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.
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

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**Registration Information**

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**Credit Registration Form**

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**Noncredit/Certificate Registration Form**

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**CATALOG PRODUCTION**
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"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 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 aid 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/finalid.

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

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

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

<table>
<thead>
<tr>
<th>Course No.-Hours</th>
<th>Section</th>
<th>Call #</th>
<th>Times</th>
<th>Course Title</th>
<th>Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 2110-3</td>
<td>100</td>
<td>60239</td>
<td>6-9 p.m.</td>
<td>Second-Year Spanish 1</td>
<td>foreign language</td>
</tr>
</tbody>
</table>

### Term 3W (Seven-Week) Classes

<table>
<thead>
<tr>
<th>Course No.-Hours</th>
<th>Section</th>
<th>Call #</th>
<th>Times</th>
<th>Course Title</th>
<th>Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 2400-3</td>
<td>100</td>
<td>60228</td>
<td>6-9 p.m.</td>
<td>Communication and Society</td>
<td>contemporary societies</td>
</tr>
<tr>
<td>JOUR 4874-3</td>
<td>100</td>
<td>60236</td>
<td>6:30-9:30 p.m.</td>
<td>Special Topics: Scriptwriting for the Entertainment Industry</td>
<td>none</td>
</tr>
<tr>
<td>PHIL 1100-3</td>
<td>100</td>
<td>60230</td>
<td>6-9 p.m.</td>
<td>Ethics</td>
<td>ideals and values</td>
</tr>
<tr>
<td>PSCI 3011-3</td>
<td>100</td>
<td>60231</td>
<td>6-9 p.m.</td>
<td>The American Presidency</td>
<td>United States context</td>
</tr>
</tbody>
</table>

### Term 2W (Two-Week) Classes

<table>
<thead>
<tr>
<th>Course No.-Hours</th>
<th>Section</th>
<th>Call #</th>
<th>Times</th>
<th>Course Title</th>
<th>Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2020-4</td>
<td>300</td>
<td>60222</td>
<td>6-9 p.m.</td>
<td>Principles of Macroeconomics</td>
<td>contemporary societies</td>
</tr>
<tr>
<td>ENGL 3060-3</td>
<td>300</td>
<td>60223</td>
<td>5:30-8:30 p.m.</td>
<td>Modern and Contemporary Literature</td>
<td>literature and the arts</td>
</tr>
<tr>
<td>PSCI 4751-3</td>
<td>300</td>
<td>60225</td>
<td>5:30-8:30 p.m.</td>
<td>The Politics of Ideas</td>
<td>critical thinking</td>
</tr>
<tr>
<td>WRTG 3020-3</td>
<td>301</td>
<td>60227</td>
<td>6-9 p.m.</td>
<td>Topics in Writing: Topics in the <em>New York Times</em></td>
<td>written communication</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course No.-Hours</th>
<th>Section</th>
<th>Call #</th>
<th>Times</th>
<th>Course Title</th>
<th>Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3051-3</td>
<td>300</td>
<td>60229</td>
<td>5:30-8:30 p.m.</td>
<td>Intermediate Fiction Workshop</td>
<td>none</td>
</tr>
<tr>
<td>FINE 1300-3</td>
<td>300</td>
<td>60233</td>
<td>6-9 p.m.</td>
<td>History of World Art 1</td>
<td>literature and the arts</td>
</tr>
<tr>
<td>HIST 2866-3</td>
<td>300</td>
<td>60235</td>
<td>6:30-9:30 p.m.</td>
<td>American History and Film</td>
<td>United States context</td>
</tr>
<tr>
<td>KAPH 3420-3</td>
<td>300</td>
<td>60237</td>
<td>6-9 p.m.</td>
<td>Nutrition, Health and Performance</td>
<td>natural science</td>
</tr>
<tr>
<td>PSYC 4456-3</td>
<td>300</td>
<td>60232</td>
<td>6-9 p.m.</td>
<td>Psychology of Personality</td>
<td>none</td>
</tr>
<tr>
<td>RLST 2500-3</td>
<td>300</td>
<td>60221</td>
<td>6-9 p.m.</td>
<td>Religions in the United States</td>
<td>United States context or ideals and values</td>
</tr>
<tr>
<td>SOCY 3151-3</td>
<td>300</td>
<td>60238</td>
<td>6-9 p.m.</td>
<td>Self in Modern Society</td>
<td>United States context or ideals and values</td>
</tr>
<tr>
<td>WRTG 3020-3</td>
<td>302</td>
<td>60240</td>
<td>5:30-8:30 p.m.</td>
<td>Topics in Writing: Music and Society</td>
<td>written communication</td>
</tr>
</tbody>
</table>
COM MUNICATION

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. Helmens 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. Helmens 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-Patez, M.A.

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

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 Fahn, Ph.D.

Term 1W - Section 100: Call No. 60234
Mondays, Tuesdays, and Wednesdays, 6-9 p.m. Economics 13. $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 Iannessa, 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 Sper, M.A.

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

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).

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 E.131. $375 (resident).
**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.

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

**SPANISH**

Second-Year Spanish I  
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 Garcia, B.A.*  
Term 1W - Section 100: Call No. 60239  
Mondays, Tuesdays, and Wednesdays, 6-9 p.m. Hellemus 237. $395 (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).

**WRITING AND RHETORIC**

Topics in Writing  
WRG 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. 60277  
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).
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 #.

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<th>Department Abbreviation</th>
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<th>Enrolled or Waitlisted?</th>
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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 # 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 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/cervww.

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<th>Credit Hours</th>
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ASTROPHYSICAL AND PLANETARY SCIENCES

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65x = print-based correspondence course
58x = online, term-based course
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<td>John Hatch, Ph.D.</td>
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<td>640</td>
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<td>Rebecca Self Hill, Ph.D.</td>
<td>3</td>
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<td>Cinda Gillilan Ph.D.</td>
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* SECTION LEGEND
64x = online, self-paced course
65x = print-based correspondence course
58x = online, term-based course
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<tr>
<th>Dept.</th>
<th>Course No.</th>
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<th>Instructor</th>
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64e = online, self-paced course
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58x = online, term-based course
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<th>Instructor</th>
<th>Credit Hours</th>
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*SECTION LEGEND*

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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/lsls/ASLcert/](http://www.colorado.edu/lsls/ASLcert/), or call: toll-free TTY 877-613-9457, Toll-free Voice 877-613-9458.
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/cswww.

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.

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

INDEPENDENT LEARNING
- IT'S UP TO YOU.

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

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

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

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<td>Telecommunications Theory and Application Help Session</td>
<td>Mitchell</td>
<td>8-10:05</td>
<td>M-R</td>
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<td>TLEN 5834</td>
<td>Telecommunications Programming</td>
<td>Mitchell</td>
<td>2:15-4</td>
<td>M-F</td>
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<tr>
<td>TLEN 5837</td>
<td>Video and Technology</td>
<td>Borsuk</td>
<td>9-11:45</td>
<td>MWF</td>
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<tr>
<td>TLEN 5350</td>
<td>Satellite Communications</td>
<td>Mitchell</td>
<td>10:15-2</td>
<td>M-F</td>
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<td>TLEN 5500T</td>
<td>Cable TV</td>
<td>Bardsley</td>
<td>12:30-3:30</td>
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Term C (June 4-July 27, 8-week session)

**ENGINEERING MANAGEMENT**

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<td>EMEN 5042</td>
<td>Methods for Quality Improvement</td>
<td>Hensler</td>
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<td>EMEN 5050</td>
<td>Leadership and Management</td>
<td>Micucci</td>
<td>9:30-12</td>
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**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/coned/access.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.

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/coned/hsconcur.htm.

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/coned/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 Hellens 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/ncfa.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.

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**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 Masukawa 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 Seminson, 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 Seminson, 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 Oberheck 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.

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., Hellem's 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., Hellem's 253. 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 Maeata 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.

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., Hellem's 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., Hellem's 247. 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.
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.

Minoru 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 I, is available at the CU Bookstore.

Bia Vordi, 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., Hellem 255. 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., Hellem 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., Hellem 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 Osano, Ph.D. in Theater from CU-Boulder, teaches theater 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., Hellem 252. 1 session. $60.

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

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

Section 104: Richard III, Wednesday, July 31, 6:15-8:15 p.m., Hellem 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 Jovanovich 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 Chengze 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.
"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.

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 halftime 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 2441 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. 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 4001 Advanced HTML
   5th – CAWB 2701 Introduction to JavaScript

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
B. Other Required Core Course
CAWB 3101 Design Techniques for Websites

C. Required Multimedia Elective (choose one)
CAGR 3321 Macromedia Director Shockwave Studio
CAWR 3421 Multimedia Solutions
CAWB 2611 Dreamweaver
CAWB 2511 Introduction to Motion Graphics Using Flash
CAWR 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
CAWR 2411 Web Site Design with FrontPage
CAWR 3702 Intermediate JavaScript
CAWR 2811 ColdFusion
CAWB 2611 Dreamweaver
CAWB 2511 Introduction to Motion Graphics Using Flash
CAWR 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 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)
CAWR 1001 Introduction to Programming I
CAWR 2101 Introduction to Programming II
CAWR 3101 Introduction to Programming III
CAWR 3201 Intermediate Application Programming
CAWR 3202 Algorithm Design

Option 2: For those with some programming experience/background (all courses are required)
CAWR 2201 Introduction to Application Programming
CAWR 3201 Intermediate Application Programming
CAWR 3202 Algorithm Design

B. Choose One of Two Tracks
1. C++ Track (all courses required)
CAWR 2102 Introduction to Object-Oriented Programming in C++
CAWR 4101 Intermediate/Advanced C++ Programming
CAWR 5401 Object-Oriented Design Patterns
CAWR 5402 Object-Oriented Analysis and Design

2. Java Track (all courses required)
CAWR 2601 Introduction to Object-Oriented Programming
CAWR 3601 Java for Object-Oriented Programmers
CAWR 4601 Advanced Java Programming Language Topics
CAWR 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
CAWR 4603 Enterprise Java Beans (EJB) Overview
CAWR 5601 GUI Programming in Java
CAWR 5602 Developing Web Applications in Java
CAWR 5603 Java Servlets
CAWR 5604 Network-Embedded Java Programming
CAWR 5605 Java Internationalization

Design Topics
CAWR 5401 Object-Oriented Design Patterns
CAWR 5402 Object-Oriented Analysis and Design

Visual Basic Topics
CAWR 2301 Introduction to Hands-on Visual Basic Programming
CAWR 3301 Intermediate Hands-on Visual Basic Programming

PERL Topics
CAWR 2701 Introduction to PERL for Programmers
CAWR 3702 PERL for Web Application Programming

Database Design Topics
CAWR 4501 Database Design Concepts
CAWR 4502 Relational Database Concepts and SQL Programming

Other Topics
CAWR 3701 Extensible Markup Language (XML)
CAWR 5501 Introduction to Software Project Management
## Course Guide

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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.

Isy 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.

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.

Isy 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.

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.

Isy 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 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, coping and pasting; and linking Excel data to other 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 1840 (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 Bose, B.S.*

Section 100: Mondays and Wednesdays, June 3–July 1, 6–8 p.m. 9 sessions. University Management Systems 001. $400.
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 Abrens, 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, moderns, 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 Lafleur, 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 Laforter, 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 troubleshooting techniques and how to solve and prevent network problems. Prerequisite: CANW 4101 Network Operating Systems or equivalent.

Shaym 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 Gaudinier.

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 (sh) 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 Revoco, 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.
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 Ahearn, 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 Wilamowski, 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.
Karim 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 HPO'T Hands-On Training, Weil and Green.
Tim Meehan

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

Section 102: Saturdays, July 13–August 3, 9 a.m.–12 p.m.
All Sections: 4 sessions. University Computing Center 127. $300.
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 HOT 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 Bosch
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.
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.

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.

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 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 Meilan

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

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

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 Bernan, M.D.*

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.
Introduction to 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 Stehlík, Jim Roberts, and Richard Pattis.

Charly Stever, 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.

Charrly Stever, 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.

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.
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 Kamiński, 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 Kamiński, 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. Prerequisite: 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.

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.

Grog Holberg, B.S.

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

Enterprise Java Beans (EJB)
Overview
CAPR 4603
This lecture-based course will introduce you to 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 Rodenhugh, B.A.

Section 100: Mondays, July 8-29, 6-9 p.m. 4 sessions. Humanities 145. $395.
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 Holting, 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 or Perl Programming 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 XSLT, 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.
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

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

blur'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 blur 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 blur.colorado.edu or call us at 303-735-5184.

CONTINUING EDUCATION Summer 2002

Registration begins MAY 6
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/ESECertificate.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/softwareengineering.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/realestate.

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: Parking after 5 p.m., and Saturdays. Exact change in quarters suggested
- Emergency telephones
- RTD bus stops bordering campus
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 ucparking.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 bookstore.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

UNIVERSITY OF COLORADO
DIVISION OF CONTINUING EDUCATION

Credit Registration Form

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 ____________________________  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
□ Multinational - define:
□ White, not of Hispanic origin
□ I do not wish to provide this information

CITIZENSHIP:

□ U.S. Citizen
□ Permanent Resident
□ Temporarily in the U.S. until (please specify):
□ Non-U.S. Citizen - permanent status
□ Non-U.S. Citizen - Temporary Status

Former CU Student Number ____________________________

Selectiv 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? □ Yes  □ No (Submit HS Concurrent Form)
2. Have you ever enrolled for credit course(s) at any campus of the University of Colorado? □ Yes  □ No
3. Are you currently on suspension from any Campus/School of CU? □ Yes  □ No
4. Do you owe a debt to any University of Colorado campus? □ Yes  □ No
5. Do you have a college degree? □ Yes  □ No  Highest Degree ____________________________ Date Awarded ____________________________
6. Have you ever been convicted of a felony? (other than traffic violation) □ Yes  □ No

Dept.  Abbrev. 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:

Dates of continuous physical presence in Colorado (mo./day/yr) ____________________________
Dates of employment in Colorado (mo./day/yr) ____________________________
List exact years for which Colorado income taxes have been paid ____________________________
Dates of extended absences from Colorado of more than two months within the past two years (mo./day/yr) ____________________________
If military, dates stationed in Colorado (mo./day/yr) ____________________________
Date current Colorado driver’s license, if applicable (mo./day/yr) ____________________________
List exact years of Colorado motor vehicle registration ____________________________
Date of Colorado voter registration (mo./day/yr) ____________________________
Dates of ownership of any Colorado residential property (mo./day/yr) ____________________________

I hereby certify that to the best of my knowledge the information furnished on this application is true and complete without evasion or misrepresentation.

Student's Signature ____________________________ Date ____________________________

Tuition Payment

Charge: □ VISA  □ MasterCard  □ Discover  □ (check one)
Expiration Date ____________________________

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

If using MasterCard, VISA, Discover enclose the following information.
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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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 Name  Middle Initial  Maiden Name

Mailing Address

City

State

Zip

Business Name

Business Address

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)

Course No.  Section No.  Course Title

Attach additional sheet if needed

Total Enclosed

Please register me for the course(s) listed above.

Signature  Date

Tuition Payment

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

Charge:  □ VISA  □ MasterCard  □ Discover  □ (check one)

Exp. Date

Note that credit card enrollments can be made by phone (see Registration Information).
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