivalent.

Marc Lafavor, B.S.

Section 100: Mondays and Thursdays, July 8-18, 6-9 p.m. 4 sessions. University Computing Center 127. \$270.



Network Operating Systems CANW 4101

This lab-based technical course compares and contrasts the components, functionality, and architecture of the Microsoft and UNIX/Linux Network Operating Systems (NOS), as well as the underlying operating system support for server functionality. Students will set up Peer-to-Peer Networking and networking services on Microsoft and Red Hat Linux workstations. **Prerequisite:** CANW 3102 Computer Operating Systems or equivalent. **Required text:** *Peter Norton's Complete Guide to Networking*, Kearns & Norton.

Marc Lafavor, B.S.

Section 100: Mondays and Thursdays,
July 22-August 1, 6-9 p.m. 4 sessions.
University Computing Center 127. \$270.

Network Administration CANW 5101

In this course, you will learn 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. You will also learn trouble-shooting techniques and how to solve and prevent network problems. **Prerequisite:** CANW 4101 Network Operating Systems or equivalent.

Shayn Smith, Ph.D., CNE

Section 100: Tuesdays, July 9-30, 6-9 p.m.
4 sessions. University Computing
Center 127. \$248.

Wide Area Networking Topics CANW 5401

In this lecture-based course, you will view the Internet as one large Wide Area Network (WAN). Learn the various packet-switched technologies that make it work, such as PPP, ATM, xDSL, as well as older circuit-switched technologies. Transmission methods will also be covered, such as fiber optics and microwaves. Gain an understanding of the advantages and disadvantages of each technology. Case studies of real-world WAN topologies and the equipment (routers and switches) used to implement them will be examined. **Prerequisite:** CANW 4101 Network Operating Systems or equivalent.

Instructor: TBA

Section 100: Tuesdays, June 11-25, 6-9 p.m.
3 sessions. University Computing Center
123. \$225.

Introduction to Windows 2000 Administration CANW 2211

This is a technical hands-on course focusing on concepts necessary for migrating from Windows NT 4.0 to Windows 2000. You will learn installation and configuration of Windows 2000 Professional and Server in a small office environment. Topics include planning, installation, networking, file sharing, printer sharing, file systems and disks. Also covered will be installation and configuration of several Windows 2000 services. **Prerequisite:** CANW 4101 Network Operating Systems or equivalent. **Required text:** *Windows 2000 The Complete Reference*, Osborne/McGraw-Hill, Ivens and Gardinier.

Bob Schmidt, M.A.

Section 100: Wednesdays, June 5-26,
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). \$440.

UNIX Survival Skills CANW 1301

Learn the basics of the UNIX operating system using hands-on laboratory style exploration. UNIX fundamentals such as the file and directory structure, essential commands, the VI text editor, and the C-shell (csh) command shell will be covered. The concepts of shell and environment variables will be introduced. You will be oriented to the various UNIX-like operating systems offered by a variety of vendors, highlighting the major similarities and differences. This course is recommended for students wanting to learn UNIX, but not working toward a certificate program.

Prerequisite: Fundamental knowledge of basic computer functions.

James Lupo, Ph.D.

Section 100: Mondays, July 8-August 5,
6-9 p.m. 5 sessions. University Management
Systems 001. \$380.

Introduction to UNIX CANW 2301

This is a hands-on course for anyone who needs to use UNIX, program in its environment, manage users, or obtain sufficient knowledge to evaluate it. In this course, 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:** Fundamental knowledge of basic computer functions.

Craig McBride, M.B.A.

Section 100: Wednesdays, June 26-August 7,
6-9 p.m. 7 sessions. University Computing
Center 127. \$480.

WEB

Internet Fundamentals CAWB 1001

Acquire a proficient understanding of the Internet! Today, computers are a tremendous resource for accessing and providing information, and communicating with others around the world via the Internet. In this course, you will learn some Internet history; how the Internet works; how to find, view, copy and save information; and how to communicate with other Internet users.

Prerequisite: Fundamental knowledge of basic computer functions.

Lorraine Revelle, B.A.

Section 100: Mondays, June 3 and 10,
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). \$209.



(Web continued)

Internet Applications CAWB 2101

This course launches you into the world of web publishing, covering File Transfer Protocol (FTP) and Telnet, and more in-depth discussion of web browsers and how they relate to web design. Learn how to set browser preferences, and how to download and install browser plug-ins for viewing multimedia files and PDF documents. Plus, you will sign up for free web space and build your own web site using free software.

Prerequisite: CAWB 1001 **Internet Fundamentals** or equivalent.

Ginny Figlar, M.A.

Section 101: Saturdays, June 8 and 15,
9 a.m.-1:30 p.m.

Nate Abrens, B.A.

Section 102: Saturdays, June 22 and 29,
9 a.m.-1:30 p.m.

All Sections: 2 sessions. University
Management Systems 001. \$228.

Design Techniques for Web Sites CAWB 3101

Create sites that are easy to navigate and appealing to the eye! In this course, you will learn about efficient site navigation, the fundamentals of design and color theories, effective uses of fonts, and methods to optimize image compression.

Prerequisite: CAWB 2101 **Internet Applications** or equivalent.

Beth Sigren, B.S.

Section 101: Tuesdays, June 4 and 11,
9 a.m.-12 p.m. University Computing
Center 127.

Bruce Muller, M.A.

Section 102: Thursdays, July 18 and 25,
6-9 p.m. University Management
Systems 001.

All Sections: 2 sessions. \$215.

Introduction to Hypertext Mark-up Language (HTML): Formatting, Links, Lists and Tables CAWB 2301

Learn how to create web sites from the ground up! Topics include formatting tags, lists, links, images and tables. We will also cover meta tags, coding techniques and web site design tips to make functional and exciting web pages. **Prerequisites:** **Proficiency with PCs and the Windows operating system and CAWB 2101 Internet Applications** or equivalent. An HTML reference book is recommended.

Karis Vail Schmidt, B.A.

Section 101: Thursdays, June 6-27,
9 a.m.-12 p.m. University Computing
Center 127.

Susan Walanski, B.A.

Section 102: Thursdays, July 11-August 1,
6-9 p.m. Humanities 1B45.

All Sections: 4 sessions. \$275.

Intermediate Hypertext Mark-up Language (HTML): Meta Tags, Referencing and Frames CAWB 3301

This course builds on the skills learned in CAWB 2301 Introduction to HTML. Learn how to code a definition list; common meta tags; absolute, relative, and base references; and framed sites. **Prerequisite:** CAWB 2301 **Introduction to HTML** or equivalent. You must be proficient with PCs and the Windows operating system and able to implement all the skills covered in the Introduction HTML course with minimal assistance. An HTML reference book is recommended.

Beth Sigren, B.S.

Section 101: Thursdays, June 6-20, 6-9 p.m.

Bruce Muller, M.A.

Section 102: Mondays, July 15-29, 6-9 p.m.

All Sections: 3 sessions. Humanities 1B45.
\$228.

Advanced Hypertext Mark-up Language (HTML) CAWB 4301

Putting the pieces together! In this course, students will build on skills learned in the Introduction and Intermediate HTML courses. Learn to code forms to make your web site interactive. Learn how, with Cascading Style Sheets, to have a more sophisticated and uniform layout. We will also review the "big picture" of web site implementation and search engines.

Prerequisite: CAWB 3301 **Intermediate 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. An HTML reference book is recommended.

Susan Walanski, B.A.

Section 100: Wednesdays, July 10-31,
6-9 p.m. 4 sessions. University Management
Systems 001. \$275.

Hypertext Mark-up Language (HTML) Version 4 CAWB 5311

Learn HTML 4, the newest version of HTML! New and revised HTML tags, attributes, and values as specified by the W3C will be covered. This course builds on the skills learned in all levels of the HTML courses. **Prerequisite:** CAWB 4301 **Advanced HTML** or equivalent. Students must be proficient with PCs and the Windows operating system and able to implement the skills covered in all levels of the HTML courses with minimal assistance.

Beth Sigren, B.S.

Section 100: Thursday, June 27, 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). \$209.

Introduction to JavaScript CAWB 2701

JavaScript is the language of choice for adding dynamic elements to your web sites. This course will teach you the fundamentals of programming using the JavaScript language: JavaScript syntax, variables, functions, objects, and more. Material is covered with hands-on examples and assumes no previous high-level programming experience. **Prerequisite:** CAWB 4301 **Advanced HTML** or equivalent.

Susan Walanski, B.A.

Section 100: Saturdays, June 8-29,
9 a.m.-12 p.m. 4 sessions. Humanities 1B45.
\$300.

Intermediate JavaScript CAWB 3702

This course covers more advanced programming techniques such as controlling program flow, looping structures, defining and manipulating functions. Add to your web visitor's experience by verifying form fields and how to read, write and delete cookies to customize a page for a return user.

Prerequisite: CAWB 2701 **Introduction to JavaScript** or CAPR 1001 **Introduction to Programming I** or one year of previous programming experience. **Recommended texts:** *JavaScript, The Definitive Guide*, David Flanagan, or *JavaScript Bible*, Goodman and Eich.

Joyce E. Evans, B.A.

Section 100: Saturdays, July 13-August 3,
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). \$300.

Web Site Design with FrontPage 2002 CAWB 2411

Learn to develop a web presence with Microsoft's popular Web Authoring and Management tool. Over the course of the class, students will create a working web site complete with formatted text, images, links and an interactive form. We will explore the many wizards that FrontPage offers as well as cover in depth the powerful management tools available for easily maintaining and managing your site. **Prerequisites:** **Proficiency with PCs and the Windows operating system and CAWB 1001 Internet Fundamentals** or equivalent.

Karis Vail Schmidt, B.A.

Section 100: Mondays, June 3-24,
9 a.m.-12 p.m. 4 sessions. University
Management Systems 001. \$285.

Introduction to Motion Graphics Using Flash 5 CAWB 2511

Macromedia Flash is the means to designing and delivering low-bandwidth animation and interactivity over the Web. This course introduces the student to the basic skills needed to draw illustrations, create basic animations, and create buttons. Topics include exploring the Flash interface and concepts, working with color and gradients, frame-by-frame animations, shape and motion tweening, and working with symbols and bitmaps. Work will be done both in and outside of class. **Prerequisite:** CAGR 2211/CAGR 2221 **Illustrator Level I** or equivalent. **Required text:** *Flash 5 H^OT Hands-On Training*, Weil and Green.

Tim Meehan

Section 101: Saturdays, June 8-29,
9 a.m.-12 p.m.

William Busch

Section 102: Saturdays, July 13-August 3,
9 a.m.-12 p.m.

All Sections: 4 sessions. University
Computing Center 127. \$300.



By taking the Computer Applications Macromedia Director course through Continuing Education, Brian Sunde is taking another step in preparing himself for the ever-changing world of information systems. Many courses offered by Continuing Education are exceedingly practical and geared toward real-world jobs.



If your resume needs a boost,

CU's Continuing Ed program is

where you want to be. Just ask

Marcela Rosenblun, who took the

ColdFusion class. "Now I can

take on other projects at work.

Continuing Ed classes are definitely

part of my career growth." Teacher

Jeff Braunstein gets high marks too:

"On a scale of 1 to 10, I'd give

him a 20!"

(Web continued)

Intermediate Motion Graphics Using Flash 5

CAWB 3512

Expand your knowledge of Macromedia Flash and take your movies to the next level. Topics include working with movies and multiple timelines, basic ActionScripting, working with text, sound, and video; publishing, and integrating with other programs. Work will be done both in and outside of class. **Prerequisite:** CAWB 2511 **Introduction to Motion Graphics Using Flash 5** or equivalent. **Required text:** *Flash 5 H*O*T Hands-On Training*, Weil and Green.

Brandon Berman, M.A.

Section 100: Mondays and Wednesdays, July 22-August 5, 6-9 p.m. 5 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). \$350.

Dreamweaver 4

CAWB 2611

If you haven't seen Dreamweaver in action, this course is a must. 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 layers. Creating rollovers and much more will also be covered. **Prerequisite:** CAWB 2301 **Introduction to HTML** or equivalent. **Required text:** *Dreamweaver 4 for Windows and Macintosh: Visual QuickStart Guide*, J. Tarin Towers.

Jeff Braunstein, M.S.

Section 101: Mondays and Thursdays, June 3-13, 6-9 p.m.

William Busch

Section 102: Wednesdays, July 10-31, 9 a.m.-12 p.m.

All Sections: 4 sessions. University Computing Center 127. \$300.

ColdFusion 5

CAWB 2811

You've learned how to create basic web pages using HTML. Now what? How do you interact with forms and databases, create search engines, and present custom web pages? ColdFusion can help you do all these things and much more! It is one of the fastest and easiest applications available to create dynamically-driven web sites. Come see why over one million web sites are using this technology to reuse HTML code, personalize web content, create "shopping carts", and more. **Prerequisites:** CAWB 4301 **Advanced HTML** and CAAP 2421 **Access 2000 Level I** or equivalent and familiarity with web terminology and web server characteristics. **Required text:** *ColdFusion 5 Web Application Construction Kit*, Ben Forta, et al.

Jeff Braunstein, M.S., Macromedia Certified Coldfusion 5 Developer

Section 100: Mondays and Wednesdays, July 1-17, 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). \$450.

Web Site Design Project

CAWB 9001

Required capstone course for the Certificate in Web Site Design. Students will learn the design process, which begins with interviewing prospective clients and ends with site maintenance. Students will create and update an assigned web site to demonstrate their complete understanding of site design as well as work through the planning stages of a large site. Homework is regularly assigned and completed outside of class. Both attendance and completion of homework as assigned are mandatory for successful completion of this course. **Prerequisite: Students must have satisfactorily completed all the required courses for the Web Site Design Certificate.** CAWB 5311 **Hypertext Mark-up Language Version 4** is highly recommended.

Beth Sigren, B.S.

Section 100: Tuesdays, July 9-August 6, 6-9 p.m. 5 sessions. Humanities 1B45. \$325.

GRAPHICS

Computer Art CAGR 1011

This course is an overview of the various Windows-based graphic applications. Drawing programs such as Windows Paint and an overview of the popular illustration applications such as Adobe Illustrator and CorelDRAW will be covered! This course is designed for the person that has no previous graphic knowledge or skill. **Prerequisite: Fundamental knowledge of basic computer functions.**

Jerry Reynolds, M.S.E.E.

Section 100: Saturday, June 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). \$184.

Computer Art CAGR 1021

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 laser printing plus instruction in aesthetics of electronic imaging, you'll be ready to make your own camera-ready images. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite: Fundamental knowledge of basic computer functions.**

Barry Ratliff, M.F.A.

Section 100: Monday and Thursday, June 3 and 6, 6-9 p.m. 2 sessions. Humanities 1B35. \$184.

Introduction to Graphic Design CAGR 1121

This course offers students an extensive introduction to computer graphics fundamentals needed for print and web page design. Students come away with a clear understanding of such things as vector and raster images, various computer resolutions, color information, file formats and much more. The student will learn to apply basic design principles of combining type, graphics and photographs to their print and web page layouts. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite: Fundamental knowledge of basic computer functions.**

Rick Hoyt, B.S.

Section 100: Saturday, June 15, 9 a.m.-5 p.m. 1 session. Humanities 1B35. \$215.

Introduction to Photoshop (6.0) CAGR 2111

Photoshop is a powerful image editing program that has become the industry standard for professional users in the graphics and web development markets. In this course, you will learn the basics using the tools in the program to edit scanned images, as well as create your own striking graphic images. Topics include menu commands; using the tools in the tool palette; saving images in different formats and for different uses; and understanding image file formats. **Prerequisite: CAGR 1011/1021 Computer Art** or equivalent.

Jerry Reynolds, M.S.E.E.

Section 101: Thursdays, June 6 and 13, 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).

Brandon Berman, M.A.

Section 102: Tuesdays, June 18-July 9, 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).

All Sections: \$285.

Introduction to Photoshop (6.0) CAGR 2121

Photoshop is a powerful image editing program that has become the industry standard for professional users in the graphics and web development markets. In this course, you will learn the basics using the tools in the program to edit scanned images, as well as create your own striking graphic images. Topics include menu commands; using the tools in the tool palette; saving images in different formats and for different uses; and understanding image file formats. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite: CAGR 1011/1021 Computer Art** or equivalent.

Tim Meehan

Section 101: Mondays and Thursdays, July 8-18, 6-9 p.m.

Gary Franz, B.F.A.

Section 102: Mondays and Thursdays, July 22-August 1, 6-9 p.m.

All Sections: 4 sessions. Humanities 1B35. \$285.

Photoshop (6.0) for the Web CAGR 3111

This course introduces the student to more advanced techniques that focus on editing and creating graphics for use on the Web. Topics include applying and creating layer styles and layer effects; creating vector-based shapes and graphics; creating text objects and text effects; applying masks; advanced image manipulation; channel operations; and using Photoshop actions. **Prerequisite: CAGR 2111/2121 Introduction to Photoshop** or equivalent.

Jerry Reynolds, M.S.E.E.

Section 100: Tuesdays, July 16-August 6, 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). \$285.

(Graphics continued)

Photoshop (6.0) for the Web CAGR 3121

This course introduces the student to more advanced techniques that focus on editing and creating graphics for use on the Web. Topics include applying and creating layer styles and layer effects; creating vector-based shapes and graphics; creating text objects and text effects; applying masks; advanced image manipulation; channel operations; and using Photoshop actions. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite:** CAGR 2111/2121 **Introduction to Photoshop** or equivalent.

Tim Meehan

Section 100: Tuesdays, June 4-25, 6-9 p.m.
4 sessions. Humanities 1B35. \$285.

Illustrator (9.0) Level I CAGR 2211

Adobe Illustrator supports many file formats for exporting files for web publishing or to page layout programs for print production. Illustrator graphics are the primary components of animation on web pages. Learn to create and edit lines and shapes, combine them into full color illustrations and add stunning text effects. Learn to also integrate Adobe Photoshop images into your illustrations created in Illustrator. **Prerequisite:** CAGR 1011/1021 **Computer Art** or equivalent.

Jerry Reynolds, M.S.E.E.

Section 100: Tuesdays, June 4 and 11,
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). \$285.

Illustrator (9.0) Level I CAGR 2221

Adobe Illustrator supports many file formats for exporting files for web publishing or to page layout programs for print production. Illustrator graphics are the primary components of animation on web pages. Learn to create and edit lines and shapes, combine them into full color illustrations and add stunning text effects. Learn to also integrate Adobe Photoshop images into your illustrations created in Illustrator. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite:** CAGR 1011/1021 **Computer Art** or equivalent.

Rick Hoyt, B.S.

Section 100: Saturdays, June 22 and 29,
9 a.m.-4 p.m. 2 sessions. Humanities 1B35.
\$285.

Illustrator (9.0) Level II CAGR 3221

Explore advanced techniques Adobe Illustrator has to offer. Create artwork for animation on the Web. Students will investigate sharing illustrations between applications and combining continuous-tone paintings and photographs with line art. Students will gain a greater understanding of pre-press issues and choosing the optimal file format for saving documents. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite:** CAGR 2211/2221 **Illustrator Level I** or equivalent.

Rick Hoyt, B.S.

Section 100: Saturdays, July 13 and 20,
9 a.m.-4 p.m. 2 sessions. Humanities 1B35.
\$285.

Macromedia Director 8 Shockwave Studio CAGR 3321

Learn the production of interactive multimedia for the Web, including animation, still graphics, voice and sound, text and video. A host of other graphics and sound software will be used. Emphasis will be on high quality Shockwave presentations. **Prerequisite:** CAGR 1011/1021 **Computer Art** or equivalent. This course will be taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms.

William Busch

Section 100: Tuesdays, July 9-30, 6-9 p.m.
4 sessions. Humanities 1B35. \$280.

Web Graphics Project CAGR 9001

Required capstone course for the Certificate in Web Graphics. This course integrates skills learned in prerequisite courses and emphasizes layout, design, and discovery of one's own style. Students will create a digital portfolio demonstrating their work, software skills, and artistic approach to projects. Students will assess their potential audience, present goals, and develop a plan by creating flowcharts and storyboards. Final portfolios will be posted on the Web. Peer and self evaluations will be conducted during all phases of the project. Work will be done both in and outside of class. **Prerequisite:** **Students must have satisfactorily completed all the required courses for the Web Graphics Design Certificate.**

Brandon Berman, M.A.

Section 100: Thursdays, July 11-August 8,
6-9 p.m. 5 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). \$325.



When the economy is uncertain, bolstering your marketability is a sound strategy. Leslie Crispin was in Jeff Braunstein's ColdFusion computer applications class for that very reason. "I was updating my skills to be qualified for more positions." She thought the class format was easy to follow, enjoyed the convenience of evening sessions, and said she'd take more courses through Continuing Ed.

PROGRAMMING

Introduction to Programming I CAPR 1001

This is an excellent first course for students with minimal or no programming background who want to learn to program. Using an object-oriented approach in this lecture-based course, students will learn the logic patterns needed for structured programming in any language. Students will work with conditionals (if statements), loops, and modularized code. They will learn to write concise, top-down, elegant code using these basic structures. **Prerequisite:** Proficiency with PCs and the Windows operating system. **Required text:** *Karel++: A Gentle Introduction to the Art of Object-Oriented Programming*, 3rd Edition. Joseph Bergin, Mark Stehlik, Jim Roberts, and Richard Pattis.

Charry Stover, M.S.

Section 100: Saturdays, June 1 and 8, 9 a.m.-4 p.m.; Mondays, June 3 and 10, 6-9 p.m.; Thursdays, June 6 and 13, 6-9 p.m. 6 sessions. University Computing Center 123. \$480.

Introduction to Programming II CAPR 2101

This course uses C++ to deepen the skills learned in CAPR 1001 Introduction to Programming I. Students learn the basics of the C++ language, and then use that knowledge to expand and strengthen their ability to work with conditionals, loops, nested conditionals and loops, and functions. Students will be provided with sample C++ programs and solve many programming problems on their own. **Prerequisite:** CAPR 1001 Introduction to Programming I or equivalent. **Required text:** *C++ How to Program*, Deitel & Deitel.

Charry Stover, M.S.

Section 100: Saturdays, June 15 and 29, 9 a.m.-4 p.m.; Mondays, June 17 and 24, 6-9 p.m.; Thursdays, June 20 and 27, 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). \$480.

Introduction to Programming III CAPR 3101

This hands-on and partially self-paced course will cover pointers, arrays, strings, and classes. Students should be able to write a C++ program with functions before taking this course. **Prerequisite:** CAPR 2101 Introduction to Programming II or equivalent. **Recommended text:** *C++ How to Program*, Deitel & Deitel.

Susan Ramirez, B.S.

Section 100: Saturdays, July 6-20, 9 a.m.-4 p.m. 3 sessions. University Management Systems 001. \$480.



(Programming continued)

Introduction to Application Programming CAPR 2201

This is a more intensive introduction to 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 C++. **Prerequisite:** Proficiency with PCs and the Windows operating system.

Recommended text: *Problem Solving With C++*, 3rd Edition, Savitch.

Steve Kaminski, M.S.E.E.

Section 100: Tuesdays and Thursdays, June 4-27, 6-9 p.m. 8 sessions. University Management Systems 001. \$480.

Intermediate Application Programming CAPR 3201

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:** CAPR 2201

Introduction to Application Programming or equivalent. **Recommended text:** *Problem Solving With C++*, Savitch.

Steve Kaminski, M.S.E.E.

Section 100: Tuesdays, July 2-August 6, 6-9 p.m. 6 sessions. University Management Systems 001. \$450.

Introduction to Object-Oriented Programming Using Java CAPR 2601

This lecture-based 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. **Prerequisites:** CANW 3101 **Computer Architecture** and CAPR 3202 **Algorithm Design** or intermediate level experience with any procedural programming language. To determine if you have the sufficient background to meet the prerequisite requirement, see www.profcon.com/profcon/Prereq.htm.

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

Carol J. Meier, M.S.

Section 100: Mondays and Wednesdays, June 3-24, 6-9 p.m. 7 sessions. Humanities 135. \$525.

Java for Object-Oriented Experienced Programmers CAPR 3601

This lecture-based course is an in-depth look at the Java programming language for programmers with object-oriented programming experience, including inheritance and polymorphism. Students will acquire production Java programming skills.

Prerequisite: CAPR 2601 **Introduction to Object-Oriented Programming Using Java**. Experience with object-oriented programming, including inheritance and polymorphism is required. **Recommended text:** *The Java Programming Language*, Arnold & Gosling.

George Watson

Section 100: Mondays and Thursdays, July 8-29, 6-9 p.m. 7 sessions. Humanities 186. \$525.

Enterprise Java Beans (EJB) Overview CAPR 4603

This lecture-based course will introduce you Enterprise Java Beans (EJB). We will see overviews of the supporting technologies; learn the distinctions between entity and session beans, as well as talk about security, transaction handling, best practices, portability and performance considerations. We will also look at the state of the current specification and how the various vendors are supporting this specification. **Prerequisite:** CAPR 4602

Advanced Java Library Topics or equivalent knowledge of JDBC, RMI and advanced Java programming. CAPR 4601 **Advanced Java Programming Language Topics** is highly recommended. **Recommended text:** *Enterprise Java Beans*, 2nd Edition, Richard Monson-Haefel (O'Reilly).

David Rodenbaugh, B.A.

Section 100: Mondays, July 8-29, 6-9 p.m. 4 sessions. Humanities 145. \$395.

Object-Oriented Design Patterns CAPR 5401

Design patterns capture recurring micro-architectural solutions to common O-O software problems. Learning these patterns helps programmers evaluate, communicate, review and implement software designs more effectively. This one-day lecture class will explain the design pattern concepts, terminology and benefits and will present a number of fundamental patterns.

Prerequisite: CAPR 2102 **Introduction to Object-Oriented Programming in C++** or CAPR 2601 **Introduction to Object-Oriented Programming Using Java** or familiarity programming with objects. **Recommended text:** *Object-Oriented Design Patterns*, Gamma, et al.

Greg Holling, B.S.

Section 100: Saturday, July 13, 9 a.m.-4 p.m. 1 session. University Computing Center 123. \$210.

Learn...grow...become...



Object-Oriented Analysis and Design

CAPR 5402

This workshop combines lecture and student participation to give students tools and practical experience in object-oriented analysis and design. The exercises take a manageable, but non-trivial task from analysis through design. This course will be useful for anyone wondering how to find the objects. Upon completion, students will have an excellent foundation to get the most out of Java, C++, C# and other object-oriented languages. **Prerequisite:** CAPR 2102 **Introduction to Object-Oriented Programming in C++** or CAPR 2601 **Introduction to Object-Oriented Programming Using Java** or equivalent. Students should be comfortable programming with objects.

Greg Holling, B.S.

Section 100: Saturdays, July 20 and 27, 9 a.m.-5 p.m. 2 sessions. University Computing Center 123. \$495.

Introduction to PERL for Programmers

CAPR 2701

Practical Extraction and Report Language (PERL) is a powerful, flexible and easy to use scripting language that is suitable for many tasks, including system administration and distributed programming. In web development, it is used for developing CGI scripts. Topics to be covered include statements, variables, operators; arrays and LISTS; hashes; control structures and test; I/O and file handlers; CGI scripts; and much more. **Prerequisite:** CAPR 1001 **Introduction to Programming I** or one year of previous programming experience (familiarity with programming concepts such as variables, statements, parameters passing and the idea of modularized code). **Recommended text:** *PERL for Programmers*, 3rd Edition, Wall, Christiansen and Orwant (O'Reilly).

Joyce E. Evans, B.A.

Section 100: Tuesdays, June 4-July 2, 6-9 p.m. 5 sessions. Humanities 1B45. \$450.

PERL for Web Application Programming

CAPR 3702

Learn how to customize some of the more popular PERL scripts that can be found on the Web, such as mailform.pl and guestbook.pl. Also, this class will have an introduction to using PERL modules, specifically working with the CGI and DBI modules. Learn what "Premature end of script header" really means and how to debug a CGI script. Actual topics/scripts covered in class may change from term to term and based upon class interest. **Prerequisite:** CAPR 2701 **Introduction to PERL for Programmers** or equivalent and an understanding of basic SQL commands. **Recommended text:** *PERL for Programmers*, 3rd Edition, Wall, Christiansen and Orwant (O'Reilly).

Joyce E. Evans, B.A.

Section 100: Wednesdays, July 10-August 7, 6-9 p.m. 5 sessions. Humanities 1B45. \$450.

Extensible Mark-up Language (XML)

CAPR 3701

Got data? XML (Extensible Markup Language) is a W3C standard for encoding self-describing data. It is designed to ease the interchange of diverse types of data across a variety of platforms and applications, including the Web. In this lecture-based course, attendees will learn how to create XML documents, use an XML validator, stylesheet processing with CSS and XSL, and use the DOM and SAX parsers to extract XML content for use in Java programs. **Prerequisite:** Knowledge of programming, preferably in Java. For example, CAPR 2601 **Introduction to Object-Oriented Programming Using Java** or equivalent. Detailed knowledge of SGML and HTML is not required.

George Watson

Section 100: Wednesdays, June 5-26, 6-9 p.m. 4 sessions. Humanities 186. \$415.

Technical Overview of .NET and C#

CAPR 3703

.NET is a new platform from Microsoft, based on a virtual machine (like Java). The C# programming language, a cross between Java and C++, is the closest fit to this machine. This lecture-based course will discuss the .NET virtual machine, its implementations, C#, other compilers, standards, application deployment, and contrasting these with Java. **Prerequisite:** **Knowledge of software technologies.**

Tom Cargill, Ph.D.

Section 100: Saturday, June 22, 9 a.m.-4 p.m. 1 session. Humanities 186. \$210.

Introduction to Hands-On Visual Basic Programming

CAPR 2301

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:** **Proficiency with PCs and the Windows operating system.**

David Nelson, B.S.

Section 100: Tuesdays, June 4-July 2, 6-9 p.m. 5 sessions. University Computing Center 127. \$450.



Special Programs

INTERNATIONAL ENGLISH CENTER

In addition to its intensive, full-time program for international students, the International English Center (IEC), located at 1030 13th Street, 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 \$350 (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 \$350 (text included) for seven weeks.

Beginning Level (NCFL 900) MW 6:30-8:30 p.m. For students who speak in simple sentences, understand some (not necessarily all) of what is said, and are familiar with the present tense (but may have some difficulty with past and future).

Intermediate Level (NCFL 910) MW 6:30-8:30 p.m. For students who have more than a basic vocabulary, understand much of what is said, and can use most verb tenses effectively. This class is also for students who read a variety of materials with some difficulty and need guidance in writing.

Advanced Level (NCFL 920) MW 6:30-8:30 p.m. For students who have an extended vocabulary, understand most verb tenses effectively, read a variety of materials with little difficulty, write effectively with little guidance, and have a desire to polish their skills.

Effective Pronunciation (NCFL 950) TR 6:30-8:30 p.m. This course is designed for students who wish to improve their comprehensibility. Students will practice pronunciation using a variety of communicative techniques.

Practical Writing Skills (NCFL 960) TR 6:30-8:30 p.m. For students who need help with more advanced written expression, grammar and mechanics. This course also provides instruction on informal letters, business letters, application forms, and other everyday writing needs, and cultivates a better understanding of formal and informal writing styles and conventions. Note: The student will receive individual assessment of writing skills and receive attention with individual needs.



For more information please visit our web site at www.colorado.edu/iec or call 303-492-5547.

BLURR PM

blurr is a digital innovation lab at CU-Boulder dedicated to experience design. This summer blurr will offer an experiment in industry-academic collaboration with courses designed specifically for graphic designers and web producers.

blurr's weeknight courses utilize state-of-the-art laboratories and world-class instruction at CU-Boulder. Summer offerings will include week-long workshops in Photoshop for the Web, Dreamweaver and Flash.

The blurr digital innovation lab includes a teaching facility featuring 20 Macintosh G4s with 22" LCD Apple Cinema Displays, a theater projection system with surround sound, full audio studio, and a variety of input devices. Each computer has a full complement of software, including: Final Cut Pro, Illustrator, Photoshop, Image Ready, Dreamweaver, Fireworks, Flash, and Microsoft Office.

For schedules, more details and registration information, visit our web site at blurr.colorado.edu or call us at 303-735-5184.

EMBEDDED SYSTEMS CERTIFICATE

The Department of Electrical and Computer Engineering has developed a certificate program in Embedded Systems designed to build and enhance professional knowledge and skills in this high demand field. The certificate develops skills in design and use of embedded systems technology; expands current knowledge and applies new ideas in practice; provides hands-on experience in embedded system design; and enhances career opportunities.

The certificate consists of 3 courses:

- Embedded System Design
- Real-time Embedded Systems Programming
- Embedded Systems Project

Each course carries 3 semester hours of academic credit at the graduate level. All credits earned in the certificate can be transferred to a graduate engineering program at CU-Boulder. For more information, visit the web site www.colorado.edu/conted/ESCertificate.htm.

SOFTWARE ENGINEERING CERTIFICATE

The Software Engineering Certificate is another certificate program from the CU-Boulder Department of Electrical and Computer Engineering. The relentless pace of change has characterized the field of software development, programming and engineering since its beginning. This program is designed to benefit those regardless of their background or years of experience.

The certificate consists of graduate-level courses in the areas of:

- Software Engineering of Stand-Alone Programs
- Software Engineering of Multi-Program Systems
- Software Engineering of Distributed Software Systems

Each course carries 3 semester hours of academic credit at the graduate level. All credits earned in the certificate can be transferred to an appropriate graduate engineering program at CU-Boulder. For more information, visit the web site www.colorado.edu/conted/softengineering.htm.

CENTER FOR BUSINESS EDUCATION

The Center for Business Education (CBE) is a partnership between the University of Colorado at Boulder Division of Continuing Education and the Leeds School of Business. We offer certificate programs in business with classes taught by faculty at the CU-Boulder Leeds School of Business. We also offer the most respected real estate appraisal programs in the state. Through the CBE you can access some of the greatest minds in business education:

- **CEDIR, Colorado Executive Development in Residence**
- **CUBIC, CU Business Intensive Certificate**
- **Custom Business Programs**
- **Real Estate Appraisal Program**

CEDIR, Colorado Executive Development in Residence, offers experienced business professionals a critical overview of fundamental business concepts in an interactive environment specifically designed for practicing managers. Participants will gain a solid foundation in fundamental business skills, enhance your functional knowledge of business, receive exposure to the latest management ideas and learn to be more productive employees. Upon successful completion of the six-week program, participants will earn a Certificate in Executive Management. Executives from numerous market-leading companies including IBM, Level 3 Communications and Sun Microsystems have participated in the program. **CEDIR will be offered July 22-August 2, 2002.** Visit the web site at leeds.colorado.edu/cedir.

Custom Business Programs can be developed to meet the specific needs of your business and your employees. Clients can choose location, format, length and more. Some programs have been designed to result in a certificate. Visit the web site at leeds.colorado.edu/cbe/programs/custom/.

CUBIC, CU Business Intensive Certificate, is an excellent opportunity, for students from any accredited college/university, to acquire skills that will guide them in choosing a career and providing business knowledge that will enhance their degree. This three-week, noncredit certificate program is designed to provide non-business juniors and seniors with a solid understanding of fundamental business skills and practices. Upon successful completion of the program, students will earn a Certificate in Applied Business. **CUBIC will be offered May 13-31, 2002.** Visit the web site at leeds.colorado.edu/cubic.

The Real Estate Appraisal Program provides professionally developed courses for individuals planning to enter the appraisal profession, as well as continuing education for those already in the field. Visit the web site at www.colorado.edu/conted/reaestate.

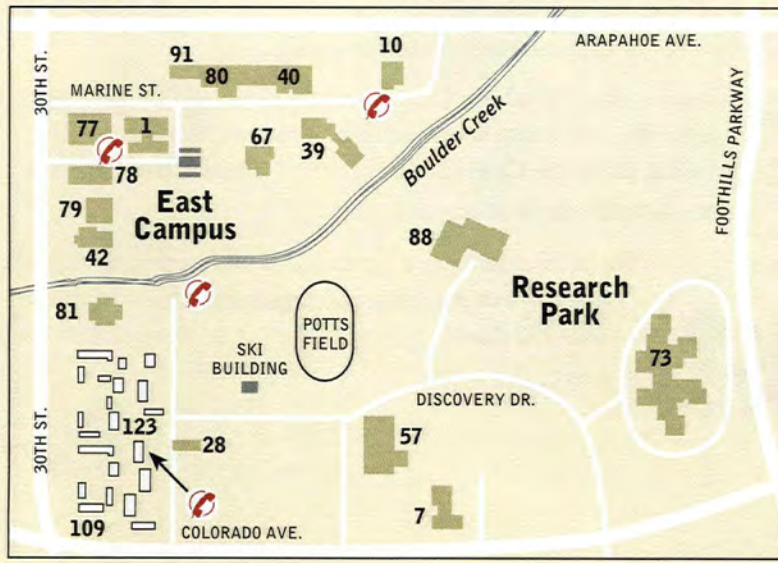
Effective July 1, 2002, the University of Colorado at Boulder will no longer offer real estate broker education courses. To find another provider, check the Colorado Real Estate Commission web site at www.dora.state.co.us/real-estate.

For more information on the CBE and its programs please visit the web site at leeds.colorado.edu/cbe or contact us at 303-735-1246.



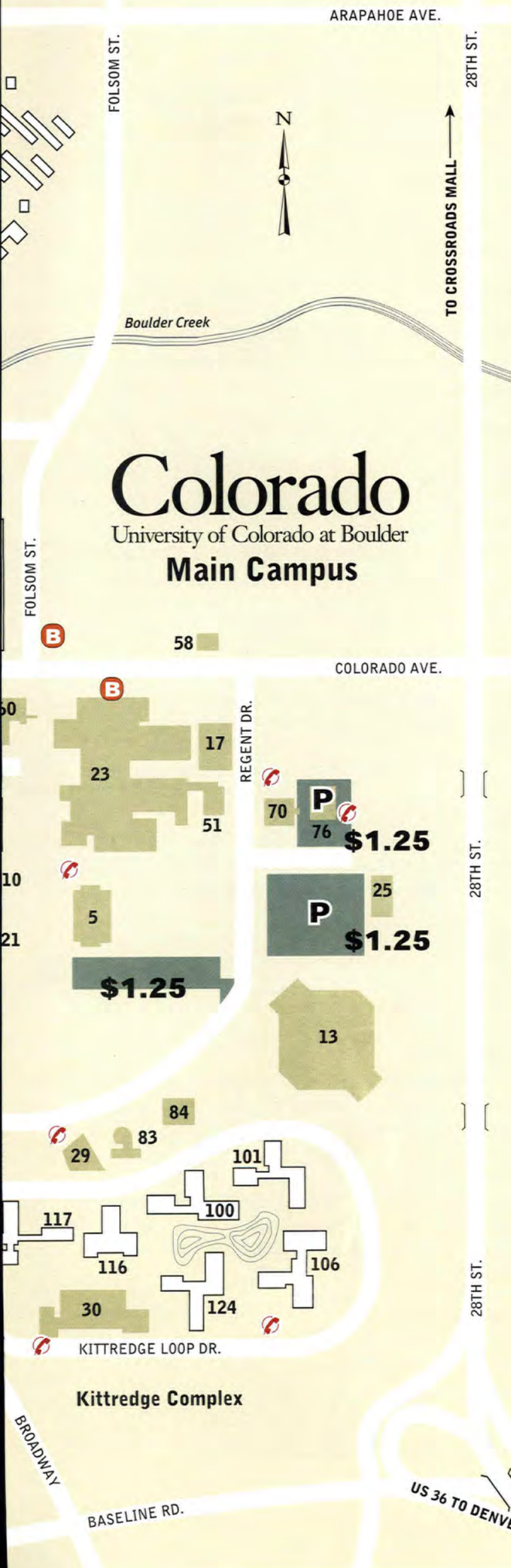


**Continuing
EDUCATION**
1505 University Ave.



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. Administrative and Research Center—East Campus (J-2) (ARCE)
2. Armory (D-4) (ARMR)
3. Balch Fieldhouse (E-7) (FH)
4. Benson Earth Sciences Building (F-9) (BESC)
5. Business (H-10) (BUS)
6. Carlson Gymnasium (E-7) (CARL)
7. Center for Astrophysics and Space Astronomy (L-3) (CASA)
8. Clare Small Arts and Sciences (D-6) (CLRE)
- * Charlotte York Irey Studios (F-4). See *University Theatre*.
9. College Inn Conference Center (B-5) (CICC)
10. Computing Center (J-3) (COMP)
11. Continuing Education (D-4) (CEDU)
12. Cooperative Institute for Research in Environmental Sciences (F-5) (CIRES)
13. Coors Events/Conference Center (I-12) (EVNT)
14. Cristol Chemistry and Biochemistry (G-5) (CHEM)
15. Dal Ward Athletic Center (D-8) (DALW)
16. Denison Arts and Sciences (G-4) (DEN)
17. Discovery Learning Center (F-11) (DLC) (under construction, 2002)
- * 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) (DUAN)
19. Eaton Humanities Building (E-5) (HUMN)
20. Economics (F-3) (ECON)
21. Education (G-4) (EDUC)
22. Ekeley Sciences (F-5) (EKLC)
23. Engineering Center (F/G-10/11) (EC)
24. Environmental Design (G-7) (ENVVD)
25. Environmental Health and Safety Center (I-2)
26. Euclid Avenue Autopark (G-6) (EPRK)
27. Family Housing Children's Center—Main Offices (A-9) (DACR)
28. Family Housing Children's Center—Colorado Court (L-2)
- * Fine Arts (G-6). See *Sibell Wolle Fine Arts*.
29. Fiske Planetarium and Science Center (J-10) (FISK)
30. Fleming Law (K-10) (LAW)
31. Folsom Stadium (E-8) (STAD)
32. Gamow Tower (F-7) (DUAN)
33. Gates Woodruff Women's Studies Cottage (F-3) (COTT)
34. Grounds and Service Center (D-9) (GRNS)
35. Guggenheim Geography (F-3) (GUGG)
36. Hale Science (E-3) (HALE)
37. Health Physics Laboratory (D-9) (HPHY)
38. Hellens Arts and Sciences/Mary Rippon Theatre (G-4) (HLMS)
- * Henderson Building (G-4). See *Museum of Natural History*.
39. Housing System Maintenance Center (K-3) (HSMC)
40. Housing System Service Center (J-2) (HSSC)
- * Humanities Building (E-5). See *Eaton Humanities*.
41. Imig Music (H-7) (MUS)
42. Institute for Behavioral Genetics (K-1) (IBG)
43. Institute of Behavioral Science No. 1 (D-2) (IBS1)
44. IBS No. 2 (C-2) (IBS2)
45. IBS No. 3 (D-2) (IBS3)
46. IBS No. 4 (D-2) (IBS4)
47. IBS No. 5 (D-4) (IBS5)
48. IBS No. 6 (C-2) (IBS6)
49. IBS No. 7 (C-2) (IBS7)
50. IBS No. 8 (C-3) (IBS8)
51. Integrated Teaching and Learning Laboratory (G-11) (ITLL)
52. International English Center (G-2) (IEC)
53. Joint Institute for Laboratory Astrophysics (G-7) (JILA)
54. Ketchum Arts and Sciences (F-6) (KTCH)
55. Koenig Alumni Center (E-2) (ALUM)
56. Laboratory for Atmospheric and Space Physics (F-7) (LASP)
57. LASP Space Technology Research Center (L-3) (LSTR)
- * Leeds School of Business (H-10). See *Business*.
58. Lesser House (F-11) (LESS)
- * Life Sciences Laboratories Complex (E-7). See *Muenzinger Psychology, Porter Biosciences, and Ramaley Biology*.
59. Macky Auditorium (D-4) (MCKY)
60. Mathematics Building (F-10) (MATH)
61. MCD Biology (E-7) (MCDB)
62. McKenna Languages (E-4) (MKNA)
63. Muenzinger Psychology (E-7) (MUEN)
64. Museum Collections (G-3) (MCOL)
65. Museum of Natural History, University of Colorado (G-4) (HEND)
- * Music Building (H-7). See *Imig Music*.
66. Norlin Library (F-6) (LIBR)
67. Nuclear Physics Laboratory (K-2) (NPL)
68. Old Main (E-4) (MAIN)
69. Page Foundation Center (D-3) (PFDC)
70. Police and Parking Services (G-12) (PDPS)
71. Porter Biosciences (E-7) (PORT)
72. Power House (F-6) (POWR)
73. Qwest Research Park (L-4) (USW)
74. Ramaley Biology (E-6) (RAMY)
75. Regent Administrative Center (I-8) (RGNT)
76. Regent Drive Autopark (G-12) (RPRK)
77. Research Laboratory, Litman RL1 (J-1) (LITR)
78. Research Laboratory, WICHE (K-1) (RL2)
79. Research Laboratory, Life Science RL4 (K-1) (LSRL)
80. Research Laboratory (Marine Street Science Center) RL6 (J-2) (MSSC)
81. Research Park Greenhouse (K-1) (GH-3)
82. Sibell Wolle Fine Arts (G-6) (FA)
83. Sommers-Bausch Observatory (I-11) (OBSV)
84. Speech, Language, and Hearing Sciences

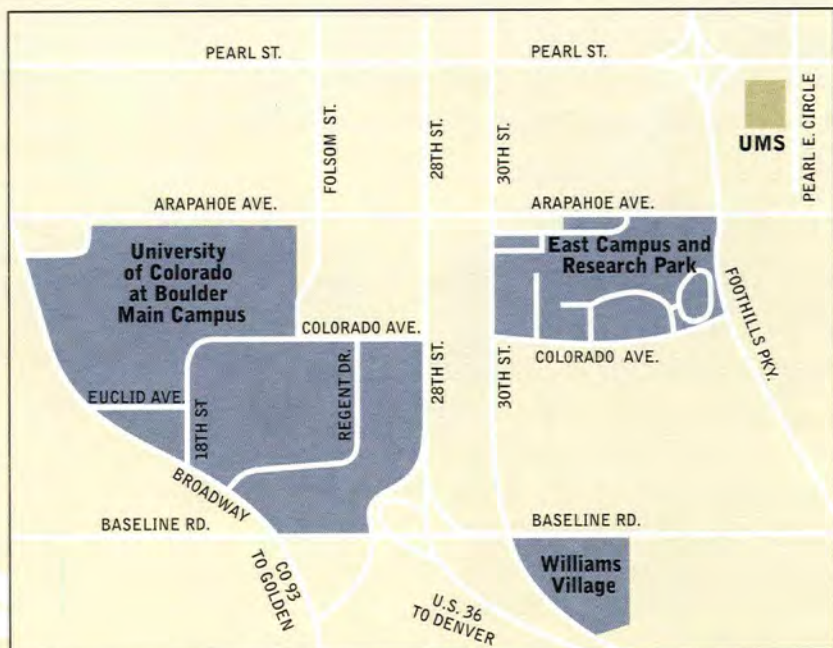
(I-11) (SLHS)

85. Stadium Offices (E-8) (STAD)
86. Stadium Ticket Building (F-9) (STTB)
87. Student Recreation Center (D-6/7) (REC)
88. Sybase (K-3) (SYBS)
89. Telecommunications Building (G-6) (TCOM)
90. Temporary Building No.1 (D-6) (TB01)
91. Transportation Center (J-2) (TRAN)
92. University Administrative Center and Annex (I-7) (UCTR)
93. University Club (H-6) (CLUB)
94. University Memorial Center (G-5) (UMC)
95. University Theatre (including Charlotte York Irey Studios) (F-4) (THTR)
96. Wardenburg Health Center (H-7) (WARD)
97. Willard Administrative Center—North Wing (H-9) (WCTR)
98. Woodbury Arts and Sciences (E-5) (WDBY)

University Housing

99. Aden Hall—Quadrangle (G-9) (ADEN)
100. Andrews Hall—Kittredge Complex (J-11) (ANDS)
101. Arnett Hall—Kittredge Complex (J-12) (ARNT)
102. Athens Court (B/C-6/7) (ATCT)
103. Athens North Court (B-6) (ATHN)
104. Baker Hall (G-7) (BKER)
105. Brackett Hall—Quadrangle (G-9) (BRKT)
106. Buckingham Hall—Kittredge Complex (K-12) (BUCK)
107. Cheyenne Arapaho Hall (H-7) (CHEY)
108. Cockerell Hall—Quadrangle (G-10) (CKRL)
9. College Inn (B-5) (CICC)
109. Colorado Court (L-1)
110. Crosman Hall—Quadrangle (G-10) (CROS)
111. Kirtredge Commons—Williams Village (DLYC)
112. Darley Towers—Williams Village (DLYT)
113. Faculty-Staff Court (C-5/6) (FACT)
114. Farrand Hall (H-9) (FRND)
115. Hallett Hall (H-9) (HLET)
116. Kittredge Commons—Kittredge Complex (J-10) (KITT)
117. Kittredge West Hall—Kittredge Complex (J-10) (KITW)
118. Libby Hall (G-8) (LIBY)
119. Marine Court (B-7) (MRCT)
120. Newton Court (B/C-9/10) (NTCT)
121. Reed Hall (H-10) (REED)
122. Sewall Hall (D-5) (SWLL)
123. Smiley Court (L-1) (SMCT)
124. Smith Hall—Kittredge Complex (K-11) (SMTH)
125. Stearns Towers—Williams Village (STRN)
126. Willard Hall—South Wing (H-8) (WLRD)
- * Williams Village. See *Darley Commons, Darley Towers, and Stearns Towers*.

University meters are enforced between 7 a.m. and 5 p.m. seven days a week, including Saturdays & Sundays.



Based on map produced by University Communications.

Registration Information

Registration Begins May 6!

1. **Register by Mail.** A postage-paid envelope is located in this catalog. Registration forms are on page 51 for evening credit and page 52 for personal enrichment and computer courses.
2. **Fax Your Registration.** Fast and easy. Day or night to 303-492-3962. Send page 51 for evening credit courses and page 52 for personal enrichment and computer courses.
3. **In Person.** Come to the Continuing Education Office, 1505 University Avenue, between 7:30 a.m. and 4:30 p.m. Monday through Friday (until 5:30 on Thursdays).
4. **By Phone for Personal Enrichment and Computer Courses using Visa, MasterCard, and Discover.** Complete the registration form (page 52) and have your credit card information handy. Then call 303-492-5148 or 800-331-2801 between 7:30 a.m. and 4:30 p.m. Monday through Friday (until 5:30 on Thursdays) (TTY 303-492-8205).
5. **Use CU Connect or PLUS for Boulder Evening and Independent Learning Courses.** See page 10 for more information.

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

Tuition

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. Nonresidents of Colorado are assessed tuition based on the price per semester hour and the number of semester hours for which they register. Nonresidents may register for up to three (3) semester hours at the nonresident reduced rate cited in the most recent program publication. Nonresidents registering for four (4) or more semester hours of credit courses offered by the Division of Continuing Education, regardless of program are assessed nonresident 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.

Student residency does not affect tuition charged for Personal Enrichment and Computer Applications courses.

All tuition and refund determinations are subject to audit.

Credit Programs

You can earn academic credit at every level, high school through graduate school in a variety of learning formats. Credit programs include:

Boulder Evening Credit Program

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 Program

Noncredit courses offered at convenient evening hours means no tests, no grades, and no prerequisites. Yet personal enrichment courses encompass both personal and professional interests and are taught by highly qualified instructors. Enjoy non-competitive learning with others who share your interests.

Professional Enhancement: Certificate Programs

To polish skills or explore another field, Continuing Education offers a full spectrum of programs.

Network Administration

Programming

Web Site Design

Web Graphics

Professional Development Programs

For working professionals to build and enhance business skills.

Center for Business Education

International English Center

Course Locations

Course locations are noted 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 during evenings and weekends. The Campus Map gives both building and parking lot locations. To skip parking altogether, take the RTD bus to campus.

Parking

Continuing Education students follow campus policy procedures. Parking permits may be purchased through Parking Services, 1050 Regent Drive. During special events on campus, students may present their registration receipt to park at no extra charge. Additional information is available on the Web at ucbparking.colorado.edu.

Course Updates

Occasionally information printed in this catalog changes such as course locations, cancellations, etc. For the most up-to-date information, visit our web site at www.colorado.edu/conted.

Change Your Mind?

Please let us know. If you drop a course before it begins, you may receive a full refund. Refer to each program description for refund policies after a course begins.

Student Privacy

You may elect to have directory information withheld about yourself which includes requesting transcripts over the phone. Please call or visit our office to receive the required 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 and television stations. Or call 303-735-5000 for course closing information.

Books and Supplies

Required course materials are available at the CU Bookstore in the basement of the University Memorial Center on campus. Call 303-492-6411 or visit their web site at cubooks.colorado.edu

Call us at 303-492-5148 or 800-331-2801 (TTY 303-492-8905) if you need any help or additional information.

Credit Registration Form

MAIL TODAY!
 FAX: 303-492-3962
 STOP BY: 1505 University Avenue

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:

- African American or Black, not of Hispanic origin
- American Indian or Alaskan Native - Tribe: _____
- Asian or Pacific Islander
- Hispanic, Chicano, Mexican American, Latino
- Multiracial - define: _____
- White, not of Hispanic origin
- I do not wish to provide this information

RESIDENCY:

- Colorado
- Other State Abbr. _____

SOCIAL SECURITY NUMBER:

____/____/____

For identification purposes. If you wish to claim continuing education tax credits, your social security number must be provided.

FORMER CU STUDENT NUMBER:

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 _____

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.

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)

Dept. Abbr.	Course No.	Cr. Hrs.	Sect. No.	Title(s) of course(s) for which you are enrolling	Location

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.

YOU	YOUR FAMILY (check one): <input type="checkbox"/> PARENT <input type="checkbox"/> GUARDIAN
Dates of continuous physical presence in Colorado (mo./day/yr.) _____ to _____	_____ to _____
Dates of employment in Colorado (mo./day/yr.) _____ to _____	_____ to _____
List exact years for which Colorado income taxes have been filed _____	_____
Dates of extended absences from Colorado of more than two months within the past two years (mo./day/yr.) _____ to _____	_____ to _____
Dates of active duty military service, if applicable (mo./day/yr.) _____ to _____	_____ to _____
If military, dates stationed in Colorado (mo./day/yr.) _____ to _____	_____ to _____
Date current Colorado driver's license, if applicable (mo./day/yr.) _____ to _____	_____ to _____
List exact years of Colorado motor vehicle registration _____	_____
Date of Colorado voter registration (mo./day/yr.) _____ to _____	_____ to _____
Dates of ownership of any Colorado residential property (mo./day/yr.) _____ to _____	_____ to _____

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 _____

Charge: VISA MasterCard Discover (check one)

Tuition Payment

Please send a check, payable to University of Colorado, to:
 Division of Continuing Education
 University of Colorado at Boulder, 178 UCB
 Boulder, CO 80309-0178

Expiration Date _____

If using MasterCard, VISA, Discover enclose the following information.

Print Cardholder's name, as it appears on the charge card.

Noncredit Registration Form

The University of Colorado at Boulder does not discriminate on the basis of race, color, national origin, sex, age, disability, creed, sexual orientation, religion, or veteran status in admission 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, University of Colorado at Boulder, 144 UCB, Boulder, CO 80309-0144 or call 303-492-6706.

This publication was printed and mailed using funds generated solely by Continuing Education programs. Continuing Education regrets any printing errors, but accepts no liability for them.

Instruction offered as part of the Statewide Extended Studies Program.

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

_____ Last Name First Middle Initial Maiden

Mailing Address _____ Home Telephone _____

City _____ State _____ Zip _____

Business Name _____

Business Address _____ Office Telephone _____

City _____ State _____ Zip _____

E-mail address _____

Sex Male Female

Have you ever enrolled for 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)

ETHNICITY:

- African American or Black, not of Hispanic origin
 American Indian or Alaskan Native – Tribe: _____
 Asian or Pacific Islander
 Hispanic, Chicano, Mexican American, Latino
 Multiracial – define: _____
 White, not of Hispanic origin
 I do not wish to provide this information

COMPUTER APPLICATIONS:

- Are you working toward a program certificate?
 No Yes

If yes, please indicate which certificate:

- Network Administration
 Programming
 Web Site Design
 Web Graphics

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.

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 _____

Tuition Payment

Please send a check, payable to University of Colorado, to:
Division of Continuing Education
University of Colorado at Boulder
178 UCB
Boulder, CO 80309-0178

If using MasterCard, VISA, Discover enclose the following information:

Charge: VISA MasterCard Discover (check one)

_____ / _____ / _____ Exp. 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).

Index

- A**
ACCESS Program 21
Access (database software)..... 35
Acting..... 26
American Sign Language 18
Anthropology 13
Appraisal program..... 47
Art History..... 7
Astrophysical and Planetary Sciences..... 13
- B**
blurr pm 46
Book Arts 24
Boulder Evening Credit Program..... 3-9
Business Education, Center for 47
- C**
C# programming..... 45
Campus Map..... 48-49
CATECS 20
CEDIR Program..... 47
Certificate Programs
 American Sign Language..... 18
 Business Intensive 47
 Embedded Systems 47
 Executive Development 47
 Network Administration 30
 Programming..... 31
 Software Engineering..... 47
 Web Graphics 30
 Web Site Design..... 30-31
ColdFusion 40
Colorado Shakespeare Festival..... 26
Communication 6
Computer Applications Program 29-45
Computer Graphics 41-42
Computer Science 13
Correspondence study..... 13-17, 19
Creative writing..... 27
CU Connect 10-11
CUBIC Program..... 47
- D**
Databases 35
Degree Completion Program..... 21
Distance learning 13-19, 20
Drawing 24
Dreamweaver 40
- E**
Economics..... 6, 14
Education 14
Embedded Systems Certificate 47
Engineering 20
English 6, 14, 18
English as a Second Language..... 46
Excel..... 34
Extensible Mark-up Language (XML) .. 45
- F**
Fine Arts 7, 15, 24-25
Flash 39-40
Foreign Languages 9, 25-26
French..... 25
FrontPage 39
- G**
Geography 15
Geology 15
Graphic design 41
Graphics 41-42
- H**
High School Concurrent Program..... 21
High School correspondence courses 19
History 7, 15
HTML..... 38
- I**
Illustrator 42
Independent Learning Programs 13-19
International English Center..... 46
Internet applications..... 37-40
Italian 25
- J**
Japanese..... 25-26
Java programming 44
JavaScript 39
Journalism 7, 15
- K**
Kinesiology and Applied Physiology .. 7, 16
- L**
Literature 6
- M**
Mathematics 16
Music 16
- N**
.NET 45
Network Administration Certificate..... 30
Networking courses 36-37
Nontraditional Student
 Scholarship..... 3, 23, 29
Nutrition..... 7
- O**
Object-Oriented Design 44, 45
Oil painting..... 24
On-line courses 13-18
- P**
Painting 24
Parking..... 48-49, 50
PERL..... 45
Personal Enrichment Program 23-27
Philosophy..... 7, 16
Photography 24, 25
- Photoshop 41-42
PLUS 10-11
Political Science..... 8, 16
Portuguese..... 26
Programming Certificate 31
Programming courses..... 43-45
Psychology..... 8, 16-17
- Q**
Quantitative Reasoning
 and Mathematical Skills..... 8
- R**
Refunds
 Boulder Evening 4
 Computer Applications 29
 Personal Enrichment 23
Registration Information 50
Relational databases..... 35
Religious Studies..... 9
- S**
Scholarships..... 3, 23, 29
Scriptwriting..... 7
Shakespeare..... 26
Shockwave Studio 42
Sign Language 18
Sociology..... 9, 17
Software Engineering Certificate..... 47
Spanish 9, 26
Spreadsheets 34
SQL programming 35
Summer Session 21
- T**
Telecommunications 20
Theatre 26
Travel writing 27
- U**
UNIX..... 37
- V**
Visual Basic programming..... 45
- W**
Water Media..... 24
Web applications 37-40
Web-based courses..... 13-18
Web Graphics Certificate 30
Web registration..... 10-11
Web Site Design Certificate..... 30-31
Windows 34
Windows administration..... 37
Word processing 34
Writing 6, 27
Writing and Rhetoric..... 9, 17, 18
- X**
XML (Extensible Mark-up Language) .. 45

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