

Continuing EDUCATION

UNIVERSITY OF COLORADO AT BOULDER CATALOG

Spring 2007



WELCOME

Let the Division of Continuing Education be your bridge to the University and help 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 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. It's your choice. Let us know how we can help you *learn...grow...become...**

NEW AND NOTEWORTHY

Here are a few of the new choices this spring.

Boulder Evening

Weather and the Atmosphere
ATOC 1050

**Our Changing Environment:
El Nino, Ozone, and Climate**
ATOC 1060

Weather and the Atmosphere Lab
ATOC 1070

Personal Enrichment

Getting Published Conference brings together published writers in an informative, dynamic forum. See page 35 for information.

Computer Applications

Java Server Pages 2.0
CAPR 5607

Macromedia Fireworks
CAGR 3511

Tuition deferment options available.
Call 303-492-6596 for details.

PROGRAM UPDATES

The Center for Advanced Engineering and Technology Education (CAETE) is a new partnership between Continuing Education and the College of Engineering and Applied Science offering master's degrees and certificates in engineering management and telecommunications. See page 25 for details.

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

CONTINUING
EDUCATION
CENTER

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CATALOG PRODUCTION

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

*I try to make learning Spanish fun.
I'm energetic and I laugh a lot.*

Wendy Mendez
Spanish

If you take a Spanish class with Wendy Mendez, you'll learn more than the language. A native of the Dominican Republic, Wendy talks firsthand about culture and also about how the language differs depending on what country you're in. "I'm always learning so I can share with my students. I also want my students to be able to go on vacation and be able to communicate—more than asking for a beer and tacos."



Boulder Evening Credit Program

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

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

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

Academic Advising: An academic advisor is available to help you plan a degree program, decide on a major, or simply explore your options. Feel free to call 303-492-8252 for an appointment.

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

Pass/Fail: Any course taken for pass/fail is subject to restrictions established by your school or college.

Final Grades: Final grades will be available approximately 2 weeks after the course ends. To check your final grade, see Web Registration Information on page 17.

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 \$155 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 \$372 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 when a nonresident degree student pays full out-of-state tuition through the Boulder campus and then enrolls for additional Boulder Evening credit 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: Students have the option of paying student fees for use of campus facilities (RTD bus pass, Recreation Center, Wardenburg Health Center, and other student services). Information on cost and paying student fees may be obtained by calling 303-492-5148.

Financial Aid: Degree students may qualify for all financial aid programs if eligible. Nondegree students taking courses for credit may qualify for a Stafford Loan (formerly GSL) if eligible. Applications are available in the Office of Financial Aid, 303-492-4518, or visit the web site at www.colorado.edu/finaid/continuinged.html.

Scholarships: Students who are 25 years of age or older are eligible for the Nontraditional Student Scholarship for Continuing Education enrollment. December 8 is the spring application deadline. Scholarship awards range up to \$460. Applications are available at Continuing Education or can be found on the Web at www.colorado.edu/conted/scholarships.htm.

Veteran Benefits: As an eligible veteran or veteran dependent, you may enroll in evening classes and apply the 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 pages 5 and 6.

To Enroll: We encourage you to register in advance of the first class by PLUS, by mail, by FAX, or in person at the Division of Continuing Education, 1505 University Avenue.

Faculty and Staff Discounts: University of Colorado faculty and staff on at least a permanent, half-time appointment and retired faculty and staff may enroll in classes at a 50% tuition discount. Please provide proof of status with the University of Colorado when you register. Call 303-492-5148 for more information.

SURVIVAL TIP:

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



Boulder Evening Registration and Refund Deadlines

SPRING 2004

FULL TERM

December 1

Boulder Evening registration through PLUS begins 7 a.m.-midnight. Registration is also available by mail, fax, or in person at the Division of Continuing Education, 1505 University, 8 a.m.-5 p.m. Monday through Friday.

December 8

Deadline to apply for Nontraditional Student Scholarship.

January 19

University closed.

January 20

Full Term classes begin.

January 30

Deadline to petition for in-state tuition classification for Full Term classes.

February 3

5 p.m. deadline to register for Full Term classes, add your name to a wait list, request pass/fail or no credit status, or drop with a 100% refund. Withdrawals from classes after this date will appear as a "W" on your academic record and must be received in writing.

February 4

Instructor's signature required to add or drop Full Term classes.

February 11

Tuition for Full Term due.

February 17

5 p.m. deadline to drop Full Term classes with a 60% refund.*

March 2

5 p.m. deadline to drop Full Term classes with a 40% refund.*

March 3

Petition required to add or drop Full Term classes. Petition Forms documenting extenuating circumstances are available at Continuing Education.

March 22-26

Spring break. No classes.

April 29-May 3

Last day of classes and final exams for Full Term classes.

SESSION I

December 1

Boulder Evening registration through PLUS begins 7 a.m.-midnight. Registration is also available by mail, fax, or in person at the Division of Continuing Education, 1505 University, 8 a.m.-5 p.m. Monday through Friday.

December 8

Deadline to apply for Nontraditional Student Scholarship.

January 19

University closed.

January 20

Session I classes begin.

January 23

Deadline to petition for in-state tuition classification for Session I classes.

January 27

5 p.m. deadline to register for Session I classes, add your name to a wait list, request pass/fail or no credit status, or drop with a 100% refund. Withdrawals from classes after this date will appear as a "W" on your academic record and must be received in writing.

January 28

Instructor's signature required to add or drop Session I classes.

February 3

5 p.m. deadline to drop Session I classes with a 60% refund.*

February 10

5 p.m. deadline to drop Session I classes with a 40% refund.*

February 11

Petition required to add or drop Session I classes. Petition Forms documenting extenuating circumstances are available at Continuing Education.

Tuition for Session I due.

March 4 and 8

Last day of classes and final exams for Session I.

SESSION II

December 1

Boulder Evening registration through PLUS begins at 7 a.m.-midnight. Registration is also available by mail, fax, or in person at the Division of Continuing Education, 1505 University, 8 a.m.-5 p.m. Monday through Friday.

December 8

Deadline to apply for Nontraditional Student Scholarship.

January 19

University closed.

March 9

Session II classes begin.

March 12

Deadline to petition for in-state tuition classification for Session II classes.

March 16

5 p.m. deadline to register for Session II classes, add your name to a wait list, request pass/fail or no credit status, or drop with a 100% refund. Withdrawals from classes after this date will appear as a "W" on your academic record and must be received in writing.

March 17

Instructor's signature required to add or drop Session II classes.

March 22-26

Spring break. No classes.

March 30

5 p.m. deadline to drop Session II classes with a 60% refund.*

March 31

Tuition for Session II due.

April 6

5 p.m. deadline to drop Session II classes with a 40% refund.*

April 7

Petition required to add or drop Session II classes. Petition Forms documenting extenuating circumstances are available at Continuing Education.

April 29-May 3

Last day of classes and final exams for Session II.

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

Classes by Start Date

FULL TERM

Monday Courses start January 26 and end May 3

Course No. & Hours	Sec	Call #	Times	Course Title	Core
✓ ASTR 1120-3	300	30138	6-9 p.m.	General Astronomy: Stars and Galaxies	natural science
✓ BCOR 2150-3	300	30144	6-9 p.m.	Adding Value with Management	Business Core
✓ ECON 1078-3	300	30148	6-9 p.m.	Mathematical Tools for Economists 1	quantitative reasoning and mathematical skills
✓ ENGL 1191-3	300	30152	5:30-8:30 p.m.	Introduction to Creative Writing	none
✓ HIST 1025-3	300	30174	6-9 p.m.	History of the United States since 1865	United States context
✓ HIST 1608-3	300	30175	5:30-8:30 p.m.	Introduction to Chinese History	historical context
✓ HIST 2866-3	300	30179	6:30-9:30 p.m.	American History and Film	United States context
✓ JOUR 4874-3	300	30184	6:30-9:30 p.m.	Special Topics: Scriptwriting for the Entertainment Industry	none
✓ LING 1000-3	300	30314	6-9 p.m.	Language in U.S. Society	United States context or contemporary societies
✓ MATH 1011-3	300	30187	6-9 p.m.	Fundamentals and Techniques of College Algebra	quantitative reasoning and mathematical skills
✓ PHIL 1000-3	300	30188	6-9 p.m.	Introduction to Philosophy	ideals and values
✓ QRMS 1010-3	300	30196	6-9 p.m.	Quantitative Reasoning and Mathematical Skills	quantitative reasoning and mathematical skills
✓ SOCY 1006-3	300	30200	6-9 p.m.	The Social Construction of Sexuality	cultural and gender diversity
✓ THTR 1009-3	301	30311	6-9 p.m.	Introduction to Theatre	literature and the arts

Monday and Wednesday Courses start January 21 and end May 3

ARAB 1010-5	300	30137	5:40-8:10 p.m.	Beginning Arabic 1	foreign language
✓ FINE 1171-3	300	30163	6:30-9 p.m.	Photography 1	none
✓ SPAN 1020-5	302	30207	6-8:30 p.m.	Beginning Spanish 2	foreign language

Monday, Wednesday, and Friday Course starts January 21 and ends May 3

✓ HEBR 1020-5	300	30172	11 a.m.-1 p.m.	Beginning Hebrew 2	foreign language
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Tuesday Courses start January 20 and end April 27

✓ ANTH 2020-3	300	30135	6:30-9:30 p.m.	Introduction to Physical Anthropology 2	natural science
✓ COMM 2400-3	300	30147	6:30-9:30 p.m.	Communication and Society	contemporary societies
✓ ECON 1088-3	300	30149	6-9 p.m.	Mathematical Tools for Economists 2	none
✓ ENGL 3000-3	300	30156	5:30-8:30 p.m.	Shakespeare for Nonmajors	literature and the arts
✓ ENGL 3377-3	300	30211	6-9 p.m.	Topics in Multicultural Literature	none
✓ EPOB 1220-3	300	30159	6-9 p.m.	General Biology 2	natural science
✓ GEOG 4742-3	300	30171	5:30-8:30 p.m.	Environments and Peoples	critical thinking
✓ HIST 1020-3	300	30173	6-9 p.m.	Western Civilization 2: 16th Century to the Present	historical context
✓ HIST 2227-3	300	30177	6:30-9:30 p.m.	History of the American Southwest	United States context
✓ PSCI 1101-3	300	30190	6-9 p.m.	The American Political System	contemporary societies or United States context
✓ PSCI 2223-3	300	30192	5:30-8:30 p.m.	Introduction to International Relations	contemporary societies
✓ SPAN 2110-3	300	30208	6-9 p.m.	Second-Year Spanish 1	foreign language
✓ THTR 1003-3	300	30212	6-9 p.m.	Beginning Acting	none

Tuesday and Thursday Courses start January 20 and end April 29

✓ BCOR 2000-4	300	30142	6:30-8:30 p.m.	Accounting and Financial Analysis 1	Business Core
✓ FINE 1012-3	300	30162	6:30-9:30 p.m.	Drawing 1	none
✓ FINE 1212-3	300	30164	6:45-9:45 p.m.	Painting 1	none
✓ SLHS 2305-4	300	30197	6-8 p.m.	American Sign Language 1	foreign language
✓ SPAN 1010-5	300	30205	6-8:30 p.m.	Beginning Spanish 1	foreign language
✓ SPAN 1020-5	301	30206	6:15-8:45 p.m.	Beginning Spanish 2	foreign language
✓ WRTG 3020-3	301	30210	5:30-7 p.m.	Topics in Writing: Cultural Issues	written communication
✓ WRTG 3020-3	302	30230	5:30-7 p.m.	Topics in Writing: Biomedical Ethics	written communication
✓ WRTG 3030-3	300	30231	5:30-7 p.m.	Writing on Science and Society	written communication

Boulder Evening
Plan Code B due 5-3-04

Wednesday Courses start January 21 and end April 28

Course No. & Hours	Sec	Call #	Times	Course Title	Core
✓ ATOC 1070-1	300	30141	6-8 p.m.	Weather and the Atmosphere Laboratory	natural science
✓ BCOR 2050-3	300	30143	6-9 p.m.	Fundamentals of Marketing	Business Core
✓ COMM 1300-3	300	30146	6-9 p.m.	Public Speaking	none
✓ ECON 2010-4	300	30150	6-9 p.m.	Principles of Microeconomics	contemporary societies
✓ ECON 2020-4	300	30151	6-9 p.m.	Principles of Macroeconomics	contemporary societies
✓ ENGL 3060-3	300	30158	5:30-8:30 p.m.	Modern and Contemporary Literature	literature and the arts
✓ FILM 3501-3	300	30160	7-10 p.m.	Film Production Management	none
✓ FINE 1400-3	300	30165	6:30-9:30 p.m.	History of World Art 2	literature and the arts
✓ GEOG 3251-3	300	30170	6-9 p.m.	Mountain Geography	none
✓ HIST 2326-3	300	30178	6-9 p.m.	Issues in American Thought and Culture	United States context
✓ JOUR 4453-3	300	30183	7-10 p.m.	Advertising and Society	none
✓ PHIL 1100-3	300	30189	6:30-9:30 p.m.	Ethics	ideals and values
✓ PSYC 1001-3	300	30194	6:30-9:30 p.m.	General Psychology	none

Thursday Courses start January 22 and end April 29

Plan Code C due 5-4-04

✓ ANTH 1180-3	300	30315	6-9 p.m.	Maritime People: Fishers and Seafarers <i>Case</i>	historical context
✓ ANTH 3000-3	300	30136	6:30-9:30 p.m.	Primate Behavior	natural science
✓ COMM 1210-3	300	30310	6:30-9:30 p.m.	Perspectives on Human Communication	contemporary societies
✓ HIST 2123-3	300	30176	6:30-9:30 p.m.	The History of England, 1660 to Present	historical context
✓ HIST 4133-3	300	30180	6-9 p.m.	Tudor and Stuart England	none
✓ KAPH 3420-3	300	30186	6-9 p.m.	Nutrition, Health, and Performance	natural science
✓ PSCI 2004-3	300	30191	6-9 p.m.	Survey of Western Political Thought	ideals and values
✓ SOCY 4024-3	300	30204	6-9 p.m.	Juvenile Delinquency	contemporary societies
✓ THTR 1009-3	302	30312	6:30-9:30 p.m.	Introduction to Theatre	literature and the arts

SESSION I

Monday and Wednesday Courses start January 21 and end March 8

due 5-11-04

✓ ENGL 1600-3	100	30154	6-9 p.m.	Masterpieces of American Literature	literature and the arts
✓ GEOG 1982-3	100	30168	6-9 p.m.	World Regional Geography	none
KAPH 3420-3	100	30185	6-9 p.m.	Nutrition, Health, and Performance	natural science
✓ PSCI 4734-3	100	30193	6-9 p.m.	Politics and Literature	critical thinking

Tuesday and Thursday Courses start January 20 and end March 4

✓ ATOC 1050-3	100	30139	6-9 p.m.	Weather and the Atmosphere	natural science
✓ FILM 3563-3	100	30161	7-10 p.m.	Producing the Feature Film	none
✓ GEOG 1001-4	100	30166	6-9 p.m.	Environmental Systems 1 - Climate and Vegetation	natural science
✓ JOUR 1002-3	100	30182	6-9 p.m.	Critical Thinking and Writing	none
✓ SOCY 1015-3	100	30201	6-9 p.m.	U.S. Race and Ethnic Relations	United States context

SESSION II

Monday and Wednesday Courses start March 10 and end May 3

Plan Code D due 5-6-04

✓ COMM 1210-3	200	30145	6:30-9:30 p.m.	Perspectives on Human Communication	contemporary societies
✓ ENGL 1500-3	200	30153	6-9 p.m.	Masterpieces of British Literature	literature and the arts
✓ ENGL 3060-3	200	30157	6-9 p.m.	Modern and Contemporary Literature	literature and the arts
✓ GEOG 1992-3	200	30169	6-9 p.m.	Human Geographies	none
✓ SOCY 1001-3	200	30198	6-9 p.m.	Introduction to Sociology	contemporary societies

Tuesday and Thursday Courses start March 9 and end April 29

Plan Code E due 5-10-04

✓ ATOC 1060-3	200	30140	6-9 p.m.	Our Changing Environment: El Nino, Ozone, and Climate	natural science
✓ GEOG 1011-4	200	30167	6-9 p.m.	Environmental Systems 2 - Landscapes and Water	natural science
✓ JOUR 1001-3	200	30181	6-9 p.m.	Contemporary Mass Media	none
✓ SOCY 1016-3	200	30202	6-9 p.m.	Sex, Gender, and Society 1	cultural and gender diversity
✓ SOCY 3151-3	200	30203	6-9 p.m.	Self in Modern Society	United States context or ideals and values

ANTHROPOLOGY

Maritime People: Fishers and Seafarers

ANTH 1180

3 SEMESTER HOURS

Explores important milestones in the development of human societies and cultures that live from the sea. Emphasizes the evolution of maritime adaptations associated with fishing and seafaring from more than 10,000 years ago through the present. Approved for arts and sciences core curriculum: historical context.

Mark Calamia, PhD

Full Term - Section 300: Call No. 30315
Thursdays, 6-9 p.m. Guggenheim 205.
\$465 (resident).

Introduction to Physical Anthropology 2

ANTH 2020

3 SEMESTER HOURS

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

Sue Woods, PhD

Full Term - Section 300: Call No. 30135
Tuesdays, 6:30-9:30 p.m. Economics 13.
\$465 (resident).

Primate Behavior

ANTH 3000

3 SEMESTER HOURS

Surveys naturalistic primate behavior. Social behavior, behavioral ecology, and evolution are emphasized as they lead to an understanding of human behavior. Prereq., ANTH 2010 and 2020, or EPOB 1210 and 1220, and junior standing. Approved for arts and sciences core curriculum: natural science.

Sue Woods, PhD

Full Term - Section 300: Call No. 30136
Thursdays, 6:30-9:30 p.m. Hale 240.
\$465 (resident).

ARABIC

Beginning Arabic 1

ARAB 1010

5 SEMESTER HOURS

This is the first semester of the first year of Arabic and includes beginning grammar and conversation. Approved for arts and sciences core curriculum: foreign language.

Nadia Turk, PhD

Full Term - Section 300: Call No. 30137
Mondays and Wednesdays, 5:40-8:10 p.m.
Hellems 237. \$795 (resident).

ART AND ART HISTORY

Drawing 1

FINE 1012

3 SEMESTER HOURS

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

Tyler Alpern, MFA

Full Term - Section 300: Call No. 30162
Tuesdays and Thursdays, 6:30-9:30 p.m.
Fine Arts N298. \$515 (resident).

Photography 1

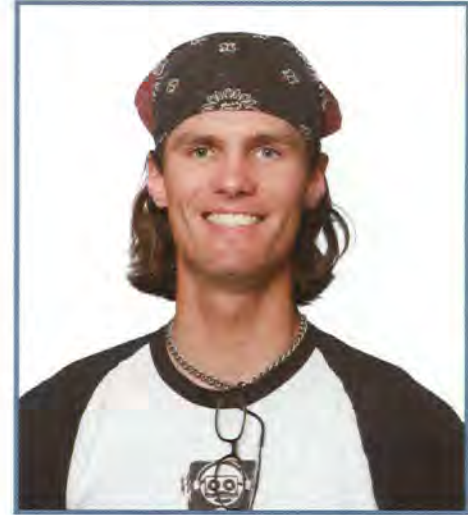
FINE 1171

3 SEMESTER HOURS

This course introduces techniques and concepts of photography as art and emphasizes photography as a means to formal and expressive ends. Students will master the technical aspects of black and white photography including the functions of the SLR camera, the enlarger, and the chemical process of developing and printing black and white negatives. Students must have full access to a working 35mm manual camera with a built in working light meter.

Greg Massey, MFA

Full Term - Section 300: Call No. 30163
Mondays and Wednesdays, 6:30-9 p.m.
Fine Arts N185. \$515 (resident).



Nadia Turk's Arabic class was astronomy major Alan Rex's first Continuing Education course. It appealed to him because he's interested in languages and visiting the Middle East. He was very impressed by Nadia - she was "demanding, but she would take you as far as you wanted to go." After taking the class, he wants to go to the Middle East more than ever, and has more confidence to take the trip.

Painting 1

FINE 1212

3 SEMESTER HOURS

Explores varied painting techniques. Introduces concepts relevant to the understanding of painting and the creative process. Recommended for BFA majors instead of FINE 1202. May not be repeated.

Susanna Cavalletti, MFA

Full Term - Section 300: Call No. 30164
Tuesdays and Thursdays, 6:45-9:45 p.m.
Fine Arts N103. \$515 (resident).

(Art and Art History continued)

Political science major Ingrid Timboe is glad she took several semesters of Nadia Turk's Arabic language class. "There's a lot of one-on-one attention, the teacher is great, and the students are motivated. Arabic is such an important language, I'm glad the Continuing Education program offers it." Ingrid also learned a great deal about the culture of the region, and has discovered she wants to visit Egypt and Lebanon to further her education with some real hands-on experience.

History of World Art 2 FINE 1400

3 SEMESTER HOURS

Surveys major art styles from 1600 to the present including European, Asian, Islamic, the American, and tribal arts. Emphasizes comparison of Western and non-Western visual expressions as evidence of differing cultural orientations. Students may not receive credit for both FINE 1400 and FINE 1209. Approved for arts and sciences core curriculum: literature and the arts.

Christine Dupont-Patz, MA

Full Term - Section 300: Call No. 30165
Wednesdays, 6:30-9:30 p.m. Hale 230.
\$515 (resident).

ASTROPHYSICAL AND PLANETARY SCIENCES

General Astronomy: Stars and Galaxies ASTR 1120

3 SEMESTER HOURS

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

Joe Romig, PhD

Full Term - Section 300: Call No. 30138
Mondays, 6-9 p.m. Hale 270. \$465 (resident).

ATMOSPHERIC AND OCEANIC SCIENCES

Weather and the Atmosphere ATOC 1050

3 SEMESTER HOURS

Introduces principles of modern meteorology for nonscience majors, with emphasis on scientific and human issues associated with severe weather events. Includes description, methods of prediction, and impacts of blizzards, hurricanes, thunderstorms, tornadoes, lightning, floods, and firestorms. Approved for arts and sciences core curriculum: natural science.

Betsy Forrest, PhD

Session I - Section 100: Call No. 30139
Tuesdays and Thursdays, 6-9 p.m.
Muenzinger E123. \$486 (resident).

Our Changing Environment: El Nino, Ozone, and Climate ATOC 1060

3 SEMESTER HOURS

Discusses the Earth's climate for nonscience majors, focusing on the role of the atmosphere, oceans, and land surface. Describes the water cycle, atmospheric circulations, and ocean currents, and how they influence global climate, El Nino, and the ozone hole. Discusses human impacts from climate change. Prereq., ATOC 1050. Approved for arts and sciences core curriculum: natural science.

Betsy Forrest, PhD

Session II - Section 200: Call No. 30140
Tuesdays and Thursdays, 6-9 p.m.
Ketchum 234. \$486 (resident).

Weather and the Atmosphere Laboratory ATOC 1070

1 SEMESTER HOUR

Optional laboratory for ATOC 1050. Laboratory experiments illustrate fundamentals of meteorology. Covers collection, analysis, and discussion of data related to local weather. Uses computers for retrieval and interpretation of weather data from Colorado and across the U.S. Prereq. or coreq., ATOC 1050. Approved for arts and sciences core curriculum: natural science.

Betsy Forrest, PhD

Full Term - Section 300: Call No. 30141
Wednesdays, 6-8 p.m. Stadium 136.
\$155 (resident).

BIOLOGY

(See Ecology and Evolutionary Biology)

BUSINESS CORE

Accounting and Financial Analysis 1 BCOR 2000

4 SEMESTER HOURS

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

Sungwook Yoon, MS, MBA

Full Term - Section 300: Call No. 30142
Tuesdays and Thursdays, 6:30-8:30 p.m.
Business 124. \$620 (resident).

Fundamentals of Marketing BCOR 2050

3 SEMESTER HOURS

Examines how activities in organizations provide value to the purchasers of its products and services. Includes gathering information about consumers and competitors through research and information systems, applying knowledge and technology to the design of products and services, communicating information to consumers and organizational units, and pricing and distributing products and services. Also includes issues in global marketing, ethics and diversity, relationship marketing, and integrating marketing with financial analyses. This course is a core requirement for all Business majors. Prereq., ECON 2010 or 2020, or any college level economics course.

Lizbeth Hafer, MS

Full Term - Section 300: Call No. 30143
Wednesdays, 6-9 p.m. Business 353.
\$465 (resident).

Adding Value with Management BCOR 2150

3 SEMESTER HOURS

Focuses on how modern business firms compete in the global marketplace by adding value. Examines the value-chain of a firm and how firms use people, organizations, operations, and information systems to compete and win in world markets. Also covers contemporary issues such as total quality management, process reengineering, teams and team building, employee empowerment, and horizontal organizations.

Lizbeth Hafer, MS

Full Term - Section 300: Call No. 30144
Mondays, 6-9 p.m. Business 136.
\$465 (resident).

COMMUNICATION

Perspectives on Human Communication COMM 1210

3 SEMESTER HOURS

Surveys communication in a variety of contexts and applications. Topics include basic concepts and general models of communication, ethics, language and nonverbal communication, personal relationships, group decision making, organizational communication, and impact of technological developments on communication. Required for majors. Meets MAPS requirement for social science: general. Approved for arts and sciences core curriculum: contemporary societies.

Joel Guenther, MA

Full Term - Section 300: Call No. 30310
Thursdays, 6:30-9:30 p.m. Clare Small 208.
\$465 (resident).

Session II - Section 200: Call No. 30145
Mondays and Wednesdays, 6:30-9:30 p.m.
Humanities 1B90. \$465 (resident).

Public Speaking COMM 1300

3 SEMESTER HOURS

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

David Steiner, PhD

Full Term - Section 300: Call No. 30146
Wednesdays, 6-9 p.m. Humanities 1B70.
\$465 (resident).

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, MA

Full Term - Section 300: Call No. 30147
Tuesdays, 6:30-9:30 p.m. Humanities 1B90.
\$465 (resident).

ECOLOGY AND EVOLUTIONARY BIOLOGY

General Biology 2 EPOB 1220

3 SEMESTER HOURS

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

Beth Bennett, PhD

Full Term - Section 300: Call No. 30159
Tuesdays, 6-9 p.m. Humanities 1B80.
\$465 (resident).

ECONOMICS

Mathematical Tools for Economists 1 ECON 1078

3 SEMESTER HOURS

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

William Mertens, PhD

Full Term - Section 300: Call No. 30148
Mondays, 6-9 p.m. Economics 119.
\$465 (resident).

Mathematical Tools for Economists 2 ECON 1088

3 SEMESTER HOURS

Continuation of ECON 1078. Teaches mathematical skills for use in economics. Topics include derivatives, optimization, and integration. Illustrates skills with computer assignments and "real world" problems. Similar to MATH 1080, 1090, and 1100. Can be used to meet Business math requirement. Prereq., ECON 1078 or instructor consent.

William Mertens, PhD

Full Term - Section 300: Call No. 30149
Tuesdays, 6-9 p.m. Economics 119.
\$465 (resident).

*(Economics continued)***Principles of Microeconomics
ECON 2010**

4 SEMESTER HOURS

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

William Mertens, PhD

Full Term - Section 300: Call No. 30150
Wednesdays, 6-9 p.m. Economics 119.
\$620 (resident).

**Principles of Macroeconomics
ECON 2020**

4 SEMESTER HOURS

Provides an overview of the economy, examining the flows of resources and outputs, and the factors determining the levels of income and prices. Explores policy problems of inflation, unemployment, and economic growth. Students may not receive credit for ECON 2020 if they have received credit for ECON 1000 or 1001. Similar to ECON 1000, and 1001. Meets MAPS requirement for social science: general. Prereq., ECON 2010. This section requires World Wide Web access for the online recitation. Approved for arts and sciences core curriculum: contemporary societies.

Rachael Small, MBA

Full Term - Section 300: Call No. 30151
Wednesdays, 6-9 p.m. Economics 13.
\$620 (resident).

ENGLISH**Introduction to Creative Writing
ENGL 1191**

3 SEMESTER HOURS

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

George Moore, PhD

Full Term - Section 300: Call No. 30152
Mondays, 5:30-8:30 p.m. Hellems 259.
\$465 (resident).

**Masterpieces of British Literature
ENGL 1500**

3 SEMESTER HOURS

Introduces students to a range of major works of British literature through classroom discussions, viewing of movie adaptations, and written assignments (with opportunities for revision). Works will include at least one play by Shakespeare, a pre-twentieth-century English novel, and works by Chaucer, Johnathan Swift, T.S. Eliot, and James Joyce. Approved for arts and sciences core curriculum: literature and the arts.

Patricia Thompson, MA

Session II - Section 200: Call No. 30153
Mondays and Wednesdays, 6-9 p.m.
Hellems 255. \$465 (resident).

**Masterpieces of
American Literature
ENGL 1600**

3 SEMESTER HOURS

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

Patricia Thompson, MA

Session I - Section 100: Call No. 30154
Mondays and Wednesdays, 6-9 p.m.
Humanities 1B90. \$465 (resident).

**Shakespeare for Nonmajors
ENGL 3000**

3 SEMESTER HOURS

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

George Moore, PhD

Full Term - Section 300: Call No. 30156
Tuesdays, 5:30-8:30 p.m. Hellems 199.
\$465 (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, PhD

Full Term - Section 300: Call No. 30158
Wednesdays, 5:30-8:30 p.m. Hellems 137.
\$465 (resident).

James McVey, PhD

Session II - Section 200: Call No. 30157
Mondays and Wednesdays, 6-9 p.m.
Muenzinger E123. \$465 (resident).

**Topics in Multicultural Literature
ENGL 3377**

3 SEMESTER HOURS

Studies special topics in multicultural literature; specially designed for English majors. Topics vary each semester. May be repeated for a total of 6 credit hours for different topics. Prereq., sophomore standing.

James McVey, PhD

Full Term - Section 300: Call No. 30211
Tuesdays, 6-9 p.m. Hellems 141.
\$465 (resident).

FILM STUDIES**Producing the Feature Film
FILM 3563**

3 SEMESTER HOURS

Designed to give students a behind-the-scenes look at the way production in the entertainment industry is structured and works, this course emphasizes the critical role the script plays in the production process. Students analyze story structure and components and production values of various feature scripts. The course will also focus on the roles, functions, and relationships of writer, producer, director, and editor; the budget process; and all phases in the production process. Screenings in conjunction with script analysis will be featured. This course is designed to lead students into FILM 3501 which has a more hands-on approach to production. FILM 3501 or 3563 may be used for partial fulfillment of major requirements.

Frank Iannella, MA

Session I - Section 100: Call No. 30161
Tuesdays and Thursdays, 7-10 p.m.
Humanities 245. \$465 (resident).

Film Production Management FILM 3501

3 SEMESTER HOURS

This course familiarizes students with the principles of film management techniques as well as problem-solving methodologies developed specifically for the film industry. Emphasis will be placed on the technique of production boarding as the central tool in production management as well as budget and contracts information. The course is designed for students with a serious interest in media production as a career. It is not recommended for students looking to fill general electives. FILM 3501 or 3563 may be used for partial fulfillment of major requirements.

Frank Iannella, MA

Full Term - Section 300: Call No. 30160
Wednesdays, 7-10 p.m. Guggenheim 3.
\$465 (resident).

FINE ARTS

(See Art and Art History)

GEOGRAPHY

Environmental Systems 1 - Climate and Vegetation GEOG 1001

4 SEMESTER HOURS

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

Steve Welter, PhD

Session I - Section 100: Call No. 30166
Tuesdays and Thursdays, 6-9 p.m.
Benson Earth Sciences 185. \$620 (resident).

Environmental Systems 2 - Landscapes and Water GEOG 1011

4 SEMESTER HOURS

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

Steve Welter, PhD

Session II - Section 200: Call No. 30167
Tuesdays and Thursdays, 6-9 p.m.
Benson Earth Sciences 185. \$620 (resident).

World Regional Geography GEOG 1982

3 SEMESTER HOURS

Involves an intellectual journey around the globe, stopping at major regions to study the people, their environments, and how they interact. Topics include the political/economic tensions in changing Europe, conflicts in Brazilian rain forests, transitions facing African peoples, and rapid changes in China. Meets MAPS requirement for social science: geography.

Cristine Milton, MA

Session I - Section 100: Call No. 30168
Mondays and Wednesdays, 6-9 p.m.
Guggenheim 205. \$465 (resident).

Human Geographies GEOG 1992

3 SEMESTER HOURS

Examines social, political, economic, and cultural processes creating the geographical worlds in which we live, and how these spatial relationships shape our everyday lives. Studies urban growth, geopolitics, agricultural development and change, economic growth and decline, population dynamics, and migration exploring both how these processes work at global scale as well as shape geographies of particular places. Meets MAPS requirement for social science: geography.

Cristine Milton, MA

Session II - Section 200: Call No. 30169
Mondays and Wednesdays, 6-9 p.m.
Guggenheim 206. \$465 (resident).



An international affairs student with her eye on a career in the State Department, Julia Aweida was an enthusiastic pupil in Nadia Turk's Arabic class. "The class was unique, and the students were diverse and participated more than in other classes." She also appreciated learning about Nadia's experiences as a native of Lebanon and her insights into the culture. In fact, Julia liked it so much, she wishes there was a fourth semester!

Mountain Geography GEOG 3251

3 SEMESTER HOURS

Surveys mountain environments and their human use with illustrations from temperate and tropical mountain areas.

Steve Welter, PhD

Full Term - Section 300: Call No. 30170
Wednesdays, 6-9 p.m. Guggenheim 2.
\$465 (resident).

Environments and Peoples GEOG 4742

3 SEMESTER HOURS

Studies the interaction of people and the environment, including human adaptation and modification of environments, cultural interpretation and construction of landscapes, and natural resources and land management. May be taken twice. Topics vary. Restricted to junior and senior students. Approved for arts and sciences core curriculum: critical thinking.

Dylan Clark, PhD

Full Term - Section 300: Call No. 30171
Tuesdays, 5:30-8:30 p.m. Guggenheim 205.
\$465 (resident).



Nadia Turk's Arabic class appealed to international business major Philip Thomas because it is the sixth most popular language in the world, and a great deal of commerce goes through the Middle East. Beyond the business aspects, he was surprised by how simple the grammar was, and he also had a lot of fun. "Nadia has a true passion for the subject, and students really wanted to be there, making it a great place to learn."

HEBREW

Beginning Hebrew 2 HEBR 1020

5 SEMESTER HOURS

This is the second semester of beginning Hebrew. Prereq., HEBR 1010. Approved for arts and sciences core curriculum: foreign language.

Uri Neil, JD

Full Term - Section 300: Call No. 30172
Mondays, Wednesdays, and Fridays,
11 a.m.-1 p.m. Continuing Education 140.
\$775 (resident).

HISTORY

Western Civilization 2: 16th Century to the Present HIST 1020

3 SEMESTER HOURS

Surveys political, economic, social, and intellectual developments in European history from the 16th century to the present. Similarities and contrasts between European states are underscored, as is Europe's changing role in world history. Approved for arts and sciences core curriculum: historical context.

Richard Smith, PhD

Full Term - Section 300: Call No. 30173
Tuesdays, 6-9 p.m. Duane Physics G131.
\$465 (resident).

History of the United States since 1865 HIST 1025

3 SEMESTER HOURS

Surveys social, economic, political, and cultural development of the United States from the close of the American Civil War to the present. Approved for arts and sciences core curriculum: United States context.

Merle Funk, PhD

Full Term - Section 300: Call No. 30174
Mondays, 6-9 p.m. Engineering Center
CR 150. \$465 (resident).

Introduction to Chinese History HIST 1608

3 SEMESTER HOURS

Introduces student to Chinese civilization and to its historical evolution, from Neolithic period to present. Focuses on social patterns, economic structure, intellectual trends, and political developments. Approved for arts and sciences core curriculum: historical context.

Marco De Martino, MA

Full Term - Section 300: Call No. 30175
Mondays, 5:30-8:30 p.m. Hellems 211.
\$465 (resident).

The History of England, 1660 to Present HIST 2123

3 SEMESTER HOURS

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

Jean McGinnis, PhD

Full Term - Section 300: Call No. 30176
Thursdays, 6:30-9:30 p.m. Engineering Center
CR 151. \$465 (resident).

History of the American Southwest HIST 2227

3 SEMESTER HOURS

Covers major observations and criticisms central in shaping the history of the southwest. Restricted to non-history majors. Does not fulfill major requirements. Approved for arts and sciences core curriculum: United States context.

James Fell, PhD

Full Term - Section 300: Call No. 30177
Tuesdays, 6:30-9:30 p.m. Hellems 267.
\$465 (resident).

Issues in American Thought and Culture HIST 2326

3 SEMESTER HOURS

Examines the origins, development, and impacts (social, political, cultural, etc.) of significant ideas and themes in the history of American thought. Topics may include Darwinism, technology, race, success and failure, the social gospel, national mission, and utopia. Does not fulfill major requirements. Approved for arts and sciences core curriculum: United States context.

Merle Funk, PhD

Full Term - Section 300: Call No. 30178
Wednesdays, 6-9 p.m. Clare Small 104.
\$465 (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, PhD

Full Term - Section 300: Call No. 30179
Mondays, 6:30-9:30 p.m. Economics 117.
\$465 (resident).

Tudor and Stuart England**HIST 4133**

3 SEMESTER HOURS

Deals with the history of England from 1485 to 1714. Examines the principal, social, political, religious, and cultural development under the Tudor and Stuart dynasties. Prereq., HIST 1010 or 1113.

Richard Smith, PhD

Full Term - Section 300: Call No. 30180
Thursdays, 6-9 p.m. Muenzinger E113.
\$465 (resident).

**INTEGRATIVE
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.

Luke Seaward, PhD

Session I - Section 100: Call No. 30185
Mondays and Wednesdays, 6-9 p.m.
Duane Physics G131. \$465 (resident).

Nanci Grayson, MS, RD, CDE

Full Term - Section 300: Call No. 30186
Thursdays, 6-9 p.m. Hellems 252.
\$465 (resident).

JOURNALISM**Contemporary Mass Media****JOUR 1001**

3 SEMESTER HOURS

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

Jan Whitt, PhD

Session II - Section 200: Call No. 30181
Tuesdays and Thursdays, 6-9 p.m.
Education 220. \$465 (resident).

Critical Thinking and Writing**JOUR 1002**

3 SEMESTER HOURS

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

Jan Whitt, PhD

Session I - Section 100: Call No. 30182
Tuesdays and Thursdays, 6-9 p.m.
Education 220. \$465 (resident).

Advertising and Society**JOUR 4453**

3 SEMESTER HOURS

This course will examine the criticisms and contributions of advertising in society and the economy. Same as JOUR 5453.

Richard Goode-Allen, MA

Full Term - Section 300: Call No. 30183
Wednesdays, 7-10 p.m. Education 138.
\$465 (resident).

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

3 SEMESTER HOURS

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

Frank Iannella, MA

Full Term - Section 300: Call No. 30184
Mondays, 6:30-9:30 p.m. Humanities 125.
\$465 (resident).

**KINESIOLOGY AND
APPLIED PHYSIOLOGY**

(See Integrative Physiology)

LINGUISTICS**Language in U.S. Society****LING 1000**

3 SEMESTER HOURS

Nontechnical exploration of the ways that language is used in America. Emphasizes language as a social institution and how values and goals of both public institutions and private groups shape and are shaped by language and its use. Meets MAPS requirement for social science: general. Approved for arts and sciences core curriculum: United States context or contemporary societies.

Adam Hodges, MA

Full Term - Section 300: Call No. 30314
Mondays, 6-9 p.m. Museum Collections E155.
\$465 (resident).

MATHEMATICS**Fundamentals and Techniques of College Algebra
MATH 1011**

3 SEMESTER HOURS

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

Brent Pohlmann, MA

Full Term - Section 300: Call No. 30187
Mondays, 6-9 p.m. Engineering Center CR 151.
\$465 (resident).

PHILOSOPHY**Introduction to Philosophy
PHIL 1000**

3 SEMESTER HOURS

Introduces fundamental topics of philosophy, e.g., knowledge, truth, universals, self, the mind-body problem, time, God, and value. Approved for arts and sciences core curriculum: ideals and values.

Ben Mablberg, PhD

Full Term - Section 300: Call No. 30188
Mondays, 6-9 p.m. Economics 13.
\$465 (resident).

**Ethics
PHIL 1100**

3 SEMESTER HOURS

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

Lee Speer, MA

Full Term - Section 300: Call No. 30189
Wednesdays, 6:30-9:30 p.m. Economics 2.
\$465 (resident).

POLITICAL SCIENCE**The American Political System
PSCI 1101**

3 SEMESTER HOURS

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

Vincent McGuire, PhD

Full Term - Section 300: Call No. 30190
Tuesdays, 6-9 p.m. Ketchum 301.
\$465 (resident).

**Survey of Western Political Thought
PSCI 2004**

3 SEMESTER HOURS

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

Vincent McGuire, PhD

Full Term - Section 300: Call No. 30191
Thursdays, 6-9 p.m. Ketchum 235.
\$465 (resident).

**Introduction to International Relations
PSCI 2223**

3 SEMESTER HOURS

Introduces the field of international relations, with general survey of the theories, histories, and problems of historical and contemporary relations among state and nonstate actors. Students will discuss current issues and conflicts in world politics. Approved for arts and sciences core curriculum: contemporary societies.

Michael Kanner, PhD

Full Term - Section 300: Call No. 30192
Tuesdays, 5:30-8:30 p.m. Ketchum 235.
\$465 (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, PhD

Session I - Section 100: Call No. 30193
Mondays and Wednesdays, 6-9 p.m.
Ketchum 235. \$465 (resident).

PSYCHOLOGY**General Psychology
PSYC 1001**

3 SEMESTER HOURS

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

Michael Freedman, PhD

Full Term - Section 300: Call No. 30194
Wednesdays, 6:30-9:30 p.m. Muenzinger E131.
\$465 (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.

Kevin Manley, MA

Full Term - Section 300: Call No. 30196
Mondays, 6-9 p.m. Engineering Center CR 1B55. \$465 (resident).

SOCIOLOGY**Introduction to Sociology
SOCY 1001**

3 SEMESTER HOURS

Examines basic sociological ideas including social relations, social interaction, social structure, and social change. Examples are drawn from societies around the world. Meets MAPS requirement for social science: general. Approved for arts and sciences core curriculum: contemporary societies.

Instructor: TBA

Session II - Section 200: Call No. 30198
Mondays and Wednesdays, 6-9 p.m.
Environmental Design 120. \$465 (resident).

The Social Construction of Sexuality

SOCY 1006

3 SEMESTER HOURS

Discusses the social determinants of sexuality. Analyzes the economic, psychological, and cultural influences on human sexuality. Interactional perspective of human sexuality is presented. Same as WMST 1006. Approved for arts and sciences core curriculum: cultural and gender diversity.

Instructor: TBA

Full Term - Section 300: Call No. 30200
Mondays, 6-9 p.m. Hale 230. \$465 (resident).

U.S. Race and Ethnic Relations

SOCY 1015

3 SEMESTER HOURS

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

Erin Trapp, MA

Session I - Section 100: Call No. 30201
Tuesdays and Thursdays, 6-9 p.m.
Ramaley Biology N1B23. \$465 (resident).

Sex, Gender, and Society 1

SOCY 1016

3 SEMESTER HOURS

Examines status and power differences between the sexes at individual and societal levels. Emphasizes historical context of gender roles and status, and reviews major theories of gender stratification. Same as WMST 1016. Approved for arts and sciences core curriculum: cultural and gender diversity.

Instructor: TBA

Session II - Section 200: Call No. 30202
Tuesdays and Thursdays, 6-9 p.m.
Clare Small 211. \$465 (resident).

Self in Modern Society

SOCY 3151

3 SEMESTER HOURS

Using a variety of Eastern and Western perspectives, this course 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. Prereq., SOCY 1001 and SOCY 2001, 3001, or 3011. Approved for arts and sciences core curriculum: United States context or ideals and values.

Instructor: TBA

Session II - Section 200: Call No. 30203
Tuesdays and Thursdays, 6-9 p.m.
Ramaley Biology N1B23. \$465 (resident).

Juvenile Delinquency

SOCY 4024

3 SEMESTER HOURS

Examines the history, incidence, and prevalence of delinquent behavior, as well as theoretical explanations regarding why children become involved in criminal activity. Prereq., SOCY 1001 or 1004. Approved for arts and sciences core curriculum: contemporary societies.

Herbert Covey, PhD

Full Term - Section 300: Call No. 30204
Thursdays, 6-9 p.m. Hellems 267.
\$465 (resident).

SPANISH

Beginning Spanish 1

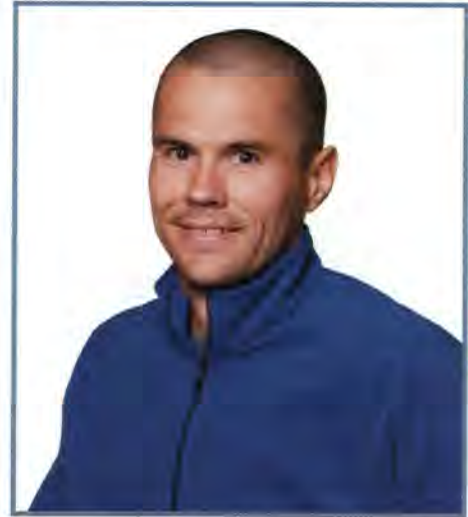
SPAN 1010

5 SEMESTER HOURS

Offers students a firm command of Spanish grammar. Grammar is used as a point of departure for development of oral skills. Reading and writing are stressed to a lesser degree. Attendance at the language laboratory may be mandatory. Similar to SPAN 1150. Approved for arts and sciences core curriculum: foreign language.

Cassandra Cleavinger, MA

Full Term - Section 300: Call No. 30205
Tuesdays and Thursdays, 6-8:30 p.m.
Hellems 193. \$795 (resident).



"Awesome!" was how Ryan Canning described Nadia Turk's Arabic language class. He was "looking for an intellectual challenge," and took a language because it's "a good way to get a better understanding of another culture." It was his first Continuing Education class, and he liked the experience so much he's going to follow up with another, this time in fine arts.

Beginning Spanish 2

SPAN 1020

5 SEMESTER HOURS

This course is the second semester of beginning Spanish and is a continuation of SPAN 1010. Attendance at the language laboratory may be mandatory. Prereq., SPAN 1010 or placement. Approved for arts and sciences core curriculum: foreign language.

Wendy Mendez, MA

Full Term - Section 301: Call No. 30206
Tuesdays and Thursdays, 6:15-8:45 p.m.
Hellems 185. \$795 (resident).

Javier Garces, BA

Full Term - Section 302: Call No. 30207
Mondays and Wednesdays, 6-8:30 p.m.
Humanities 186. \$795 (resident).

*(Spanish continued)***Second-Year Spanish 1
SPAN 2110**

3 SEMESTER HOURS

Grammar review. Emphasizes reading, writing, and speaking skills. Attendance at the language laboratory may be mandatory. Similar to SPAN 2150. Prereq., SPAN 1020 or 1150 with a grade of C- or better, or placement. Approved for arts and sciences core curriculum: foreign language.

Javier Garces, BA

Full Term - Section 300: Call No. 30208
Tuesdays, 6-9 p.m. Hellems 181.
\$485 (resident).

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

4 SEMESTER HOURS

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

Willard Moers, MA

Full Term - Section 300: Call No. 30197
Tuesdays and Thursdays, 6-8 p.m.
Muenzinger E131. \$640 (resident).

THEATRE**Beginning Acting**

THTR 1003

3 SEMESTER HOURS

Teaches the basic principles of acting to non-theatre majors, focusing on relaxation, concentration, improvisation, use of imagination, actions, objectives, initial monologue and scene work, and basic terms and concepts of process work for the actor. In addition to required texts, there is a required reading list.

Andrea Grapko, MA

Full Term - Section 300: Call No. 30212
Tuesdays, 6-9 p.m. Hellems 229.
\$465 (resident).

Introduction to Theatre

THTR 1009

3 SEMESTER HOURS

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

Holly Kerkes, MA

Full Term - Section 301: Call No. 30311
Mondays, 6-9 p.m. Clare Small 209.
\$465 (resident).

Jenna Kubly, MA

Full Term - Section 302: Call No. 30312
Thursdays, 6:30-9:30 p.m. Chemistry 145.
\$465 (resident).

**WRITING
AND RHETORIC****Topics in Writing**

WRTG 3020

3 SEMESTER HOURS

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

Cultural Issues*Anne Bliss, PhD*

Full Term - Section 301: Call No. 30210
Tuesdays and Thursdays, 5:30-7 p.m.
Muenzinger E064. \$465 (resident).

Biomedical Ethics*Donald Wilkerson, MA*

Full Term - Section 302: Call No. 30230
Tuesdays and Thursdays, 5:30-7 p.m.
Muenzinger E118. \$465 (resident).

Writing on Science and Society

WRTG 3030

3 SEMESTER HOURS

Through selected readings and daily writing assignments, students examine ethical and social issues that arise in science and technology. Focusing on critical thinking, analytical and argumentative writing, and oral presentation, the course emphasizes effective communication with nontechnical audiences. Classes are conducted as workshops. Restricted to junior and senior engineering students and junior and senior physical and biological science majors. Approved for arts and sciences core curriculum: written communication.

Donald Wilkerson, MA

Full Term - Section 300: Call No. 30231
Tuesdays and Thursdays, 5:30-7 p.m.
Muenzinger E118. \$465 (resident).

Eligible Boulder Evening and Independent Learning students may register for courses on the Web using Personal Lookup Services (PLUS). To be eligible, your CU student record must be activated for the current semester.

If you have taken courses through Continuing Education during the past 12 months, call us at 303-492-5148 to have your student record activated or "rolled forward".

If you have not attended during the past 12 months you will need to do one of the following to activate your record:

- return the registration form on page 59 to the Division of Continuing Education at 1505 University Avenue or fax to 303-492-3962.
- complete the application on the Web at www.colorado.edu/conted/creditapp.htm.

Once your registration form has been processed, you will receive an Invitation to Register or ITR confirming your eligibility to register using PLUS along with your CU student identification number (SID) and personal identification number (PIN). Your CU SID and PIN are required to log-on to PLUS. Please keep your PIN confidential. Use of web registration (PLUS) obligates you for any tuition charges as a result of adding any course.

You can use PLUS to conduct online course searches. At the PLUS home page choose "Planning Tools" and then Schedule Planner or log-on using your CU SID and PIN and choose Course Status at the bottom of the page. Schedule Planner is updated nightly; Course Status is updated on a real-time basis.

Some 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 an academic advisor.

Register Using PLUS

You can access the PLUS system at www.colorado.edu/plus or through the CU home page, www.colorado.edu, and choose Resources for CU Students.

At the PLUS page, choose the "Registration Log-on" button. Enter your CU student ID number and personal identification number (PIN) and choose submit. At the registration menu, choose the "Register" tab at the bottom of the page. Follow the instructions to add or drop and request pass/fail or no credit. You will need to enter the 5 digit course call numbers to register for courses and click on the "submit" button to process each course request.

Please note that once you register for a course then decide to change to pass/fail or no credit, you should come to our office at 1505 University Avenue and fill out the necessary paperwork. You can also e-mail your request to ceregistration@colorado.edu. If you e-mail your request, be sure to include your CU SID and the course number and title. The only way to change your status online is to drop the course and re-enroll which may result in losing your place in the course.

If a course is closed, you may add your name to a wait list. This does not guarantee that you will be enrolled in the course. If an opening occurs, you will automatically be enrolled in the course. It is important if you choose to wait list for a course that you verify your schedule often to avoid being charged additional tuition and fees, and receiving a grade of "F" for the course.

To verify your course selections, click on the "Schedule" tab at the bottom of the page. If you are taking Boulder Evening courses, your schedule can be adjusted through the dates listed on the academic calendar on page 4.

When you're finished, be sure to exit web registration.

Web registration (PLUS) is normally available Monday-Friday from 7 a.m.-midnight and Sundays from 11 a.m.-midnight (including holidays). It is not available on Saturdays.

If you have any type of registration stop, you will not be allowed to enroll. Please call our registration office at 303-492-5148 for more information on your stop. This information is also available on PLUS at www.colorado.edu/plus. Log-on using your CU student ID number and PIN and choose the "Reg Status" tab (Registration Status) at the bottom of the page.

Account Balances and Tuition Payments

While logged in to PLUS you can find out your account balance by choosing "Next Step", Account Balance", and, if you're ready, pay by credit card. Continuing Education accepts VISA, MasterCard, or Discover. 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 the Continuing Education Center at 1505 University Avenue.

You can also submit payments online from your checking or savings account using the Payment Only Option, an electronic interface with your bank. More information is available at www.colorado.edu/conted/paymentonly.htm.

Additional PLUS Features

With your CU student ID number and PIN you are also able to:

- confirm your degree program information (primary and secondary college, major, residency, GPA, and class standing)
- check your registration status (advising requirements, academic, or financial stops)
- see your class schedule for all current and past terms enrolled, and all future terms for which you have registered
- see required textbooks
- order official transcripts
- print unofficial transcripts
- see your current semester billing and financial aid information
- change your address
- change your PIN
- perform a degree audit (for certain colleges)
- see current and past semester grades

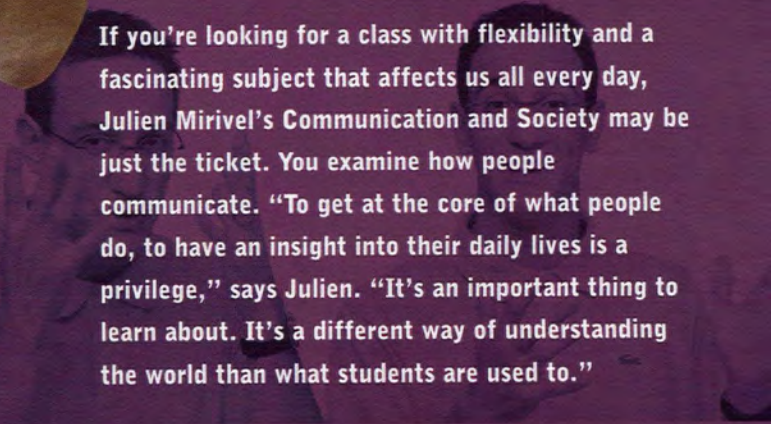
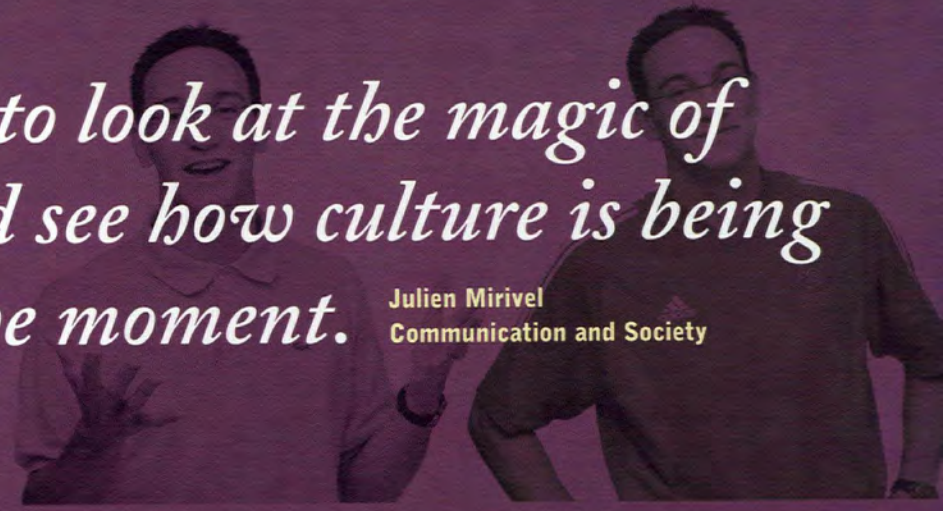


I encourage my students to look at the magic of everyday interaction and see how culture is being produced in the moment.

Julien Mirivel
Communication and Society



If you're looking for a class with flexibility and a fascinating subject that affects us all every day, Julien Mirivel's Communication and Society may be just the ticket. You examine how people communicate. "To get at the core of what people do, to have an insight into their daily lives is a privilege," says Julien. "It's an important thing to learn about. It's a different way of understanding the world than what students are used to."



Independent Learning Programs

INDEPENDENT LEARNING courses put you in control, with choices to make about when you learn and how you learn. Many of our courses are correspondence based, 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 at www.colorado.edu/cewww. For additional information, visit our web site or call 303-492-5148.

Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
ANTHROPOLOGY							
ANTH	1030	650	Principles of Anthropology 1	Kathy Greene, MA	3	30015	\$429
ANTH	1040	650	Principles of Anthropology 2	Kathy Greene, MA	3	30017	\$429
ANTH	2010	650	Introduction to Physical Anthropology 1	Kathy Greene, MA	3	30019	\$429
ANTH	2020	650	Introduction to Physical Anthropology 2	Kathy Greene, MA	3	30021	\$429
ANTH	2070	641	Bones, Bodies, and Disease	Dawn Mulhern, PhD	3	30316	\$429
ANTH	2200	650	Introduction to Archaeology	Kathy Greene, MA	3	30025	\$429
ART AND ART HISTORY							
FINE	1012	650	Drawing 1	Patricia Cheyne, MFA	3	30027	\$429
FINE	3637	650	Art for the Elementary Teacher	Patricia Cheyne, MFA	3	30029	\$429
ASTROPHYSICAL AND PLANETARY SCIENCES							
ASTR	1110	640	General Astronomy: The Solar System	Kelly Cline, MA	3	30031	\$429
COMMUNICATION							
COMM	2400	641	Communication and Society	Julien Mirivel, MA	3	30033	\$429
COMM	3310	581	Principles and Practices of Argumentation	Alex Heintzman, MA	3	30121	\$555
COMM	4600	640	Senior Seminar: Organizational Communication	Brenda J. Allen, PhD	3	30035	\$429
COMPUTER SCIENCE							
CSCI	2830	640	Special Topics in Computer Science	James P. Gately, MT	1	30037	\$143
CSCI	2830	650	Special Topics in Computer Science	James P. Gately, MT	1	30039	\$143

it's up to you...



*** SECTION LEGEND**

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

Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
ECONOMICS							
ECON	2010	640	Principles of Microeconomics	Laura Argys, PhD	4	30041	\$572
ECON	2010	650	Principles of Microeconomics	Laura Argys, PhD	4	30043	\$572
ECON	2020	640	Principles of Macroeconomics	Jay Kaplan, PhD	4	30045	\$572
ECON	2020	650	Principles of Macroeconomics	Laura Argys, PhD	4	30047	\$572
ECON	3403	640	International Economics and Policy	Jay Kaplan, PhD	3	30049	\$429
ECON	4111	640	Money and Banking Systems	Jay Kaplan, PhD	3	30051	\$429
EDUCATION							
EDUC	4161	640	Children's Literature	Phyllis Kennemer, EdD	3	30053	\$429
EDUC	4161	650	Children's Literature	Phyllis Kennemer, EdD	3	30055	\$429
EDUC	4322	650	Teaching Literature in Middle and Secondary Schools	Caroline McKinney, MA	3	30057	\$429
ENGLISH							
ENGL	1191	650	Introduction to Creative Writing	Michael Arvey, MA	3	30059	\$429
ENGL	1260	650	Introduction to Women's Literature	D'Ann Sanko, MA	3	30061	\$429
ENGL	1600	650	Masterpieces of American Literature	D'Ann Sanko, MA	3	30063	\$429
ENGL	2000	581	Literary Analysis	James McVey, PhD	3	30065	\$555
ENGL	2010	581	Introduction to Literary Theory	Todd Pinney, PhD	3	30066	\$555
ENGL	2021	650	Introductory Poetry Workshop	Michael Arvey, MA	3	30067	\$429
ENGL	2717	581	Native American Literature	Karen Auvinen, PhD	3	30317	\$555
ENGL	3000	650	Shakespeare for Nonmajors	Rhonda Sanford, PhD	3	30069	\$429
ENGL	3051	640	Intermediate Fiction Workshop	Todd Pinney, PhD	3	30071	\$429
ENGL	3051	650	Intermediate Fiction Workshop	Todd Pinney, PhD	3	30073	\$429
ENGL	3060	640	Modern and Contemporary Literature	Todd Pinney, PhD	3	30075	\$429
ENGL	3060	650	Modern and Contemporary Literature	Todd Pinney, PhD	3	30077	\$429
ENGL	3081	650	Intermediate Nonfiction Workshop	Todd Pinney, PhD	3	30079	\$429
ENGL	3553	650	Chaucer: The Canterbury Tales	Zelda Rouillard, PhD	3	30081	\$429
ENGL	3563	650	Shakespeare 1	Rhonda Sanford, PhD	3	30083	\$429
ENGL	3573	650	Shakespeare 2	Rhonda Sanford, PhD	3	30085	\$429
ENGL	3655	640	American Literature to 1860	Todd Pinney, PhD	3	30087	\$429
ENGL	3655	650	American Literature to 1860	Todd Pinney, PhD	3	30089	\$429
ENGL	3665	640	American Literature after 1860	Todd Pinney, PhD	3	30091	\$429
ENGL	3665	650	American Literature after 1860	Todd Pinney, PhD	3	30093	\$429
ENGL	4100	650	The English Language	Zelda Rouillard, PhD	3	30095	\$429
ENGL	4245	581	American Novel 2	James McVey, PhD	3	30325	\$555
FINE ARTS (See Art and Art History)							
GEOGRAPHY							
GEOG	1001	650	Environmental Systems 1-Climate and Vegetation	Bronwyn Owen, MA	4	30097	\$572
GEOG	1011	650	Environmental Systems 2-Landscapes and Water	Mark McLean, PhD	4	30099	\$572
GEOG	1992	640	Human Geographies	Leigh Miller, MA	3	30101	\$429
GEOLOGICAL SCIENCES							
GEOL	1010	640	Introduction to Geology 1	Melissa Lester, MS	3	30103	\$429
GEOL	1010	650	Introduction to Geology 1	Melissa Lester, MS	3	30105	\$429
GEOL	1020	650	Introduction to Geology 2	Hilde Schwartz, PhD	3	30107	\$429

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Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
HISTORY							
HIST	1010	640	Western Civilization 1: From Antiquity to the 16th Century	Jeanne Christensen, PhD	3	30109	\$429
HIST	1010	650	Western Civilization 1: From Antiquity to the 16th Century	Jeanne Christensen, PhD	3	30111	\$429
HIST	1015	650	History of the United States to 1865	James Fell, PhD	3	30113	\$429
HIST	1020	640	Western Civilization 2: 16th Century to the Present	Jeanne Christensen, PhD	3	30115	\$429
HIST	1020	650	Western Civilization 2: 16th Century to the Present	Jeanne Christensen, PhD	3	30117	\$429
HIST	1025	650	History of the United States since 1865	James Fell, PhD	3	30119	\$429
HIST	2117	640	History of Colorado	James Fell, PhD	3	30213	\$429
HIST	2117	650	History of Colorado	James Fell, PhD	3	30215	\$429
HIST	4217	650	The American West in the 19th Century	Anthony McGinnis, PhD	3	30217	\$429
HIST	4227	650	The American West in the 20th Century	Anthony McGinnis, PhD	3	30219	\$429
HIST	4733	640	The Russian Revolution and the Soviet Regime	John Hatch, PhD	3	30221	\$429
INTEGRATIVE PHYSIOLOGY							
KAPH	3420	640	Nutrition, Health, and Performance	Mary Beth Lynch, PhD	3	30223	\$429
KAPH	3420	650	Nutrition, Health, and Performance	Frank Konishi, PhD	3	30225	\$429
JOURNALISM							
JOUR	1001	641	Contemporary Mass Media	Samuel R. Smith, PhD	3	30227	\$429
JOUR	3771	640	Mass Communication History	Cinda Gillilan, PhD	3	30232	\$429
KINESIOLOGY AND APPLIED PHYSIOLOGY (See Integrative Physiology)							
MATHEMATICS							
MATH	1011	650	Fundamentals and Techniques of College Algebra	Brian Clark, MA	3	30234	\$429
MATH	1021	650	Numerical and Analytical College Trigonometry	Kristen Marshall, PhD	2	30236	\$286
MATH	1071	650	Finite Mathematics for Social Science and Business	Kristen Marshall, PhD	3	30238	\$429
MATH	1081	650	Calculus for Social Science and Business	Kristen Marshall, PhD	3	30240	\$429
MATH	1300	650	Analytic Geometry and Calculus 1	Brian Clark, MA	5	30242	\$715
MATH	2300	650	Analytic Geometry and Calculus 2	Kristen Marshall, PhD	5	30244	\$715
MUSIC							
EMUS	1081	650	Basic Music Theory	Debbie Corisis, MA	3	30246	\$429
PHILOSOPHY							
PHIL	1000	650	Introduction to Philosophy	Barbara Morrison, PhD	3	30248	\$429
PHIL	1100	650	Ethics	Barbara Morrison, PhD	3	30250	\$429
PHIL	1600	650	Philosophy and Religion	Barbara Morrison, PhD	3	30252	\$429
PHIL	4040	650	Studies in 20th Century Philosophy	Barbara Morrison, PhD	3	30254	\$429
POLITICAL SCIENCE							
PSCI	1101	650	The American Political System	Jeffrey Ian Ross, PhD	3	30256	\$429
PSCI	2223	650	Introduction to International Relations	Jeffrey Ian Ross, PhD	3	30258	\$429
PSCI	3163	640	American Foreign Policy	James Ross, PhD	3	30260	\$429

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Dept.	Course No.	Section*	Course Title	Instructor	Credit Hours	Call Number	Tuition
PSYCHOLOGY							
PSYC	1001	650	General Psychology	Tim Bockes, PhD	3	30262	\$429
PSYC	2012	640	Biological Psychology 1	Howard Bashinski, PhD	3	30264	\$429
PSYC	2012	650	Biological Psychology 1	Howard Bashinski, PhD	3	30266	\$429
PSYC	2022	650	Biological Psychology 2	Howard Bashinski, PhD	3	30268	\$429
PSYC	2303	640	Psychology of Adjustment	ShawnaLee Washam, PhD	3	30270	\$429
PSYC	2303	650	Psychology of Adjustment	ShawnaLee Washam, PhD	3	30272	\$429
PSYC	2606	640	Social Psychology	Brett King, PhD	3	30274	\$429
PSYC	2606	650	Social Psychology	Brett King, PhD	3	30276	\$429
PSYC	3101	640	Statistics and Research Methods in Psychology	Howard Bashinski, PhD	4	30278	\$572
PSYC	3101	650	Statistics and Research Methods in Psychology	Howard Bashinski, PhD	4	30280	\$572
PSYC	4303	640	Abnormal Psychology	Brett King, PhD	3	30282	\$429
PSYC	4303	650	Abnormal Psychology	Brett King, PhD	3	30284	\$429
PSYC	4456	640	Psychology of Personality	Tim Bockes, PhD	3	30286	\$429
PSYC	4456	650	Psychology of Personality	Tim Bockes, PhD	3	30288	\$429
PSYC	4511	650	History of Psychology	Wayne Viney, PhD	3	30290	\$429
PSYC	4684	640	Developmental Psychology	Johnna Shapiro, PhD	3	30292	\$429
PSYC	4684	650	Developmental Psychology	Johnna Shapiro, PhD	3	30294	\$429
SOCIOLOGY							
SOCY	1001	640	Introduction to Sociology	Steve Wilson, PhD	3	30296	\$429
SOCY	1001	650	Introduction to Sociology	Steve Wilson, PhD	3	30298	\$429
SOCY	1016	650	Sex, Gender, and Society 1	Kristine DeWelde PhD	3	30300	\$429
SOCY	4014	640	Criminology	Steve Wilson, PhD	3	30302	\$429
SOCY	4014	650	Criminology	Steve Wilson, PhD	3	30304	\$429
SOCY	4025	640	Conflict Management in Social Systems	Guy Burgess, PhD	3	30306	\$429
SOCY	4086	640	Family and Society	Jan Burhmann, PhD	3	30308	\$429
SPEECH, LANGUAGE, AND HEARING SCIENCES							
SLHS	4035	581	Linguistic Analysis of American Sign Language	Jeff Davis, PhD	3	30122	\$678
SLHS	5035	581	Linguistic Analysis of American Sign Language	Jeff Davis, PhD	3	30123	\$678
SLHS	5045	581	Discourse Analysis of American Sign Language	Staff	3	30124	\$678
WRITING AND RHETORIC							
WRTG	1150	581	First Year Writing and Rhetoric	Anne Heintzman, MA	3	30125	\$555
WRTG	3020	581	Topics in Writing: Artificial Intelligence and Science Fiction	Bruce Leland, PhD	3	30126	\$555
WRTG	3020	582	Topics in Writing: World Environment Issues	Anne Heintzman, MA	3	30127	\$555
WRTG	3020	583	Topics in Writing: Ethical Questions in Fiction	Tim Lyons, MA	3	30128	\$555
WRTG	3020	584	Topics in Writing: Biomedical Ethics	Don Wilkerson, MA	3	30129	\$555
WRTG	3020	585	Topics in Writing: American Culture	Rosalyn Zigmond, MA	3	30130	\$555
WRTG	3020	586	Topics in Writing: American Culture	Rosalyn Zigmond, MA	3	30131	\$555
WRTG	3040	581	Writing on Business and Society	Anne Heintzman, MA	3	30132	\$555
WRTG	3040	582	Writing on Business and Society	Amy Goodloe, MA	3	30133	\$555
WRTG	3040	583	Writing on Business and Society	Amy Goodloe, MA	3	30134	\$555
WRTG	3040	584	Writing on Business and Society	Anne Bliss, PhD	3	30133	\$555

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APPLIED MUSIC

During fall and spring semesters the College of Music and Independent Learning offer private instruction for voice and most popular instruments. Group classes are offered for beginning guitar and piano. Private lessons are by arrangement. Students must furnish instruments, except piano.

9 hours of instruction. 2 semester hours credit. Tuition: \$310.

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

These courses are offered on a term basis in order to provide rich interaction with your instructor and the other students in the course. The courses 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. Only partial course descriptions are listed; complete descriptions are available on the web site, www.colorado.edu/cwww. Registration begins December 1.

COMMUNICATION

Principles and Practices of Argumentation

COMM 3310

3 SEMESTER HOURS

Focuses on principles of argument, the process of critical decision making, and uses and limitations of logic and evidence. Prereq., COMM 1300.

Students who have received credit for COMM 2310 will not receive credit for 3310.

Alex Heintzman, MA, Section 581: Call No. 30121

Term dates: January 20-May 6. Tuition: \$555.

ENGLISH

Literary Analysis

ENGL 2000

3 SEMESTER HOURS

Emphasizes critical writing and the acquisition of basic techniques and vocabulary of literary criticism through close attention to poetic and prose language. Students may not receive credit for both ENGL 1010 and 2000.

James McVey, PhD, Section 581: Call No. 30065

Term dates: January 20-May 6. Tuition: \$555.

Introduction to Literary Theory

ENGL 2010

3 SEMESTER HOURS

Introduces students to a wide range of critical theories that English majors need to know.

Todd Pinney, PhD, Section 581: Call No. 30066

Term dates: January 20-May 6. Tuition: \$555.

Native American Literature

ENGL 2717

3 SEMESTER HOURS

Surveys traditional and contemporary North American Native American literature, from traditional oral forms to contemporary genre literature of novels, short stories, and poetry. Same as AIST 2712.

Karen Auvinen, PhD, Section 581: Call No. 30317

Term dates: January 20-May 6. Tuition: \$555

American Novel 2

ENGL 4245

3 SEMESTER HOURS

From 1900 to the present. Prereq., junior standing.

James McVey, PhD, Section 581: Call No. 30325

Term Dates: January 20-May 6. Tuition: \$555.

WRITING AND RHETORIC

First-Year Writing and Rhetoric

WRTG 1150

3 SEMESTER HOURS

Focuses on critical reading skills, analytic and argumentative writing, connections between academic writing and civic debate, and critical information literacy. Meets MAPS requirement for English. Approved for arts and sciences core curriculum: written communication. Business students excluded. This section limited to juniors and seniors.

Anne Heintzman, MA, Section 581: Call No. 30125

Term dates: January 20-May 6. Tuition: \$555.

Topics in Writing

WRTG 3020

3 SEMESTER HOURS

Students choose an essay, abstract its argument, analyze it, and agree or disagree with the author to learn the principal modes of academic rhetoric. Restricted to arts and sciences juniors and seniors. Same as NRLN 3020. Approved for arts and sciences core curriculum: written communication.

Artificial Intelligence and Science Fiction

Bruce Leland, PhD, Section 581: Call No. 30126

Term dates: January 20-May 6. Tuition: \$555.

World Environment Issues

Anne Heintzman, MA, Section 582: Call No. 30127

Term dates: January 20-May 6. Tuition: \$555.

Ethical Questions in Fiction

Tim Lyons, MA, Section 583: Call No. 30128

Term dates: January 20-May 6. Tuition: \$555.

Biomedical Ethics

Donald Wilkerson, MA, Section 584: Call No. 30129

Term dates: January 20-May 6. Tuition: \$555.

American Culture

Rosalyn Zigmond, MA

Section 585: Call No. 30130, Section 586: Call No. 30131

Term dates: January 20-May 6. Tuition: \$555.

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 and analytical and argumentative writing. Approved for arts and sciences core curriculum: written communication.

Anne Heintzman, MA, Section 581: Call No. 30132

Term dates: January 20-May 6. Tuition: \$555.

Amy Goodloe, MA

Section 582: Call No. 30133; Section 583: Call No. 30134

Term dates: January 20-May 6. Tuition: \$555.

Anne Bliss, PhD, Section 584: Call No. 30313

Term dates: January 20-May 6. Tuition: \$555.

Additional Credit Programs

ACCESS PROGRAM AVAILABLE CREDIT COURSES FOR ELIGIBLE SPECIAL STUDENTS

Do you want to take a credit course at CU-Boulder during the day? Are you interested in a particular class for personal or professional development? Do you plan to enroll in a degree program in the future? The ACCESS program enables nondegree students to enroll in Boulder main campus undergraduate or graduate courses on a space available basis after most degree-seeking students have had an opportunity to register.



We are currently accepting applications for Spring 2004 semester. Registration begins Friday, January 9 and classes begin Monday, January 12. Call 303-492-5148 for more information or visit the ACCESS web site at www.colorado.edu/conted/access.htm.

HIGH SCHOOL CONCURRENT PROGRAM

If you are a high school student interested in the challenge of university coursework, you can enroll in 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.

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 through the ACCESS program. You must notify your counselor of your intent to enroll at least two months prior to the beginning of the term. Call 303-492-6226 for an application and more information or visit the web site at www.colorado.edu/conted/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. Areas of emphasis available are English, history, psychology, and sociology. Interested students should call 303-492-8252 to make an appointment with an advisor or visit the web site at www.colorado.edu/conted/degreecompletion.htm.

SUMMER SESSION

Are you thinking ahead to Summer 2004? Consider Summer Session at CU-Boulder. Registration begins in mid-March.

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.

We welcome high school students, undergraduate students, 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 or to request a catalog, call 303-492-5148 or visit the web site at www.colorado.edu/summersession. Summer 2004 information will be available on the Web in December.

HIGH SCHOOL INDEPENDENT LEARNING

The High School Independent Learning program provides special opportunities for students to meet college entrance requirements, to accelerate graduation, or to meet high school graduation requirements. In cooperation with and approval from your high school, this program allows students to take self-paced correspondence courses for high school credit. It's up to you when and where to learn.



We offer courses in the following areas: business, English, consumer and family science, mathematics, science, social studies, and study skills. Additional information, course listings, and course descriptions are available on the Web at www.colorado.edu/cewww.

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

Center for Advanced Engineering and Technology Education (CAETE)

THE CENTER FOR ADVANCED ENGINEERING AND TECHNOLOGY EDUCATION *brings CU-Boulder's College of Engineering and Applied Science directly to you. Whether you are looking for a graduate degree, professional development classes, or a career enhancing certificate, CAETE allows you to take command of your future. Through its distance education program CAETE connects you with world class faculty, curriculum, and resources wherever you are.*

ACADEMIC EXCELLENCE

CU-Boulder is one of the leading research universities in the United States. The College of Engineering and Applied Science at CU-Boulder is known for its outstanding faculty, strong industry partnerships, and dedication to excellence in both teaching and research making it one of the best institutions of higher education in the country for meeting the challenges of the 21st century.

- Graduate programs at the College of Engineering and Applied Science are currently ranked 21st among public engineering schools (*U.S. News and World Report*, April 2003).
- Among the 170 distinguished faculty in the College of Engineering and Applied Science are 18 NSF National or Presidential Young Investigators, 14 NSF CAREER Award winners, and four NSF Presidential Early Career Award winners.
- Because of the College of Engineering and Applied Science's 17 research centers, national laboratories and numerous industrial firms choose to involve the college's students and faculty in joint research projects.

DEGREES, CERTIFICATES, AND SHORT COURSES

CAETE serves on-campus students, distance learners and working professionals through traditional classroom, live TV broadcast, videotape and other media, and the Internet. Courses through CAETE can help you reach your goals with career enhancing degrees, certificates, or specific skills:

- Earn a master's degree in aerospace engineering, computer science, electrical and computer engineering, engineering management, or telecommunications from CU-Boulder's College of Engineering and Applied Science.
- Earn a certificate in engineering management, project management, power electronics, software engineering, or software management from CU-Boulder's College of Engineering and Applied Science.
- Take elective courses in the areas of civil, environmental, or mechanical engineering.
- Participate in short courses in a variety of fields related to engineering and technology offered on-site or on campus.

THE PROFESSIONAL ADVANTAGE

CAETE brings the opportunity to earn graduate degrees or certificates and participate in professional development classes directly to your workplace or home. Courses are taught by tenured and tenure-track faculty at the University or by adjunct faculty who are industry professionals that bring real world experience into the classroom.

- The convenience of distance learning allows you to pursue your professional development wherever you want.
- Contact with world class faculty gives you exposure to cutting edge research and practical expertise.
- Access to an extensive media library of past courses gives you the flexibility to take a class that may not be offered during the regular semester or your company can rent or purchase courses for in-house training.

Whether you choose to learn from a distance or right on campus, CAETE will help you reach your educational goals.



Spring Registration Information

December 8-31, 2003

Contact us at 303-492-6311 or register online at caete.colorado.edu.



"The real-world perspective of both professors and students in the engineering management program is invaluable...with each class I add something new to my management toolkit." — Sonya Gary

I've noticed that drawing makes people slow down and observe the world differently. In our fast-paced age of technology, that's not a bad thing.

Kimberlee Sullivan
Beginning Drawing

Kimberlee Sullivan is a full-time artist who teaches Beginning Drawing and stresses more than just skill. "I want my students to not only learn technique, but to hone their abilities to create, view, and interpret drawings." Don't worry if you've never taken an art class before – Kimberlee reports that often, "beginners do really cool work. There are so many wonderful things you can create with paper and charcoal."



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

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

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

Foreign Language Classes

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

Fine Arts Classes

Fine Arts students should call our registration office at 303-492-5148 for a supply list or visit our web site at www.colorado.edu/conted/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. December 8 is the spring application deadline. Scholarship awards range up to \$460. Applications are available at Continuing Education or can be found on the Web at www.colorado.edu/scholarships.htm.

Faculty and Staff Discounts

University of Colorado faculty and staff on at least a permanent, half-time appointment and retired faculty and staff may enroll in classes at a 25% tuition discount. Please provide proof of status with the University of Colorado when you register. Call 303-492-5148 for more information.



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FINE ARTS

- Introduction to Drawing
- Figure Drawing
- Water Media
- Introduction to Oil Painting
- Collage
- Papermaking
- Basic Sculpture
- Fearless Basic Photography
- Creative Photography Workshop

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

- Acting Basics

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WRITING

- Creative Writing
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GETTING PUBLISHED SERIES

- How to Write Magazine Articles...and Get Them Published
- Target Your Article Ideas to Specific Magazines
- The Writer's Process: From Inspiration to Publication
- The Children's Book: Write It, Illustrate It, Publish It!
- Travel Writing
- Writing the Nonfiction Book Proposal
- How to Crack the Online Magazine Market
- How to Sell What You Write to a Publisher

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GETTING PUBLISHED CONFERENCE

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

Section 500: Mondays, January 26-March 15, 7-9 p.m., Fine Arts N298, 8 sessions. \$186.

Figure Drawing

NCFA 005

Explore the fundamentals of drawing the human figure. The activities are divided into eight learning units. In the beginning, you will explore various tools and mark making within the realm of black and white. You will add to your 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. Complete, discounted supply kits are available at Art Hardware (1135 Broadway) for approximately \$85-\$100. Call 303-492-5148 for a supply list. Please bring materials to the first class meeting.

Susanna Cavalletti, MFA from CU-Boulder, has taught drawing and painting as well as art history for CU-Denver and the CU-Boulder Continuing Education credit program.

Section 500: Wednesdays, January 28-March 17, 7-9 p.m., Fine Arts N298, 8 sessions. \$186.

Water Media

NCFA 009

You will be introduced to various watercolor applications, such as wet into wet, dry brush, glazing, mingling, etc. Discussions focus on understanding color and developing the composition and techniques that include a salt lift, masking fluid, plastic wrap, and different ways to create whites. You will explore watercolor as a medium to record visual information in your journal as well as in finished work. The class examines a variety of resources such as the still life, human figure, and photograph. Complete, discounted supply kits are available at Art Hardware (1135 Broadway) for approximately \$95-\$120. Call 303-492-5148 for a supply list. Please bring materials to the first class meeting.

Susanna Cavaletti, MFA from CU-Boulder, has taught drawing and painting as well as art history for CU-Denver and the CU-Boulder Continuing Education credit program.

Section 500: Mondays, January 26-March 15, 6-8:30 p.m., Fine Arts C103, 8 sessions. \$230.

Introduction to Oil Painting

NCFA 028

Gain an understanding of fundamental color theory and basic oil painting materials and methods, such as using mediums to ensure that paintings don't crack over time. 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. The estimated cost for the materials is \$130-\$200. Complete, discounted supply kits are available at Art Hardware (1135 Broadway) for approximately \$140. Please bring all materials to the first class meeting. No previous painting experience is necessary!

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

Section 500: Tuesdays, January 27-March 16, 6:30-8:30 p.m., Fine Arts C103, 8 sessions. \$186.

Collage

NCFA 031

Develop your own series of collages with papers and/or other traditional or nontraditional materials. Each class will involve individualized instruction and group discussion, as well as time to create. We will investigate visual artists who have used collage to create powerful and evocative images, and discuss the method's unique capacities to convey meaning. Call 303-492-5148 for a suggested supply list. Please bring chosen materials for the first night.

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

Section 500: Tuesdays, March 30-May 4, 6:30-8:30 p.m., Fine Arts C103, 6 sessions. \$142.

Papermaking

NCFA 128

Paper – we use tons of it without seriously considering how it is made, what it is made of, and the creative potential it holds. This class introduces the basic properties of paper and how to make it. We will use a variety of fibers and techniques from around the world. We will also explore beating techniques for different fibers, sheet forming techniques and tools, pulp painting, and pulp spraying. Come prepared to dive right in, get wet, and be creative. This class will not meet on February 21.

Betsy Dollar, BFA and MFA from CU-Boulder, has been fascinated with papermaking since the early 1980s and has shared her love of papermaking with students of all ages.

Section 500: Saturday, February 7-March 6 (skip February 21), 10 a.m.-2 p.m., Fine Arts C1B70, 4 sessions. \$204.



Beau Sam is a high school junior who wants to be a professional artist. He took Susanna Cavaletti's figure drawing class because it was a good opportunity to learn to draw the human form. He liked the Continuing Education class because it was laid back and never felt like an obligation; it was more like, "Oh, I get to go to class!" Plus, "it's a safe environment to learn to draw, and you will see improvement no matter what your level."

Basic Sculpture

NCFA 054

Designed for students of all levels, this class covers the fundamental principles and design elements of sculpture. Students will use a variety of tools and materials for basic modeling, building, and sculptural fabrication techniques. Depending on students' interests, demonstrations may include the use and application of clay, stone, plaster, metal, and wood. Supplies will cost approximately \$35-\$40. Call 303-492-5148 for a supply list. Please bring the modeling tool, the clay, and the raw canvas to the first class meeting.

Barbara Cox, BFA/MA, is a local sculptor in stone and wood who has a BFA in three dimensional sculpture, a master's degree in Jungian psychology, and a teaching certificate in art education. She has taught art classes and has inspired students since 1975.

Section 500: Wednesdays, January 28-March 17, 6:30-8:30 p.m., Fine Arts C102, 8 sessions. \$186.

(Fine Arts continued)

Sarah Stein took Susanna Cavalletti's figure drawing class, which draws students from all walks of life and experience levels. Beginners, art students even engineers gather to expand their skills, learn, and practice. If you've got a full-time day job, this convenient evening course lets you to explore, develop, and celebrate your artistic side. Pull up an easel and grab a pencil!

Fearless Basic Photography NCFA 001

Come prepared to have fun while learning how to operate your 35mm SLR camera. We will cover f-stops, shutter speeds, film, exposure, lenses, filters, flash, simple lighting techniques, composition, alternative shooting techniques, and ways of "seeing." For weekly assignments, you will be shooting color slide film and will be encouraged to share your images to receive feedback from the class. A minimum of six rolls of color slide film is required to complete all assignments (approximate cost is \$85 for film and processing). Bring your 35mm SLR camera and enthusiasm for learning a new skill. No experience necessary!

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

Section 500: Wednesdays, January 28-March 17, 6:30-8:30 p.m., Ketchum 118, 8 sessions. \$176.

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

Section 500: Thursdays, February 5-April 1, 7:30-9:30 p.m., Economics 2, 9 sessions. \$223.

FOREIGN LANGUAGES

Chinese: Beginning Conversational and Written Skills NCFL 108

Learn Mandarin Chinese while emphasizing practical and colloquial Chinese for business and travel. You will practice proper pronunciation and useful conversational phrases for a number of situations. To reinforce language learning skills, you will be introduced to Chinese characters. Chinese culture will also be explored.

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

Section 500: Wednesdays, January 28-March 17, 6:30-8:30 p.m., Hellems 251, 8 sessions. \$186.

French: Beginning Conversational Skills NCFL 100

Immerse yourself in a new romantic language! You will learn the present tense of "er" verbs and a few common irregular verbs, recent past and near future tense, while emphasizing practical conversational skills for travelers. We will also cover cultural aspects of French life. The textbook, *Parlons Francais I*, is available at the CU Bookstore. There will be in-class handouts complimenting the textbook. No class on March 23.

Nadia Turk, PhD, has taught French and Arabic at CU-Boulder since 1982.

Section 500: Tuesdays, January 27-April 6 (skip March 23), 6:30-8:30 p.m., Education 136, 10 sessions. \$230.

French: Conversational Skills for Advanced Beginners NCFL 200

Are you able to use the present tense and want to learn more? This class is for you! We will learn more irregular verbs in the present tense, cover pronominal verbs, and the past tense of both regular and irregular verbs. We will stress increased vocabulary and speaking skills. The textbook, *Parlons Francais II*, is available at the CU bookstore. There will be in class handouts complimenting the textbook. No class on March 25.

Nadia Turk, PhD, has taught French and Arabic at CU-Boulder since 1982.

Section 500: Thursdays, January 29-April 8 (skip March 25), 6:30-8:30 p.m., Hellems 255, 10 sessions. \$230.

German: Beginning Conversational Skills NCFL 101

Do you intend to travel to a German-speaking country but have little or no experience with the language? This course will prepare you to use German practically and effectively. By covering essential grammar, emphasizing speaking skills, building a large working vocabulary, and discussing cultural and geographical elements, you will not only gain a knowledge of the language, but also a more complete sense of life in Germany today.

Kathryn Tisdale, BA/MA, is a recent graduate of the German Department at CU-Boulder who speaks Spanish as well as German. A Colorado resident of almost twenty years, she spent five months living in Switzerland working as an Au Pair.

Section 500: Thursdays, January 29-March 18, 6-8 p.m., Hellems 251, 8 sessions. \$186.

Italian: Beginning Conversational Skills NCFL 102

Learn speaking skills for a variety of situations! We will begin with the essentials of pronunciation, develop vocabulary, and learn crucial phrases and idioms needed for everyday communication. We will also cover present tense of verbs, differentiating formal from familiar address and gender, examine cultural topics, and view videos.

Tina Pugliese, MA in Foreign Languages and Cinema Study from the University of Rome, is a native of Italy. She has taught Italian classes to non-Italian students in private schools in Rome. Tina teaches all levels of Italian at CU-Boulder.

Section 501: Mondays, January 26-March 15, 6-8 p.m., Hellems 191, 8 sessions. \$186.

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

Section 502: Wednesdays, January 28-March 17, 6-8 p.m., Hellems 181, 8 sessions. \$186.

Italian: Conversational Skills for Advanced Beginners NCFL 202

When in Rome, do and speak as the Romans do. Review basic grammar concepts introduced in Beginning Italian and expand on vocabulary and expressions essential for conversational fluency in Italian. We will also continue to integrate aspects of modern Italian life and culture.

Molly Petras, BA in Italian from CU-Boulder, spent one year of high school in Italy and has traveled extensively throughout the country.

Section 500: Mondays, January 26-March 15, 6:30-8:30 p.m., Hellems 137, 8 sessions. \$186.

Japanese: Beginning Conversational and Written Skills NCFL 104

Interested in all things Japanese? This class will provide you with the skills you need to get started! You will learn to read and write Katakana, one of the two Japanese alphabets, and will be introduced to Kanji (Chinese characters). By the end of this course, you will be able to greet people, introduce yourself, order at a restaurant, ask for phone numbers, and ask what time it is and respond appropriately. We will stress the importance of pronunciation and the polite and day-to-day language customs.

Naoko Asada, BS, is a native of Japan and teaches Japanese language courses for the CU-Boulder Department of East Asian Languages and Civilizations.

Section 500: Tuesdays, January 27-March 16, 6-8 p.m., Hale 236, 8 sessions. \$186.

Japanese: Conversational and Written Skills for Advanced Beginners NCFL 204

You will learn the basic sentence structure of Japanese, one of the two Japanese alphabets, Hiragana, and more Kanji. By the end of this course, you will be able to talk about past, current, and future daily activities and events, likes and dislikes, and the weather. You will also be able to make appropriate conversations in order to shop and dine. This course is designed for those with an introductory knowledge of Japanese.

Naoko Asada, BS, is a native of Japan and teaches Japanese language courses for the CU-Boulder Department of East Asian Languages and Civilizations.

Section 500: Thursdays, January 29-March 18, 6-8 p.m., Humanities 145, 8 sessions. \$186.

Portuguese: Beginning Conversational Skills NCFL 106

Join the instructor for a dynamic approach to colloquial Portuguese for business and travel. Basic grammar points will be covered within the context of daily situations in the Brazilian culture through various in-class activities. You will learn to utilize present and past tenses. Required text, *Avenida Brasil 1*, is available at the CU Bookstore.

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

Section 500: Wednesdays, January 28-March 17, 6:30-8:30 p.m., Hellems 193, 8 sessions. \$186.

Spanish: Beginning Conversational Skills NCFL 103

Beginners will find this course the perfect place to start! We will cover present tense and learn vocabulary about food, restaurant dining, family, hotel, and vacations, while emphasizing conversational skills. We will also examine culture aspects of Spanish-speaking countries, view videos, and listen to Spanish music.

Cassandra Cleavinger, MA, has taught both credit and noncredit Spanish courses for CU-Boulder Continuing Education.

Section 501: Mondays, January 26-March 15, 6:30-8:30 p.m., Hellems 193, 8 sessions. \$186.

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

Section 502: Tuesdays, January 27-March 16, 7-9 p.m., Education 138, 8 sessions. \$186.

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

Section 503: Wednesdays, January 28-March 17, 6:30-8:30 p.m., Hellems 185, 8 sessions. \$186.

(Foreign Languages continued)

Spanish: Conversational Skills for Advanced Beginners

NCFL 203

It's time to take your Spanish to the next level! In this course, you will learn past tense and practice present tense while developing accuracy and proficiency in the use of conversational Spanish. We will cover practical vocabulary about travel, airports, hobbies, sports, personal care, and housework, and also examine culture aspects of Spanish-speaking countries, view videos, and listen to Spanish music.

Prerequisite: Beginning Spanish or equivalent.

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

Section 501: Tuesdays, January 27-March 16, 6:30-8:30 p.m., Hellems 191, 8 sessions. \$186.

Nuria Godon is a PhD student in Spanish Literature at CU-Boulder. She is a native of Spain and teaches introductory Spanish classes on campus.

Section 502: Thursdays, January 22-March 11, 6:30-8:30 p.m., Hellems 191, 8 sessions. \$186.

Spanish: Intermediate Conversational Skills

NCFL 303

Don't miss the opportunity to build your vocabulary, develop conversational skills, and learn cultural and social aspects of Spanish-speaking countries. We will review and cover new grammar depending on your interests and suggestions. Prerequisite: Beginning Spanish or equivalent. Required text, *Pasajes: Lengua*, by Bretz, available at the CU Bookstore.

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

Section 500: Thursdays, January 29-March 18, 7-9 p.m., Hellems 259, 8 sessions. \$186.

THEATRE

Acting Basics

NCTH 017

Learn the basic principles of acting with a focus on "real life" skills including relaxation, concentration, memorization, improvisation, and imagination. Participate in acting exercises such as stretching, breathing, and vocal techniques. Rehearse and perform a scene from a play with other classmates, and learn a monologue that can be used for future auditions.

Kevin Brown is a graduate student in theatre at CU-Boulder. Kevin teaches acting at CU-Boulder and theatre at the Community College of Denver. Kevin is also a professional actor, director, and playwright.

Section 500: Tuesdays, February 17-April 13, 6:30-8:30 p.m., Guggenheim 3, 8 sessions. \$176.

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.

Naomi Rachel, MA English Literature/MFA Creative Writing, is a professional writer with over 300 publications in regional and national publications.

Section 500: Wednesdays, January 28-March 17, 7-9 p.m., Hellems 263, 8 sessions. \$176.

Creative Writing Workshop

NC W 106

Explore ways to develop your individual voice and improve your work! If you have already taken Creative Writing classes, or have been writing on your own, you will be able to workshop in a supportive atmosphere. The topics covered and the imaginative assignments will relate to the work that you are doing. We will also have assigned readings relating to the issues brought up in the workshop. Class will not meet on March 22.

Naomi Rachel, MA English Literature/MFA Creative Writing, is a professional writer with over 300 publications in regional and national publications.

Section 500: Mondays, January 26-April 5 (skip March 22), 7-9 p.m., Hellems 271, 10 sessions. \$220.

Short Story Workshop

NC W 008

Designed for both beginning and intermediate writers, this course covers many aspects of writing the short story, including characterization, plot, setting, theme, dialogue, and developing one's own style and voice. For the first few weeks we will explore various topics through lecture, discussion, and in-class writing exercises. The rest of the course will follow a workshop format where we will bring in our stories-in-progress to share and receive helpful editorial suggestions. Finally, we will discuss marketing your stories and how to prepare and submit manuscripts for publication.

Maria Hugger, MA Creative Writing from CU-Boulder, has published in a number of magazines including Strategic Confusion and Palimpsest. Currently she is an assistant editor for Square One.

Section 500: Wednesdays, January 28-March 10, 6:30-8:30 p.m., Hellems 259, 7 sessions. \$154.

Creative Nonfiction

NC W 079

Do you have an idea for a nonfiction story?

Perhaps you're looking for other writers to work with who can provide useful criticism. Maybe you just want to learn more about this genre we call creative nonfiction. Whatever the case, this class is designed to help nonfiction writers in the pursuit of their individual projects. Whether you are interested in travel writing, memoir, biography, nature writing, magazine articles, or personal essays, this class will provide a supportive environment for your work. We will conduct the class in a workshop format with some outside readings.

Jim McVey, MA in Creative Writing and PhD in English, is widely published in both fiction and nonfiction. He's been teaching literature and creative writing courses at CU since 1986.

Section 501: Thursdays, January 29-March 18, 6:30-8:30 p.m., Education 132, 8 sessions. \$176.

GETTING PUBLISHED SERIES

Do you have a great idea for a book or magazine article? Or maybe you're already writing one but you're not sure how to get it into print.

Join us this spring and learn from successful authors on how they have gotten their words in print. Hear about their successes and failures, inspirations and determination, tips and techniques.

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

NC W 005

Got an idea for a magazine article you've been itching to develop? Always loved to write but just haven't known what to do with that talent or desire? Think you could write livelier, more readable articles than what you see in magazines? From sure-to-sell query letters to sure-to-happen publication, learn all the steps to successful magazine article writing and sales. The instructor also works individually with students' articles.

Nancy Rasmussen has taught magazine article writing for 13 years and has published over 60 articles in national and local publications. She currently writes and proofreads for the CU-Boulder alumni magazine, the Coloradan.

Section 500: Tuesdays, February 10-March 16, 6:30-8:30 p.m., Economics 2, 6 sessions. \$132.

Target Your Article Ideas to Specific Magazines

NC W 013

Increase your magazine article sales through this hands-on workshop designed to take you step-by-step through developing your article ideas for specific magazines. Students should bring a copy of a magazine that they want to target.

Su Wright, BS, 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 500: Saturday, May 22, 1-4 p.m., Continuing Education Center, 1 session. \$50.

The Writer's Process: From Inspiration to Publication

NC W 121

If you've always wanted to write and write well, this interactive course is for you. With down-to-earth advice, you'll learn everything from getting started and discovering your own personal voice, to revising your work, surviving rejection, and feeling good about the entire writing process. Specific information will be given about successful writing techniques, authors' insights, query letters, nonfiction proposals, marketing your work, and scriptwriting. Enjoy this opportunity to express yourself while learning more about the art and craft of writing.

Ellen Mahoney, BS in Journalism and MEd, has been writing for more than 20 years with Disney, MCA/Universal, Columbia Pictures, and LucasArts. She's had several books published including novelty books for children and nonfiction for teens.

Section 500: Tuesdays, February 3-March 9, 6:30-8:30 p.m., Education 231, 6 sessions. \$132.



A grant writer by day, in his free time

David Young is keenly interested in

drawing, painting and sculpting the human

form. To become more accurate, he took

Susanna Cavalletti's form drawing class,

and found it to be "excellent; the class is

small and the pace is good." It's a nice

way to get away from work, and "it's

worth taking if you're serious about

enhancing your skills at figure drawing."

The Children's Book: Write It, Illustrate It, Publish It!

NC W 012

Ever dreamed of writing or illustrating a children's book? Learn the entire process, from the cultivation of ideas to the published work. We'll cover manuscript development, illustration techniques, picture layouts, self-publishing, and submitting manuscripts to publishing companies. We'll take an in depth look at how straightforward and profitable it is to self-publish your own work. Feel free to bring your own art or writing for instructor support and advice. Don't be shy! This will be a fun and safe place to share your work.

Kerry Lee MacLean, BA, has written, illustrated, and successfully self-published 6 books, including two award-winners, Pigs Over Denver and Pigs Over Boulder.

Section 500: Saturday, March 13, 9 a.m.-4 p.m., Continuing Education 140, 1 session. \$100.

(Getting Published continued)

Art has always been a part of Lesley Switendick's life. She took Susanna Cavalletti's figure drawing class to brush up on her skills, and also because figure drawing "makes me feel relaxed and centered." Lesley considers herself to be a lifelong learner; "I feel fortunate I can take classes of such high quality. Continuing Education is a great program."

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 a query letter to pitch your idea to publications, how to write the article's lead and conclusion, and how to develop the middle of the article, as well as how to construct effective sidebars, research the article, and where to get photographs (if you're not a photographer).

Su Wright, BS, 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 500: Saturday, April 17, 9 a.m.-4 p.m.
Continuing Education 140, 1 session. \$100.

Writing the Nonfiction Book Proposal NC W 079

Do you have an idea for a nonfiction book? Have you written a nonfiction book and don't know how to sell it? Writing a book proposal is the next step toward getting your nonfiction book published. In this class you will learn the components of a nonfiction book proposal. Examples and class discussion will help you structure your proposal.

Su Wright, BS, 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 Foder Travel Guides and is under contract to write travel guidebooks.

Section 502: Saturday, May 22, 9 a.m.-12 p.m.,
Continuing Education Center, 1 session. \$50.

How to Crack the Online Magazine Market NC W 092

Most writers have yet to discover the publishing opportunities waiting to be seized on the Internet. This one-day session will introduce you to the markets eager for new talent and help you target the right online publications. Learn the difference between writing for print and writing for the Web, find out which markets are most receptive to unpublished newcomers, explore the various types of Internet writing, and leave with specific tips for bursting through the online door.

Dan Stern is a professional freelance writer who has written for several of the nation's top publications, both online and print, including the Discovery Channel Online, Salon.com, and U.S. News & World Report. Dan earned his bachelor's degree in journalism and philosophy from George Washington University.

Section 500: Saturday, February 21,
10 a.m.-3 p.m., Continuing Education Center,
1 session. \$100.

How to Sell What You Write to a Publisher NC W 090

Join this informative workshop and learn about the important, but often-neglected, business side of writing. Discover how to negotiate the best possible contract for books and magazines. You will learn the terminology of contracts, why some rights are worth fighting for, how to resell your writing for multiple profits, and the techniques of negotiating a win-win contract for both parties. Topics will include book advances, subsidiary rights, special sale, electronic rights, option on future work, and royalties – gross vs. net royalty payments. For magazine contracts, we will cover how to pitch ideas, get assignments, build a long term working relationship with editors. What rights you should keep control of, so you can receive recurring income for many years to come. You will be given sample magazine, book and web contracts in class. Everyone will have a chance to practice their negotiation skills in the class.

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

Section 500: Saturday, February 7,
9 a.m.-4 p.m., Continuing Education Center,
1 session. \$100.

Getting Published Conference

Advice for Aspiring Writers from Published Writers

NC W 125

Saturday, January 31, 2004, 9 a.m. to 4:30 p.m.

Location: Hale 270, University of Colorado at Boulder

Don't miss a unique opportunity to hear from and ask questions of published writers representing a wide variety of experience! You will learn how these authors have gotten their words in print, hear about their successes and failures, inspirations and determination, tips and techniques.

This conference is based on the success of our Getting Published workshop series. It brings together 8 published writers in an informative, dynamic forum designed to give you information on how to get published.

The topics to be discussed include:

Mystery Novel

Larry Meredith, author of *This Cursed Valley*, has been a newspaper man, a salesperson, an advertising and sales promotion writer for a fortune 500 company, a college and university public relations director, and has owned his own marketing and video production company.

Children's Books

Claudia Mills, author of over 30 children's books including *Lizzie at Last* and the *Gus and Grandpa* series, is a professor of philosophy at CU-Boulder. Her current research interests are focused on ethical issues in children's literature and ethical issues in parenting/child-rearing.

Script/Screen Writing

Ellen Mahoney has been writing for more than 20 years for companies such as Disney, MCA/Universal, Columbia Pictures and LucasArts. She wrote for the Disney Channel's "Kids Incorporated" series.

Magazine Writing

Nancy Rasmussen has taught magazine article writing for 13 years and has published over 60 articles in national and local publications. She currently writes and proofreads for the CU-Boulder alumni magazine, the *Coloradan*.

Travel Writing

Su Wright is a freelance writer who has published articles in national and local magazines and newspapers. She is a former contributing editor and writer to *Fodor's Travel Guides* and is under contract to write travel guidebooks.

Online Magazine Market

Dan Stern is a professional freelance writer who has written for several of the nation's top publications, both online and print, including the *Discovery Channel Online*, *Salon.com*, and *U.S. News & World Report*.

Nonfiction Books

Brian Luke Seaward is a nationally recognized expert in the field of stress management, stress and spirituality, and mind-body-spirit healing. Luke has published several books including the popular best sellers *Managing Stress*, *Stand Like a Mountain*, *Flow Like Water*, and *Stressed Is Desserts Spelled Backwards*.

Self-Publishing

Kerry Lee MacLean has written, illustrated, and successfully self-published 6 books, including two award-winners, *Pigs Over Denver*, and *Pigs Over Boulder*. Her latest book, *Piggy Wisdom*, has been acquired by *Orchard Books*.

Trends in Publishing

The conference will conclude with a panel discussion on the latest trends and topics in publishing. Panelists will include:

Clay Evans of the *Boulder Daily Camera*
Patti Thorn of the *Rocky Mountain News*
Susan Jones of the *Boulder Book Store*
Evelyn Spence of *Skiing Magazine*

The discounted price for this exciting and informative conference is \$120 when you pre-register; \$150 on the day of the conference. Don't wait. Space is limited.

For more information, visit www.colorado.edu/conted/gpconference or call 303-492-5148.

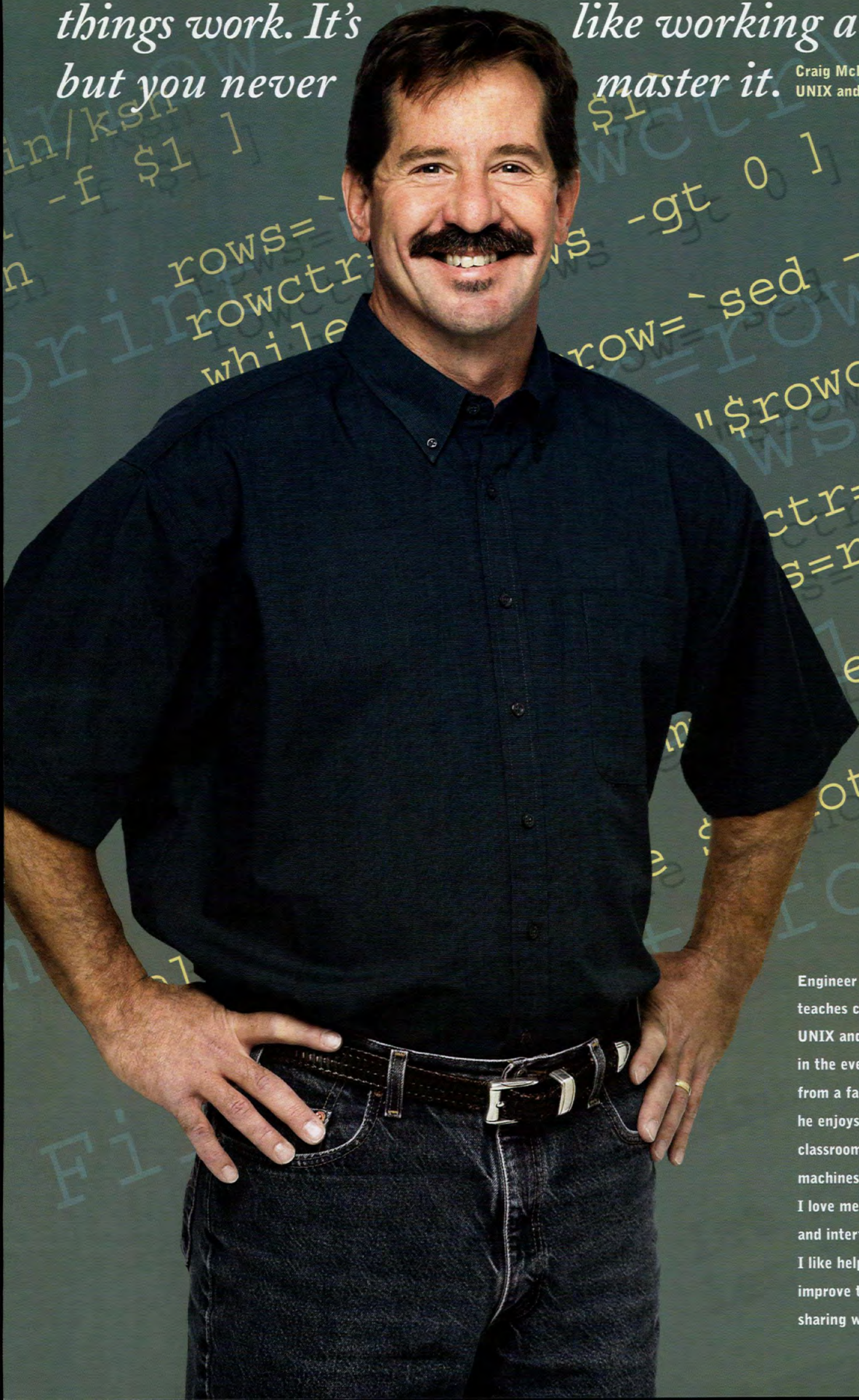
Tentative Schedule

9-9:20 a.m.	Welcome and Introduction of Presenters Hale 270		
9:20-10:40 a.m. (choose one)	Mystery Novel <i>Larry Meredith</i>	Magazine Writing <i>Nancy Rasmussen</i>	Self-Publishing <i>Kerry MacLean</i>
10:40-10:55 a.m.	Break		
10:55 a.m.-12:15 p.m. (choose one)	Children's Books <i>Claudia Mills</i>	Nonfiction Books <i>Brian Luke Seaward</i>	Newspaper Features and Columns <i>Graham Averill</i> <i>Ellen Mahoney</i> <i>Dan Stern</i>
12:15-1:15 p.m.	Lunch on your own		
1:15-2:35 p.m. (choose one)	Travel Writing <i>Su Wright</i>	Online Magazine Market <i>Dan Stern</i>	Script Writing <i>Ellen Mahoney</i>
2:35-2:50 p.m.	Break		
2:50-4:15 p.m.	Wrap Up Panel Discussion <i>Clay Evans</i> Boulder Daily Camera <i>Patti Thorn</i> Rocky Mountain News <i>Susan Jones</i> Boulder Book Store <i>Evelyn Spence</i> Skiing Magazine		



I like computers because I like to know how things work. It's like working a puzzle, but you never master it.

Craig McBride
UNIX and Networking



Engineer Craig McBride teaches classes in UNIX and Networking in the evenings. Coming from a family of teachers, he enjoys being in the classroom. "I work with machines all day, so I love meeting people and interfacing with them. I like helping people improve their skills and sharing what I know."

COMPUTERS have become an integral part of our everyday lives: for work, research, communication, planning and record keeping, creative endeavors, or just for keeping in touch with family and friends. Let our classes help you learn how to do what you need to do better, faster and more easily.

Our program can help you:

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

Certificate Programs

Certificate programs in Web Graphics, Network Administration, Programming, and Web Site Design are also available. These certificates are designed for beginners, as well as those with intermediate skills in these areas of study. The courses required for each certificate offer a mix of in-depth theoretical knowledge and real-world experience. Upon completion of any one of these certificates, students should have a good understanding of the basic skills and concepts needed for an entry-level position. See page 50 for certificate information.

Workshops

We offer short and convenient workshops designed to enhance the users' skills in a specific area of interest. These informal workshops give the student more time to interact with the instructor and other students in class. See page 49 for workshop information.

GENERAL COURSE INFORMATION

All computer applications courses are noncredit and do not apply toward any degree programs. Our courses are taught by top-notch professionals who are experts in their fields.

Prerequisites

Prerequisites are listed at the end of each course description. To ensure that you get the most out of the course, **prerequisite(s) should 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

There are two levels of grading depending on the student's purpose for taking the course. The first level is mandatory for anyone seeking to complete one of the certificate programs. Students in this level are assigned a satisfactory (S) or unsatisfactory (U) mark at the end of the course based on their attendance, quizzes, and/or completion of homework assignments. Please note that if your employer is paying for your course, most employers will require that you complete the course with a satisfactory mark. The second level of grading is for students who are not working toward a certificate program, or those who do not need to be assessed a grade. These students will receive a no credit (NC) mark.

If you are working toward a certificate in Web Graphics, Network Administration, Programming, 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 at the end of 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 INFORMATION

Enrollment Limits

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

Classroom Locations

Classroom locations are indicated in 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 Street (at the corner of Arapahoe Avenue and Marine Street)
- University Management Systems (UMS) building on 4780 Pearl East Circle (east of Foothills Parkway on Pearl Street)
- Division of Continuing Education (CEDU) on 1505 University Avenue
- Humanities (HUMN) building on the main CU campus.

Refer to the map on page 57 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.

Course Cancellations

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




Faculty, Staff and Student Discounts

University of Colorado faculty and staff on at least a permanent, half-time appointment and retired faculty and staff may enroll in classes at a 25% tuition discount. Please provide proof of status with the University of Colorado when you register. Students of CU-Boulder, enrolled at least half-time in credit courses, are eligible for a 25% tuition discount. 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. Scholarship awards range up to \$365. Applications are available at Continuing Education or on the Web at www.colorado.edu/conted/scholarships.htm. See web site for application deadline.

Notes

The  symbol next to a course title signifies 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 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.

Course Guide

Title	Course No./ Section	Start Date	End Date	Time	Total Sessions
Applications...Course descriptions begin on page 40					
Windows 2000	CAAP 2131-500	02/02/04	02/05/04	9 a.m.-2:30 p.m.	2
Microsoft Word	CAAP 2201-500	02/11/04	02/18/04	9 a.m.-2:30 p.m.	2
Microsoft Excel Level I	CAAP 2301-500	02/23/04	02/23/04	9 a.m.-4 p.m.	1
Microsoft Excel Level II	CAAP 3301-500	02/26/04	02/26/04	9 a.m.-4 p.m.	1
Microsoft Access Level I	CAAP 2401-500	02/09/04	02/12/04	9 a.m.-4 p.m.	2
Database Design Concepts	CAAP 4501-500	03/02/04	03/09/04	9 a.m.-4 p.m.	2
Relational Database Concepts and SQL Programming	CAAP 4502-500	03/01/04	04/12/04	6 p.m.-9 p.m.	6
Graphics...Course descriptions begin on page 41					
Computer Art	CAGR 1021-500	01/27/04	01/29/04	6 p.m.-9 p.m.	2
Introduction to Graphic Design	CAGR 1121-500	01/24/04	01/24/04	9 a.m.-5 p.m.	1
Introduction to Photoshop	CAGR 2111-500	01/21/04	01/28/04	9 a.m.-4 p.m.	2
Introduction to Photoshop	CAGR 2121-500	02/24/04	03/16/04	6 p.m.-9 p.m.	4
Professional Photoshop for the Web	CAGR 3121-500	03/31/04	04/21/04	6 p.m.-9 p.m.	4
Introduction to Adobe Illustrator	CAGR 2211-500	03/03/04	03/10/04	9 a.m.-4 p.m.	2
Multimedia Solutions	CAGR 3421-500	02/05/04	02/26/04	6 p.m.-9 p.m.	4
Macromedia Fireworks	CAGR 3511-500	02/23/04	03/15/04	6 p.m.-9 p.m.	4

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

Title	Course No./ Section	Start Date	End Date	Time	Total Sessions
Networking...Course descriptions begin on page 42					
Introduction to Networks	CANW 1001-500	01/21/04	02/11/04	6 p.m.-9 p.m.	4
Computer Systems Overview and Architecture	CANW 3103-500	01/26/04	02/16/04	6 p.m.-9 p.m.	4
Operating Systems	CANW 4102-500	03/02/04	04/13/04	6 p.m.-9 p.m.	6
Introduction to Windows Server Administration	CANW 2201-500	02/26/04	03/18/04	6 p.m.-9 p.m.	4
Intermediate Windows Server Administration	CANW 3201-500	04/01/04	04/29/04	6 p.m.-9 p.m.	5
Introduction to UNIX	CANW 2301-500	01/27/04	02/17/04	6 p.m.-9 p.m.	7
Intermediate UNIX	CANW 3301-500	03/02/04	04/06/04	6 p.m.-9 p.m.	5
Programming...Course descriptions begin on page 43					
Introduction to Programming	CAPR 1001-500	01/24/04	02/10/04	9 a.m.-4 p.m.	6
Introduction to Application Programming	CAPR 2201-500	02/26/04	04/22/04	6 p.m.-9 p.m.	8
Introduction to Object-Oriented Programming in C++	CAPR 2102-500	01/20/04	02/24/04	6 p.m.-9 p.m.	6
Intermediate/Advanced C++ Programming	CAPR 4101-500	03/02/04	04/27/04	6 p.m.-9 p.m.	8
Introduction to Object-Oriented Programming Using Java	CAPR 2601-500	01/13/04	02/24/04	6 p.m.-9 p.m.	7
Java for Object-Oriented Experienced Programmers	CAPR 3601-500	03/02/04	04/20/04	6 p.m.-9 p.m.	7
Advanced Java Programming Language Topics	CAPR 4604-500	01/13/04	02/24/04	6 p.m.-9 p.m.	7
Java Server Pages 2.0	CAPR 5607-500	01/12/04	02/09/04	6 p.m.-9 p.m.	4
Object-Oriented Design Patterns	CAPR 5401-500	04/17/04	04/17/04	9 a.m.-4 p.m.	1
Object-Oriented Analysis and Design	CAPR 5402-500	04/02/04	04/03/04	9 a.m.-5 p.m.	2
Introduction to Hands-On Visual Basic Programming	CAPR 2301-500	01/14/04	02/11/04	6 p.m.-9 p.m.	5
Intermediate Hands-On Visual Basic Programming	CAPR 3301-500	02/21/04	03/06/04	9 a.m.-4 p.m.	3
Visual Basic .NET Programming Concepts	CAPR 4301-500	04/03/04	04/17/04	9 a.m.-4 p.m.	3
Introduction to PERL for Programmers	CAPR 2701-500	02/18/04	03/17/04	6 p.m.-9 p.m.	5
Extensible Markup Language (XML)	CAPR 3701-500	03/11/04	04/08/04	6 p.m.-9 p.m.	4
Technical Tour of .NET and C#	CAPR 3703-500	04/24/04	04/24/04	9 a.m.-4 p.m.	1
Web...Course descriptions begin on page 46					
Design Techniques for Web Sites	CAWB 3101-500	02/03/04	02/17/04	6 p.m.-9 p.m.	3
Web Server Administration	CAWB 3102-500	01/13/04	01/22/04	6 p.m.-9 p.m.	4
Introduction to Hypertext Mark-up Language (HTML)	CAWB 2301-501	01/28/04	02/25/04	6 p.m.-9 p.m.	5
Introduction to Hypertext Mark-up Language (HTML)	CAWB 2301-502	02/10/04	03/09/04	6 p.m.-9 p.m.	5
Intermediate Hypertext Mark-up Language (HTML)	CAWB 3301-500	03/16/04	04/06/04	6 p.m.-9 p.m.	3
Advanced Hypertext Mark-up Language (HTML)	CAWB 4301-500	04/19/04	04/29/04	6 p.m.-9 p.m.	4
Introduction to Programming With JavaScript	CAWB 2701-500	01/26/04	02/23/04	6 p.m.-9 p.m.	5
Intermediate/Advanced JavaScript Programming	CAWB 3703-500	03/04/04	04/15/04	6 p.m.-9 p.m.	6
Introduction to Motion Graphics Using Flash MX	CAWB 2511-500	01/26/04	02/16/04	6 p.m.-9 p.m.	4
Intermediate Motion Graphics Using Flash MX	CAWB 3512-500	02/25/04	03/31/04	6 p.m.-9 p.m.	5
Advanced Motion Graphics Using Flash MX	CAWB 4511-500	04/07/04	04/28/04	6 p.m.-9 p.m.	4
Dreamweaver MX	CAWB 2611-501	02/23/04	03/15/04	6 p.m.-9 p.m.	4
Dreamweaver MX	CAWB 2611-502	04/05/04	04/26/04	6 p.m.-9 p.m.	4
ColdFusion MX	CAWB 2811-500	02/02/04	02/19/04	6 p.m.-9 p.m.	6
Introduction to Hypertext Preprocessor (PHP)	CAWB 2911-500	01/29/04	02/26/04	6 p.m.-9 p.m.	5
Web Site Design Project	CAWB 9001-500	03/29/04	04/26/04	6 p.m.-9 p.m.	5
Workshops...Course descriptions begin on page 49					
Workshop: Build Your Own Access Database	CAAP 0000-512	04/14/04	04/28/04	9 a.m.-2:30 p.m.	2
Workshop: Tips and Tricks for Microsoft Office	CAAP 0000-511	03/15/04	03/18/04	9 a.m.-12 p.m.	2
Workshop: Extreme Programming	CAPR 0000-511	03/05/04	03/05/04	9 a.m.-4 p.m.	1

APPLICATIONS

Windows 2000**CAAP 2131**

Learn how to set up your computer so the files and programs you need are at your fingertips. Topics covered include the basics required for working with any program (like Word, Excel, Access, and Power Point); the file structure (where your files are), the various screen elements and how to customize your screens; customizing your computer; file management; periodic computer maintenance; installing and uninstalling programs; securing your computer; and how to protect your work by creating backups. **Prerequisite: Fundamental knowledge of basic computer functions.**

Chris Mattson, BS

Section 500: Monday and Thursday, February 2 and 5, 9 a.m.-2:30 p.m. 2 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$289.

Microsoft Word**CAAP 2201**

This course is designed for those who are new to Microsoft Word or who are familiar with it, but would like to know ways to make the program work more efficiently for them. Topics will include: turning the automatic features of Word on or off (automatic formatting will be explained in detail); learning about in-depth character, paragraph, and document formatting techniques; keyboard shortcuts, tabs, indents, line spacing, page breaks, page numbers, header/footers, borders and shading; making shortcuts for inserting often-used text and graphics; printing options, print preview, page setups; and much more. Students will have a clear understanding of the MS Word methods and concepts when finished with this course. **Prerequisite: Proficiency with PCs and the Windows Operating System.**

Chris Mattson, BS

Section 500: Wednesdays, February 11 and 18, 9 a.m.-2:30 p.m. 2 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$289.

Microsoft Excel Level I**CAAP 2301**

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.**

Chris Mattson, BS

Section 500: Monday, February 23, 9 a.m.-4 p.m. 1 session. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$226.

Microsoft Excel Level II**CAAP 3301**

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, and linking Excel data to other Windows programs using OLE as well as the database capabilities.

Prerequisite: CAAP 2301 Microsoft Excel Level I or equivalent.

Issy Kilbride

Section 500: Thursday, February 26, 9 a.m.-4 p.m. 1 session. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$226.

Microsoft Access Level I**CAAP 2401**

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.**

Issy Kilbride

Section 500: Monday and Thursday, February 9 and 12, 9 a.m.-4 p.m. 2 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$368.

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. **Prerequisite: CAAP 2401 Microsoft Access Level I** or equivalent and a good working knowledge of the Windows operating system. A basic understanding of Excel is recommended.

Chris Mattson, BS

Section 500: Tuesdays, March 2 and 9, 9 a.m.-4 p.m. 2 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$368.

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 2401 Microsoft Access Level I** or equivalent. **Required text: Oracle SQL Interactive Workbook**, 2nd edition, Alice Rischert.

Jennie Elliott, MA

Section 500: Mondays, March 1-April 12 (skip March 22), 6-9 p.m. 6 sessions. University Management Systems 101. \$405.

GRAPHICS

Computer Art CAGR 1021

Spray cans, paint brushes, and buckets of paint appear and disappear. And no mess to clean up when you're done! Discover electronic graphic design with object-oriented and bit-mapped design capabilities. With training in laser printing plus instruction in aesthetics of electronic imaging, you'll be ready to make your own camera-ready images. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite: Fundamental knowledge of basic computer functions.**

Barry Ratliff, MFA

Section 500: Tuesday and Thursday, January 27 and 29, 6-9 p.m. 2 sessions. Humanities 1B35. \$206.

Introduction to Graphic Design CAGR 1121

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

Rick Hoyt, MA

Section 500: Saturday, January 24, 9 a.m.-5 p.m. 1 session. Humanities 1B35. \$235.

Introduction to Photoshop CAGR 2111

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

Jerry Reynolds, MSEE

Section 500: Wednesdays, January 21 and 28, 9 a.m.-4 p.m. 2 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$353.

Introduction to Photoshop CAGR 2121

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

Tim Meehan

Section 500: Tuesdays, February 24-March 16, 6-9 p.m. 4 sessions. Humanities 1B35. \$353.



The Continuing Education program offers many courses that can help people both in their current jobs and to get better jobs.

Freelance graphic artist Lauren di Scipio took Brandon Bermans' Flash class so she would have more to offer her clients.

She thoroughly enjoyed the class, found Brandon to be enthusiastic, knowledgeable, and approachable, and said, "I would take it again in a flash."

Professional Photoshop 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 optimizing web graphics; creating web page backgrounds; slicing; creating local and remote rollovers; making GIF animations; generating image maps; and more. This course is taught in a Macintosh lab; however, the applications – Photoshop and ImageReady – are consistent on both the PC and Macintosh platforms. **Prerequisite: CAGR 2111/2121 Introduction to Photoshop** or equivalent. **Required text: *Photoshop 7 ImageReady Hands-On Training*, Weinman and Kabili.**

Jan Kabili, MFA

Section 500: Wednesdays, March 31-April 21, 6-9 p.m. 4 sessions. Humanities 1B35. \$353.

(Graphics continued)

Engineer Armando Lopez took Brandon Berman's Flash class to expand his computer skills, because he "likes the thought of working from home," which he could potentially do with more IT expertise. He liked the class so much, he's already recommended it to coworkers. And, "as an older guy, Continuing Education classes are an easy, non-threatening way to keep your mind active and maybe find a job that's a bit more fun."

Introduction to Adobe Illustrator CAGR 2211

Adobe Illustrator supports many file formats for exporting files for web publishing or to page layout programs for print production. Illustrator graphics are the primary components of animation on web pages. Learn to create and edit lines and shapes, combine them into full color illustrations, and add stunning text effects. Also, learn to integrate Adobe Photoshop images into your illustrations created in Illustrator. **Prerequisite:** CAGR 1021 **Computer Art** or equivalent. **Required text:** *Foundation Illustrator 10*, Loader and Huggins.

Jerry Reynolds, MSEE

Section 500: Wednesdays, March 3-10, 9 a.m.-4 p.m. 2 sessions. University Management Systems 101. \$368.

Multimedia Solutions

CAGR 3421

This class introduces the types of equipment and technical considerations used in multimedia productions for CD-ROM and web delivery. The class will explore and be motivated by viewing world-class productions. There will be hands-on practice with graphic animation authoring software. This course is taught in a Macintosh lab; however, the applications are consistent on both the PC and Macintosh platforms. **Prerequisite:** CAGR 1021 **Computer Art** or equivalent. **Required text:** *Multimedia: Making It Work*, Tay Vaughan.

William Busch

Section 500: Thursdays, February 5-26, 6-9 p.m. 4 sessions. Humanities 1B35. \$353.

Macromedia Fireworks

CAGR 3511

Fireworks combines graphic design with advanced web page production. It is a comprehensive tool that works with vector and bitmap graphics, exports optimized images, and produces interactive web pages. Fireworks also integrates well with Dreamweaver and Flash. In this course, you will use Fireworks to create your own images, apply special effects, build JavaScript rollover buttons, and export web pages into Dreamweaver. **Prerequisite:** CAGR 1021 **Computer Art** or equivalent.

Brandon Berman, MA

Section 500: Mondays, February 23-March 15, 6-9 p.m. 4 sessions. University Computing Center 127. \$300.

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 presents an overview of current network systems available on both Windows and Macintosh-based systems for small to medium-sized businesses. **Prerequisite:** Proficiency with PCs and the Windows operating system.

Nate Abrens, BA

Section 500: Wednesdays, January 21-February 11, 6-9 p.m. 4 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$315.

Computer Systems Overview and Architecture CANW 3103

This lecture-based course introduces the fundamentals of computer organization and 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:** Knowledge of basic computing operations and terminology.

Dave Bodnar, MS

Section 500: Mondays, January 26-February 16, 6-9 p.m. 4 sessions. University Computing Center 123. \$315.



Operating Systems CANW 4102

This lab-based technical course deals with the four major networking operating systems. Hands-on labs will cover installation of Windows, Mac O/S (9.1 demo), Red Hat Linux, and UNIX SVR4 (Solaris 8 demo); basic network setup; and "How To" use common troubleshooting and performance utilities to maintain these systems. **Prerequisites:** CANW 1001 *Introduction to Networks and CANW 3103 Computer Systems Overview and Architecture* or equivalent.

Jon Louie

Section 500: Tuesdays, March 2-April 13 (skip March 23), 6-9 p.m. 6 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$473.

Introduction to Windows Server Administration CANW 2201

This technical hands-on course focuses on basic Windows 2000 administration. You will learn installation and configuration of Windows 2000 Professional and Server in a small office environment. Topics include: user accounts, group accounts, file sharing, printer resources, maintenance, and administration of the Windows 2000 server environment to include performance and network monitoring. Legacy systems and their interoperability with Active Directory; NT 4.0, and Windows 98 will be reviewed. We will also cover Windows Server 2003 and its basic administration. **Prerequisite:** CANW 4102 *Operating Systems* or equivalent. **Required text:** *Windows 2000 The Complete Reference*, Ivens and Gardinier.

*Rory Millard, MA,
Microsoft Certified Systems Engineer*

Section 500: Thursdays, February 26-March 18, 6-9 p.m. 4 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$462.

Intermediate Windows Server Administration CANW 3201

This course expands on the topics covered in the introductory course by focusing on what it takes to plan, evaluate, and maintain a larger scale multi-server environment using Domains, Trusts, and multiple servers. We will also examine Remote Access Service, Terminal Services, and other network components. Students will learn the migration strategies from Windows NT 4.0 to Windows 2000 and Server 2003. The importance of security, basic firewall technologies, and virus protection will also be covered.

Prerequisite: CANW 2201 *Introduction to Windows Server Administration* or equivalent.

Required text: *Windows 2000 The Complete Reference*, Ivens and Gardinier.

*Rory Millard, MA,
Microsoft Certified Systems Engineer*

Section 500: Thursdays, April 1-29, 6-9 p.m. 5 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$473.

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 some 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, MBA

Section 500: Tuesdays and Thursdays, January 27-February 17, 6-9 p.m. 7 sessions. University Computing Center 127. \$551.

Intermediate UNIX CANW 3301

Create your own tools or do system administration. In this course, advanced use of commands are covered, including creating and executing shell programs, start-up files, variables, parameters, simple and multiple case branching, loops, signal handling, testing file attributes, plus some ingenious little-known features. **Prerequisite:** CANW 2301 *Introduction to UNIX* or equivalent.

Craig McBride, MBA

Section 500: Tuesdays, March 2-April 6 (skip March 23), 6-9 p.m. 5 sessions. University Computing Center 127. \$504.

PROGRAMMING

Introduction to Programming CAPR 1001

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

Charry Stover, MS

Section 500: Saturdays, January 24 and February 7, 9 a.m.-4 p.m.; Mondays, January 26 and February 9, 6-9 p.m.; and Tuesdays, January 27 and February 10, 6-9 p.m. 6 sessions. Hellems 255. \$551.



(Programming continued)

Introduction to Application Programming CAPR 2201

This is a more intensive introduction to programming course covering the techniques used in designing common algorithms to solve practical problems. Topics include flow of control, functions with parameter passing, data structures, abstract data types, objects, classes, arrays and file I/O. The course combines a lecture and self-paced laboratory format with hands-on programming using C++.

Prerequisite: Strong computer skills are necessary and some programming experience and/or introductory programming coursework in any language is recommended, but not required. **Recommended text:** *Problem Solving With C++*, Savitch.

Steve Kaminski, MSEE

Section 500: Thursdays, February 26-April 22 (skip March 25), 6-9 p.m. 8 sessions. University Management Systems 101. \$551.

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

C++ is an extension of the C language that supports object-oriented (O-O) programming. This course will focus on the essential concepts underlying O-O programming (data abstraction, encapsulation, polymorphism) and will show how these are supported in C++ (classes and objects, public and private data and function members, inheritance, virtual functions). This lecture-based course will also cover features of C++ that are not directly related to O-O programming (constants, references, initialization, function and operator overloading, default arguments, constructors, destructors, friends, and inline functions). **Prerequisite:** CAPR 2201 *Introduction to Application Programming* or equivalent. **Recommended text:** *Thinking in C++, Volume 1: Introduction to Standard C++*, 2nd Edition, Bruce Eckel.

James Elliott, MS

Section 500: Tuesdays, January 20-February 24, 6-9 p.m. 6 sessions. Ketchum 234. \$499.

Intermediate/Advanced C++ Programming CAPR 4101

This lecture-based course covers advanced topics in C++ programming: the nature, benefits, and perils of abstract base classes, static class members, type safety, object ownership, friend access, references, casts, namespaces, operator overloading, multiple inheritance, templates, exceptions, and the standard C++ library. **Prerequisite:** CAPR 2102 *Introduction to Object-Oriented Programming in C++* or equivalent. **Recommended text:** *Thinking in C++, Volume 1: Introduction to Standard C++*, 2nd Edition, Bruce Eckel.

James Elliott, MS

Section 500: Tuesdays, March 2-April 27 (skip March 23), 6-9 p.m. 8 sessions. Humanities 145. \$551.

Introduction to Object-Oriented Programming Using Java CAPR 2601

This lecture-based course introduces object-oriented programming to programmers familiar with procedural programming, but not object-oriented concepts. Focus is on the essential concepts underlying O-O programming (data abstraction, inheritance and polymorphism) and how these are supported in Java. **Prerequisites:** CANW 3103 *Computer Systems Overview and 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 Meier, MS

Section 500: Tuesdays, January 13-February 24, 6-9 p.m. 7 sessions. Humanities 145. \$551.

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.

Tom Cargill, PhD

Section 500: Tuesdays, March 2-April 20 (skip March 23), 6-9 p.m. 7 sessions. Humanities 335. \$551.

Advanced Java Programming Language Topics CAPR 4604

This lecture-based course covers a variety of advanced Java topics including threading and synchronization, the I/O library, serialization, remote method invocation, Java's database connectivity, and some of the following as time permits: network library, inner classes, reflection, Java native interfaces, or Corba. **Prerequisite:** CAPR 3601 *Java for Object-Oriented Experienced Programmers* or equivalent.

David Rodenbaugh, BA

Section 500: Tuesdays, January 13-February 24, 6-9 p.m. 7 sessions. Humanities 335. \$551.



Java Server Pages 2.0

CAPR 5607

JSP 2.0 brings important new features to the presentation component of J2EE programming. These features make JSPs significantly easier to use and they allow for a clean separation of request processing and presentation. This course covers the new features for JSP 2.0 including: the Expression Language, the JSP Standard Tag Library (JSTL), and Custom Tags. The final section covers new architectural considerations, best practices, features to avoid, and how JSPs fit into a well-designed J2EE web application. **Prerequisites:** CAPR 3601 Java for Object-Oriented Experienced Programmers and experience in J2EE servlet and JSP programming, or CAPR 5602 Developing Web Applications in Java.

Geoff Thompson, MS

Section 500: Mondays, January 12-February 9 (skip January 19), 6-9 p.m. 4 sessions. Humanities 145. \$353.

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.

Paul Jensen, MS

Section 500: Saturday, April 17, 9 a.m.-4 p.m. 1 session. University Computing Center 123. \$221.

Object-Oriented Analysis and Design

CAPR 5402

This course 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, you 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.

Paul Jensen, MS

Section 500: Friday and Saturday, April 2 and 3, 9 a.m.-5 p.m. 2 sessions. University Computing Center 123. \$495.

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:** CAAP 2131 Windows 2000 or CAAP 2141 Windows XP or equivalent.

David Nelson, BSEE

Section 500: Wednesdays, January 14-February 11, 6-9 p.m. 5 sessions. University Computing Center 127. \$473.



Carol Park is well on her way to getting her certificate in web design from the Continuing Education program. She recently took Brandon Berman's Flash class and loved it. "I've taken a lot of classes, and you can tell when a teacher is connecting with students. Brandon was great." Carol is gaining more computer skills not only to learn more, but to have more to offer an employer – not a bad idea in an uncertain economy!

Intermediate Hands-On Visual Basic Programming

CAPR 3301

This course is intended for students who have completed the Introduction to Hands-on Visual Basic Programming course, or have the equivalent practical experience. The course will cover a wide range of topics. The goal of the course is to expose a beginning programmer to the possibilities of using Visual Basic in modern applications. Most major elements of the language are covered and concepts of component-oriented applications are introduced. **Prerequisite:** CAPR 2301 Introduction to Hands-On Visual Basic Programming or equivalent.

Steve Kaminski, MSEE

Section 500: Saturdays, February 21-March 6, 9 a.m.-4 p.m. 3 sessions. University Computing Center 127. \$525.



(Programming continued)

Many Computer Applications students hope to use their newfound skills soon after acquiring them, but Steve Bailey was able to put his Flash knowledge to work immediately at his job. He took Brandon Berman's class and is planning to take the next two Flash classes in the curriculum. "It's a powerful, up-and-coming technology. Plus, Brandon's a great teacher."

Visual Basic .NET Programming Concepts CAPR 4301

This course introduces the concepts of the Visual Basic .NET programming language and its role within the .NET framework to students who are familiar with Visual Basic Version 6.0. Topics will include: the basics of the VB .NET language; the general strategy of .NET applications; object-oriented programming in VB .NET; using ADO .NET to access data; and an overview of using VB .NET to implement web applications and web services. There will also be a session on strategies for transitioning existing Visual Basic 6.0 applications to VB .NET. **Prerequisite:** CAPR 3301 **Intermediate Hands-On Visual Basic Programming** or equivalent.

Steve Kaminski, MSEE

Section 500: Saturdays, April 3-17, 9 a.m.-4 p.m. 3 sessions. University Computing Center 127. \$525.

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** 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).

Peter Janett

Section 500: Wednesdays, February 18-March 17, 6-9 p.m. 5 sessions. Humanities 1B45. \$473.

Extensible Markup Language (XML) CAPR 3701

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

Gregory Holling, BS

Section 500: Thursdays, March 11-April 8 (skip March 25), 6-9 p.m. 4 sessions. Continuing Education Center 140. \$436.

Technical Tour 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.

Gregory Holling, BS

Section 500: Saturday, April 24, 9 a.m.-4 p.m. 1 session. Humanities 370. \$189.

W E B

Design Techniques for Web Sites CAWB 3101

Learn what it takes to create web 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.

Prerequisites: Fundamental knowledge of the Windows operating system and familiarity with the Web.

Brandon Berman, MA

Section 500: Tuesdays, February 3-17, 6-9 p.m. 3 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$226.



Web Server Administration

CAWB 3102

If you'd like to become a web server administrator on Windows and/or UNIX systems, this class is for you. Topics will cover a broad range of web server software administration issues such as security, virtual hosting, logging, SSL encryption, and middle ware installation of programs such as PERL, PHP, ColdFusion, ASP, CGI, etc. The class will center around common web server setup and maintenance issues and how to perform them using both Windows-based IIS and UNIX-based Apache web servers. We'll also touch on other web-related topics such as FTP, E-mail, and DNS (Domain Name System) setups.

Prerequisite: Familiarity with the Web and basic knowledge of the Windows and/or UNIX operating systems. Knowledge of HTML highly recommended but not required.

Peter Janett

Section 500: Tuesdays and Thursdays, January 13-22, 6-9 p.m. 4 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$353.

Introduction to Hypertext Mark-up Language (HTML)

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. In addition, you will learn how to FTP your web site and publish it. **Prerequisite:** Proficiency with PCs and the Windows operating system. An HTML reference book is recommended.

Beth Sigren, BS

Section 501: Wednesdays, January 28-February 25, University Management Systems 101.

Ginny Figlar, MA

Section 502: Tuesdays, February 10-March 9, Humanities 1B45.

All Sections: 6-9 p.m. 5 sessions. \$353.

Intermediate Hypertext Mark-up Language (HTML)

CAWB 3301

This course builds on the skills learned in 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 be able to implement all the skills covered in the Introduction to HTML course with minimal assistance. An HTML reference book is recommended.

Brandon Berman, MA

Section 500: Tuesdays, March 16-April 6 (skip March 23), 6-9 p.m. 3 sessions. Humanities 1B45. \$265.

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, BA

Section 500: Mondays and Thursdays, April 19-29, 6-9 p.m. 4 sessions. Humanities 1B45. \$353.

Introduction to Programming with JavaScript

CAWB 2701

Learn the fundamentals of programming using JavaScript. Topics include basic programming concepts such as variables, functions, loops, objects, and more – covered in a hands-on, step-by-step fashion using JavaScript. Class will focus on the language in terms of extending the functionality of a web page. This course assumes no previous high-level programming experience. **Prerequisite:** CAWB 4301 **Advanced HTML** or equivalent.

Susan Walanski, BA

Section 500: Mondays, January 26-February 23, 6-9 p.m. 5 sessions. Humanities 1B45. \$353.

Intermediate/Advanced JavaScript Programming

CAWB 3703

This course begins with a review of concepts/topics covered in the introductory course. We will revisit functions, objects, loops, and arrays in greater detail to write more powerful and elegant scripts like form field validation and browser detection. We'll also discuss how to write a JavaScript program from beginning to end, tips and tricks of the programming trade, and get you on the road to professional JavaScript programming for web sites. **Prerequisite:** CAWB 2701 **Introduction to JavaScript** or equivalent.

Susan Walanski, BA

Section 500: Thursdays, March 4-April 15 (skip March 25), 6-9 p.m. 6 sessions. Humanities 1B45. \$425.

Introduction to Motion Graphics Using Flash MX

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 and create basic animations and 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 2211/2221 **Illustrator Level I** or equivalent. **Recommended text:** *Flash MX Hands-On Training*, Weil and Green.

Brandon Berman, MA

Section 500: Mondays, January 26-February 16, 6-9 p.m. 4 sessions. University Computing Center 127. \$353.

(Web continued)

Intermediate Motion Graphics Using Flash MX

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** or equivalent. **Recommended text:** *Flash MX Hands-On Training*, Weil and Green.

Brandon Berman, MA

Section 500: Wednesdays, February 25-March 31 (skip March 24), 6-9 p.m. 5 sessions. University Computing Center 127. \$409.

Advanced Motion Graphics Using Flash MX

CAWB 4511

If you already have a good understanding of the basics of Flash, but want to learn how to put it all together, this is the course for you! In this project-based course, you will learn how to create an integrated presentation or web site entirely in Flash. Topics include loading text from an external text file, making text scrollable, dragging objects, working with video, animating menus, creating volume sliders, and more. Students will be given the freedom to create a site of their own design. Come to the first class with a rough story board of what you would like to create.

Prerequisite: CAWB 3512 **Intermediate Motion Graphics Using Flash** or equivalent.

Brandon Berman, MA

Section 500: Wednesdays, April 7-28, 6-9 p.m. 4 sessions. University Computing Center 127. \$409.

Dreamweaver MX

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.

Tim Meehan

Section 501: Mondays, February 23-March 15.

Required text: *Macromedia Dreamweaver MX: Training from the Source*, Kristine Annwn Page.

Jeff Braunstein, MS

Section 502: Mondays, April 5-26.

Required text: *Dreamweaver MX for Windows and Macintosh: Visual Quickstart Guide*, J. Tarin Towers.

All Sections: 6-9 p.m. 4 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$353.

ColdFusion MX

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 2401 **Microsoft Access Level I** or equivalent and familiarity with web terminology and web server characteristics. **Required text:** *ColdFusion MX*, Danesh, Motlagh and Camden.

Jeff Braunstein, MS, Macromedia Certified Advanced ColdFusion Developer

Section 500: Mondays and Thursdays, February 2-19, 6-9 p.m. 6 sessions.

Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$499.

Introduction to Hypertext Preprocessor (PHP)

CAWB 2911

Learn how to create dynamically-driven web pages using PHP – a widely-used Open Source scripting language especially suited for web development. You will learn how to create your own web applications, such as filling out web forms, database searches, shopping carts, and more. Come see why PHP is the most popular Open Source scripting language used today. **Prerequisite:** CAWB 2301

Introduction to HTML or equivalent, and familiarity with web terminology and web server characteristics. Knowledge of databases or SQL helpful but not required.

Peter Janett

Section 500: Thursdays, January 29-February 26, 6-9 p.m. 5 sessions. Humanities 1B45. \$263.

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.

Brandon Berman, MA

Section 500: Mondays, March 29-April 26, 6-9 p.m. 5 sessions. University Computing Center 127. \$394.

The Computer Applications Program offers workshops based on interests and requests from students. Workshops are very informal and give the student more time to interact with the instructor and other students in class. These workshops are designed to enhance the user's skills in a specific area of interest.

All workshops are noncredit and do not apply toward any of our certificate programs. Call 303-492-6596 if you would like us to offer a workshop that is not listed below.

Workshop: Tips and Tricks for Microsoft Office

CAAP 0000

Discover fast and easy ways to access frequently used programs and files. Learn how to use some of Office's handy features, such as: make the automatic functions work only when you want; customize your toolbars, menus, and keyboard shortcuts; create macros to complete regular tasks for you; use WordArt and lots of other drawing options; and find out many more tips and tricks that the instructor has collected over 20 years of teaching and working with Microsoft products. **Prerequisite: CAAP 2131 Windows 2000** or equivalent.

Issy Kilbride

Section 511: Monday and Thursday, March 15 and 18, 9 a.m.-12 p.m. 2 sessions. Continuing Education Center 1B40 (if you require ADA accommodation, you must contact Continuing Education at least two weeks prior to the start date). \$225.

Workshop: Build Your Own Access Database

CAAP 0000

If you are in the process of creating your own database using Microsoft Access and don't know where to begin or how to end, this workshop is designed for you. It will provide an opportunity to get help on issues regarding your specific database. Be prepared to spend time working on your project in this informal workshop setting. Bring a concept, a design, or files you have already been working on and the instructor will work with you to make your program work efficiently and error-free. Familiarity with table design, data types, creating basic queries, and knowledge of basic form and report design are requirements for this workshop. Enrollment is limited to only six students so the instructor can give attention to each individual and his/her specific needs. **Prerequisite: Some Access experience or background.**

Issy Kilbride

Section 512: Wednesdays, April 14 and 28 (skip April 21), 9 a.m.-2:30 p.m. 2 sessions. University Management Systems 101. \$355.

Workshop: Extreme Programming

CAPR 0000

Extreme programming (XP) is a technique for small development teams to quickly develop quality software in the face of rapidly changing requirements. It is a lightweight methodology that challenges many of the sacred cows of software development. In this workshop, you will become more comfortable with the extreme programming methodology and with the more general concept of agile methodologies. The best way to learn about XP is to experience it, so we will spend a fair amount of the workshop time setting up a simulated extreme programming project, and developing a small software application. **Prerequisite: Students should be comfortable writing code in either Java or C++, and should be ready to challenge their basic assumptions about the way software should be written. Recommended text: *Extreme Programming Explained: Embrace Change*, Kent Beck.**

Gregory Holling, BS

Section 511: Friday, March 5, 9 a.m.-4 p.m. 1 session. University Computing Center 127. \$198.

Certificate Programs

We offer certificate programs in Web Graphics, Network Administration, Programming, and Web Site Design. 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 that field. **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 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.** 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 to cecas@colorado.edu or to the Computer Applications Program, Division of Continuing Education, University of Colorado at Boulder, 178 UCB, Boulder, CO 80309-0178.

CERTIFICATE IN PROGRAMMING

In this world of ever-changing technology, programmers are constantly needed to develop better applications for everything imaginable. If you like working with computers and solving problems, a career in programming may be for you. Our Programming Certificate can help you build the foundation necessary to get into this exciting field.

For successful completion of this certificate, you must take the required introductory courses in Option 1 or 2 (A), the required courses in the C++ or Java tracks (B), and one elective topics course (C). 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. Introductory Courses

Choose One of the Following Two Options

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

CAPR 1001 Introduction to Programming
 CAPR 2201 Introduction to Application Programming
 CAPR 3201 Intermediate Application Programming
 CAPR 3202 Algorithm Design

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

CAPR 2201 Introduction to Application Programming
 CAPR 3201 Intermediate Application Programming
 CAPR 3202 Algorithm Design

B. Choose One of Two Tracks

1. C++ Track (all courses required)

CAPR 2102 Introduction to Object-Oriented Programming in C++
 CAPR 4101 Intermediate/Advanced C++ Programming
 CAPR 5401 Object-Oriented Design Patterns
 CAPR 5402 Object-Oriented Analysis and Design

2. Java Track (all courses required)

CAPR 2601 Introduction to Object-Oriented Programming Using Java
 CAPR 3601 Java for Object-Oriented Experienced Programmers
 CAPR 4604 Advanced Java Programming Language Topics
 One Java Topics Course
 One Design Topics Course

C. Choose one elective Topics course not already taken for the track requirements

Topics Courses (Not all topics are offered every term.)

Java Topics

CAPR 4603 Enterprise Java Beans (EJB) Overview
 CAPR 5601 GUI Programming in Java
 CAPR 5602 Developing Web Applications in Java
 CAPR 5603 Java Servlets
 CAPR 5604 Network-Embedded Java Programming
 CAPR 5605 Java Internationalization
 CAPR 5607 Java Server Pages 2.0

Design Topics

CAPR 5401 Object-Oriented Design Patterns
 CAPR 5402 Object-Oriented Analysis and Design

Visual Basic Topics

CAPR 2301 Introduction to Hands-On Visual Basic Programming
 CAPR 3301 Intermediate Hands-On Visual Basic Programming
 CAPR 4301 Visual Basic .NET Programming Concepts

PERL Topics

CAPR 2701 Introduction to PERL for Programmers
 CAPR 3702 PERL for Web Application Programming

Database Design Topics

CAAP 4501 Database Design Concepts
 CAAP 4502 Relational Database Concepts and SQL Programming

Other Topics

CAPR 3701 Extensible Markup Language (XML)
 CAPR 5501 Introduction to Software Project Management
 CAPR 3703 Technical Tour of .NET and C#
 CAPR 3704 Web Services and Simple Object Access Protocol (SOAP)

CERTIFICATE IN NETWORK ADMINISTRATION

Looking to start a new career in a technical field? Like helping people solve their computer problems? Then maybe network administration is for you! Networking is an integral part of today's business environment. In our courses, experts will guide you through the program as you gain in-depth theoretical knowledge and hands-on practical experience in the field of network administration. Upon completion of this certificate, you will have a solid understanding of the skills and knowledge necessary to become a network administrator.

To successfully complete this certificate, you must take all the required core courses in Option 1 or 2 (A), one programming course (B), and one database course (C). Option 1 is designed for students with little or no networking background. To begin the certificate with Option 2, you must have taken CANW 1001, 3103, and 4102, or have had equivalent background or training in these areas. **To determine your level, take our online test at compapps.colorado.edu/tests.htm.**

A. Required Core Courses

Choose One of the Following Two Options

Option 1 – Introductory Level

(for those with little or no networking background)

1. Core Courses (all are required)

- CANW 1001 Introduction to Networks
- CANW 3103 Computer Systems Overview and Architecture
- CANW 4102 Operating Systems
- CANW 5402 Local and Wide Area Networking Topics
- CANW 2201 Introduction to Windows Server Administration
- CANW 2301 Introduction to UNIX
- CANW 5101 Network Administration

2. Elective (choose one)

- CANW 3201 Intermediate Windows Server Administration
- CANW 3301 Intermediate UNIX

Option 2 – Intermediate Level

(for those with some networking background)

Core Courses (all are required)

- CANW 5402 Local and Wide Area Networking Topics
- CANW 2201 Introduction to Windows Server Administration
- CANW 3201 Intermediate Windows Server Administration
- CANW 2301 Introduction to UNIX
- CANW 3301 Intermediate UNIX
- CANW 4401 Security Essentials and Network Design
- CANW 5101 Network Administration
- CANW 5301 UNIX System Administration

B. Programming Course (choose one)

(See page 43 for course listings)

C. Database Course (choose one)

- Any Microsoft Access database course
- CAAP 4501 Database Design Concepts
- CAAP 4502 Relational Database Concepts and SQL Programming

CERTIFICATE IN WEB GRAPHICS

Do you want to create great-looking web sites or improve the look of an existing site? Then earn a certificate in web graphics! With our hands-on classes, you will use the latest technologies to create and optimize clean, quick-loading images that will add originality and excitement to any site. You will learn how to manipulate graphics from start to finish for use on the Web in multiple formats. This is a great opportunity to start your portfolio and add graphics to your skills set. Also, consider the Certificate in Web Site Design to complement your Web Graphics Certificate.

To earn this certificate, you must complete the seven core courses (A), two of the listed electives (B), and the capstone Web Graphics Project course (C). 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 required)

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

B. Electives (choose two)

- CAGR 3421 Multimedia Solutions
- CAGR 3511 Macromedia Fireworks
- CAWB 3512 Intermediate Motion Graphics Using Flash
- CAWB 4511 Advanced 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 WEB SITE DESIGN

Enter the innovative and challenging field of web site design! Whether you are looking for a career change, advancing your current position, or just wanting to do something for fun, learning how to design web sites will help you get there. The Web has become such an integral part of our everyday lives that learning the skills of a web designer will give you advantages, no matter what you do. All classes are hands-on and taught by web design professionals. Upon completion of the certificate, you will be able to confidently design your own web sites using some of the latest technologies available. Also, consider the Certificate in Web Graphics to complement your Web Site Design Certificate.

To earn this certificate, you must complete the five required core courses (A, B), one multimedia course (C), one graphics course (D), two elective courses (E), and the capstone Web Site Design Project course (F). 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 four courses listed below are required and must be taken in sequence

CAWB 2301 Introduction to HTML

CAWB 3301 Intermediate HTML

CAWB 4301 Advanced HTML

CAWB 2701 Introduction to Programming with JavaScript

B. Other Required Core Course

CAWB 3101 Design Techniques for Web Sites

C. Multimedia Elective (choose one)

CAGR 3321 Macromedia Director Shockwave Studio

CAGR 3421 Multimedia Solutions

CAWB 2611 Dreamweaver*

CAWB 2511 Introduction to Motion Graphics Using Flash*

CAWB 3512 Intermediate Motion Graphics Using Flash*

CAWB 4511 Advanced Motion Graphics Using Flash*

* *Note: CAWB 2611, CAWB 2511, CAWB 3512 and CAWB 4511 cannot be used to fulfill the Multimedia Elective if you are already taking one of these courses to fulfill the Web Course Elective.*

D. Graphics Elective (choose one)

CAGR 2111/2121 Introduction to Photoshop

CAGR 3111/3121 Professional Photoshop for the Web

CAGR 2211/2221 Introduction to Adobe Illustrator

CAGR 3511 Macromedia Fireworks

E. Web Course Elective (choose two)

CAWB 3102 Web Server Administration

CAWB 3703 Intermediate/Advanced JavaScript Programming

CAWB 2911 Introduction to Hypertext Preprocessor (PHP)

CAWB 2811 ColdFusion

CAWB 2611 Dreamweaver*

CAWB 2511 Introduction to Motion Graphics Using Flash*

CAWB 3512 Intermediate Motion Graphics Using Flash*

CAWB 4511 Advanced Motion Graphics Using Flash*

* *Note: CAWB 2611, CAWB 2511, CAWB 3512 and CAWB 4511 cannot be used to fulfill the Web Course Elective if you are already taking one of these courses to fulfill the Multimedia Elective.*

F. 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

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

THE INTERNATIONAL ENGLISH CENTER, IEC, offers an intensive, full-time program for international students; evening classes in English as a second language for community residents or interested visitors from other countries; and effective writing courses for ESL graduate students. The IEC is located at 1030 13th Street.

EVENING COURSES

Courses are six weeks in length and are offered five times a year. Students should have at least a high school education.

Beginning Level

NCIE 6100

For students who speak in simple sentences, have a limited vocabulary, understand some (not necessarily all) of what is said, and are familiar with the present tense (but may have some difficulty with other tenses).

Spring I Session: Mondays and Wednesdays, January 21-March 3, 6:30-8:30 p.m. Tuition: \$345, materials included.

Spring II Session: Mondays and Wednesdays, March 17-May 5, 6:30-8:30 p.m. Tuition: \$345, materials included.

Intermediate Level

NCIE 6200

For students who have more than a basic vocabulary, understand much of what is said, can use basic verb tenses effectively, can read a variety of materials but experience some difficulty, and need guidance in writing.

Spring I Session: Mondays and Wednesdays, January 21-March 3, 6:30-8:30 p.m. Tuition: \$345, materials included.

Spring II Session: Mondays and Wednesdays, March 17-May 5, 6:30-8:30 p.m. Tuition: \$345, materials included.

Advanced Level

NCIE 6300

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.

Spring I Session: Mondays and Wednesdays, January 21-March 3, 6:30-8:30 p.m. Tuition: \$345, materials included.

Spring II Session: Mondays and Wednesdays, March 17-May 5, 6:30-8:30 p.m. Tuition: \$345, materials included.

Effective Pronunciation

NCIE 6400

For intermediate to advanced level students who want to understand and control the sounds of American English, want to be more easily understood, and want to practice and improve difficult sounds.

Spring I Session: Tuesdays, January 20-March 2, 6-8:30 p.m. Tuition: \$225, materials included.

Spring II Session: Tuesdays, March 16-May 4, 6-8:30 p.m. Tuition: \$225, materials included.

Writing Skills

NCIE 6500

For high-intermediate to advanced level students who wish to work on general writing skills and grammar; need help with academic or business writing, reports, essays, letters, and other essential writing needs; and would like a better understanding of formal and informal writing.

Spring I Session: Tuesdays, January 20-March 2, 6-8:30 p.m. Tuition: \$225, materials included.

Spring II Session: Tuesdays, March 16-May 4, 6-8:30 p.m. Tuition: \$225, materials included.

ONLINE WRITING INSTRUCTION FOR ESL GRADUATE STUDENTS

These online noncredit modules provide instruction in writing skills and techniques required of students in master's and doctoral degree programs in the U.S. Content is suitable both for graduate students who use English as a Second Language (ESL) as well as for any student who needs to improve his or her writing for coursework and thesis writing at the graduate level. Students work through the online study guide and complete one to two assignments that receive comment and evaluation by the online instructor. Each module must be completed within 60 days. Tuition is \$60 per module.

Module 1 – Graduate Writing: Description, Summary, and Abstract NCIE 7100-143

Explains description in academic writing and distinguishes different types of summaries and abstracts. Covers principles and strategies for clear and effective descriptive writing with practice through two assignments.

Module 2 – Graduate Writing: Persuasion, Analysis, and Argument NCIE 7100-144

Covers the organization and rhetorical aspects of analysis and argument, providing examples and web links to resources for writing persuasive documents. Concludes with practice through two assignments.

Module 3 – Graduate Writing: Prospectus/Proposal NCIE 7100-145

Introduces the role of the prospectus, or academic proposal, in the thesis or dissertation project. Covers principles, pointers, and strategies in prospectus writing, including a focus on the literature review. Concludes with an assignment to outline a prospectus for the student's thesis or dissertation.

Module 4 – Graduate Writing: Research and Citations NCIE 7100-146

Principles and strategies for researching the literature, previewing and evaluating sources, creating citations for in-text and end-text references and annotated bibliographies, with practice through two assignments.

ENGLISH AS A SECOND LANGUAGE FOR DEGREE STUDENTS

The International English Center offers non-intensive courses in English as a Second Language (ESL) that are designed to be taken concurrently by graduate and undergraduate degree students who need further work in the language. Nondegree students may also enroll with the appropriate level of English proficiency. For further information, please visit the web site at www.colorado.edu/iec/new/ESLG.html or call 303-492-5547.



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

Center for Business Education

THE CENTER FOR BUSINESS EDUCATION (CBE) is a partnership between the University of Colorado at Boulder's Division of Continuing Education and the Leeds School of Business. We are proud to offer:

EXECUTIVE EDUCATION

50 for Colorado, a leadership development program, offers 50 individuals each year the opportunity to come together to learn, experience, network, and transfer knowledge about critical elements of the Colorado economy. The *50 for Colorado* program attracts current and emerging Colorado leaders who wish to study, discuss, and evaluate issues involving the business, government, and economic environment of Colorado. *50 for Colorado* offers participants, in both business and social settings, direct contact with a wide spectrum of businesses, institutions, and people who are shaping Colorado. Sessions are held one to two days a month over a ten-month time frame. *50 for Colorado* begins each year in January. Prospective participants must be nominated. Nominations are accepted through September for the following year's program.

Colorado Executive Development in Residence, CEDIR, 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 their functional knowledge of business, receive exposure to the latest management ideas, and learn to be more productive employees. A participant can choose to complete one to four of the twelve courses conducted each summer. Upon successful completion of the twelve courses, participants will receive a Certificate in Executive Management. Executives from market-leading companies including IBM, Level 3 Communications, and Sun Microsystems have participated in past years. *CEDIR will be offered July 20-30, 2004.*

Custom Business Programs can be developed to meet the specific needs of any business and its employees. Access the extensive resources of the Leeds School of Business. Clients can choose location, format, length, and more.

UNDERGRADUATE PROGRAM

CU Business Intensive Certificate, CUBIC, is an excellent opportunity for non-business juniors and seniors from any accredited higher education institution. CUBIC allows participants to obtain a solid understanding of fundamental business practices, acquire skills that will guide them in their career, and provides business knowledge that will enhance their undergraduate studies. The six subjects covered by classes offered in this program include: accounting, finance, marketing, economics, management, and an elective – personal finance or computer applications. Upon successful completion of this three-week, noncredit program, students receive a Certificate in Applied Business. *CUBIC will be offered May 10-28, 2004.*

PROFESSIONAL DEVELOPMENT

Real Estate Appraisal Program offers appraisal courses to students who would like to enter the appraisal profession, increase licensure levels, and mandatory continuing education for those already in the field.

If you are looking for a career change, sign up for the Registered Appraiser courses. A Registered Appraiser is an apprentice-level appraiser who may do mortgage work under the direct supervision of a licensed or certified appraiser. After completing a minimum state required 75 hours of appraisal education and training courses, including 15 hours of ethics and standards of practice, you must pass the State Level A licensing exam. The courses that we offer to fulfill the classroom requirements are NCRE 200 (48 hours), NCRE 202 (16 hours), and NCRE 204 (32 hours).

We also offer courses that fulfill state mandated education requirements for the higher levels of appraisal licensure. A Licensed Appraiser primarily appraises one to four-unit residential properties, and may be accepted for all assignments (including land and commercial) where the loan amount is \$250,000 or less. A Certified Residential Appraiser may be accepted to appraise one to four-unit residential properties, regardless of loan amount or complexity; any nonresidential property up to a \$250,000 loan amount; and certain other assignments in supervised situations. A Certified General Appraiser may be accepted to appraise any property type or any loan amount.

A **Certificate in Project Management** is offered by the Center for Business Education in association with the Pittsburg Project Management Center. The certificate program consists of six focused courses in project management. After completing the program, students receive a Certificate in Project Management from the University of Colorado, Leeds School of Business. The seventh course in the program, PMP Examination Preparation, is offered for those seeking to take the Project Management Institute's Project Management Professional certification exam.

Project Management Essentials

January 20 and 21

Project Leadership

February 4 and 5

Project Scope and Quality Management

February 16 and 17

Project Schedule and Cost Management

March 2 and 3

Project Risk and Contract Management

March 16 and 17

Project Human Resource and Communications Management

March 30 and 31

Project Management Professional (PMP) Examination Preparation

April 13 and 14

All courses will be held at the CU Executive Education Center in downtown Denver. The cost is \$995 per course. If you sign up for all seven courses you will receive a 20% discount for a total cost of \$5,572.



For more information on the CBE and its programs please visit the web site at leeds.colorado.edu/cbe or contact us at 303-492-5148.

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 3 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 at www.colorado.edu/conted/certif.htm.

COMPUTER TRAINING SERVICES FOR BUSINESSES

Does your business have computer training needs? Whether it's computer application classes held during the evenings or weekends, customized training, or even computer labs for rent, CU-Boulder can help meet your needs.

The Division of Continuing Education at the University of Colorado at Boulder has been successfully training people in computer technologies since the early 1980s through its Computer Applications Program. Excellent instructors, state-of-the-art computer labs, and reasonable rates make CU's program stand out. Businesses of all types and sizes can capitalize on the expertise and resources at CU-Boulder. So, if your business has a training need, let us be your solution.

Special Offer: Sign up three employees from your business and get the fourth registration free!

For information about any of our services, call 303-492-6596, e-mail cecas@colorado.edu, or visit www.colorado.edu/conted/cts.

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 graduate-level courses. 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/certif.htm.

OUTREACH

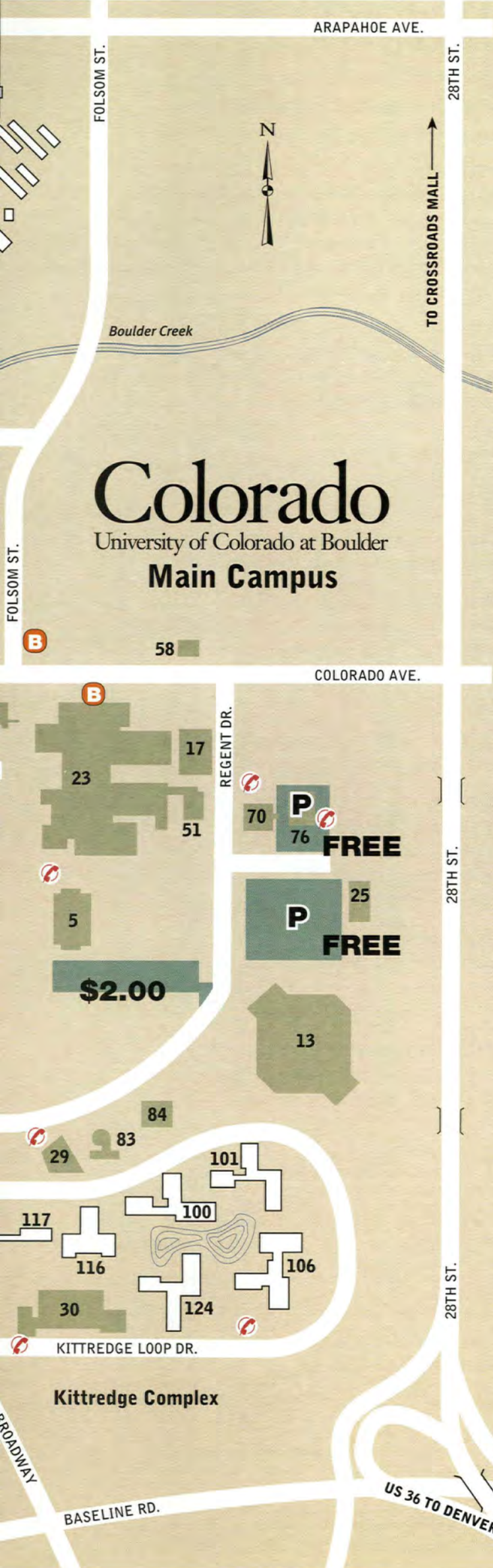
Using a portion of the revenue generated through its credit and noncredit courses, Continuing Education partners with CU-Boulder's Chancellor and Provost to fund the CU-Boulder Outreach Committee. The committee awards funding to faculty projects designed specifically for external audiences that highlight faculty research, creative work, and teaching. Projects feature a wide variety of disciplines, including everything from history, dance, philosophy, and Shakespeare to physics, geology, and engineering.

These activities reach into communities across Colorado and, in some cases, different parts of the world. For example, civil engineering Professor Bernard Amadei applies his research and teaching to enhance the quality of life in villages worldwide. Professor Amadei founded Engineers Without Borders at CU-Boulder, an outreach program dedicated to helping developing countries with their civil and environmental engineering needs. The program also works to give engineering students experiential learning opportunities while increasing their international awareness. Projects are currently underway in Afghanistan, Mali, Mauritania, Belize, Senegal, Rwanda, Haiti, Nicaragua, and Thailand. For more information about Engineers Without Borders, visit their web site at www.ewb-usa.org.

For additional information and a complete list of recent awards, visit the web site at www.colorado.edu/conted/outreach.htm.

*Professor Bernard Amadei
with some of the children
of the village of Zambougou
in Mali, Africa.*





Colorado

University of Colorado at Boulder

Main Campus

University Buildings

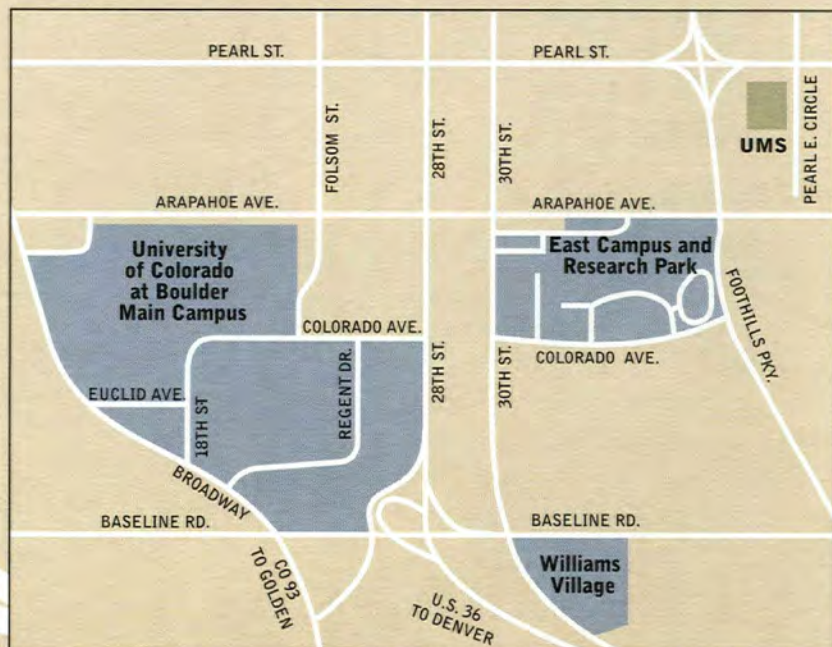
1. Administrative and Research Center—East Campus (J-2) (ARCE)
2. Armory (D-4) (ARMR)
3. Balch Fieldhouse (E-7) (FH)
4. Benson Earth Sciences Building (F-9) (BESC)
- * Bruce Curtis Collections. See *Museum Collections*.
5. Business (H-10) (BUS)
6. Carlson Gymnasium (E-7) (CARL)
7. Center for Astrophysics and Space Astronomy (L-3) (CASA)
8. Clare Small Arts and Sciences (D-6) (CLRE)
- * Charlotte York Irey Studios (F-4). See *University Theatre*.
9. College Inn (B-5) (CICC)
10. Computing Center (J-3) (COMP)
11. Continuing Education (D-4) (CEDU)
12. Cooperative Institute for Research in Environmental Sciences (F-5) (CIRES)
13. Coors Events/Conference Center (I-12) (EVNT)
14. Cristol Chemistry and Biochemistry (G-5) (CHEM)
15. Dal Ward Athletic Center (D-8) (DALW)
16. Denison Arts and Sciences (G-4) (DEN)
17. Discovery Learning Center (F-11) (DLC)
- * Duane Physical Laboratories (F-7). See *Duane Physics and Astrophysics, Gamow Tower, Laboratory for Atmospheric and Space Physics, and Joint Institute for Laboratory Astrophysics*.
18. Duane Physics and Astrophysics (F-7) (DUAN)
19. Eaton Humanities Building (E-5) (HUMN)
20. Economics (F-3) (ECON)
21. Education (G-4) (EDUC)
22. Ekeley Sciences (F-5) (EKLC)
23. Engineering Center (F/G-10/11) (EC)
24. Environmental Design (G-7) (ENVD)
25. Environmental Health and Safety Center (I-2)
26. Euclid Avenue Autopark (G-6) (EPRK)
27. Family Housing Children's Center—Main Offices (A-9) (DACR)
28. Family Housing Children's Center—Colorado Court (L-2)
- * Fine Arts (G-6). See *Sibell Walle Fine Arts*.
29. Fiske Planetarium and Science Center (J-10) (FISK)
30. Fleming Law (K-10) (LAW)
31. Folsom Stadium (E-8) (STAD)
32. Gamow Tower (F-7) (DUAN)
33. Gates Woodruff Women's Studies Cottage (F-3) (COTT)
34. Grounds and Service Center (D-9) (GRNS)
35. Guggenheim Geography (F-3) (GUGG)
36. Hale Science (E-3) (HALE)
37. Health Physics Laboratory (D-9) (HPHY)
38. Helms Arts and Sciences/Mary Rippon Theatre (G-4) (HLMS)
- * Henderson Building (G-4). See *Museum of Natural History*.
39. Housing System Maintenance Center (K-3) (HSMC)
40. Housing System Service Center (J-2) (HSSC)
- * Humanities Building (E-5). See *Eaton Humanities*.
41. Imig Music (H-7) (MUS)
42. Institute for Behavioral Genetics (K-1) (IBG)
43. Institute of Behavioral Science No. 1 (D-2) (IBS1)
44. IBS No. 2 (C-2) (IBS2)
45. IBS No. 3 (D-2) (IBS3)
46. IBS No. 4 (D-2) (IBS4)
47. IBS No. 5 (D-4) (IBS5)
48. IBS No. 6 (C-2) (IBS6)
49. IBS No. 7 (C-2) (IBS7)
50. IBS No. 8 (C-3) (IBS8)
51. Integrated Teaching and Learning Laboratory (G-11) (ITLL)
52. International English Center (G-2) (IEC)
53. Joint Institute for Laboratory Astrophysics (G-7) (JILA)
54. Ketchum Arts and Sciences (F-6) (KTCH)
55. Koenig Alumni Center (E-2) (ALUM)
56. Laboratory for Atmospheric and Space Physics (F-7) (LASP)
57. LASP Space Technology Research Center (L-3) (LSTR)
- * Leeds School of Business (H-10). See *Business*.
58. Lesser House (F-11) (LESS)
- * Life Sciences Laboratories Complex (E-7). See *Muenzinger Psychology, Porter Biosciences, and Ramaley Biology*.
59. Macky Auditorium (D-4) (MCKY)
60. Mathematics Building (F-10) (MATH)
61. MCD Biology (E-7) (MCDB)
62. McKenna Languages (E-4) (MKNA)
63. Muenzinger Psychology (E-7) (MUEN)
64. Museum Collections (G-3) (MCOL)
65. Museum of Natural History, University of Colorado (G-4) (HEND)
- * Music Building (H-7). See *Imig Music*.
66. Norlin Library (F-6) (LIBR)
67. Nuclear Physics Laboratory (K-2) (NPL)
68. Old Main (E-4) (MAIN)
69. Page Foundation Center (D-3) (PFDC)
70. Police and Parking Services (G-12) (PDPS)
71. Porter Biosciences (E-7) (PORT)
72. Power House (F-6) (POWR)
73. Qwest Research Park (L-4) (USW)
74. Ramaley Biology (E-6) (RAMY)
75. Regent Administrative Center (I-8) (RGNT)
76. Regent Drive Autopark (G-12) (RPRK)
77. Research Laboratory, Litman RLL1 (J-1) (LITR)
78. Research Laboratory, WICHE (K-1) (RL2)
79. Research Laboratory, Life Science RL4 (K-1) (LSRL)
80. Research Laboratory (Marine Street Science Center) RL6 (J-2) (MSSC)
81. Research Park Greenhouse (K-1) (GH-3)
82. Sibell Walle Fine Arts (G-6) (FA)
83. Sommers-Bausch Observatory (I-11) (OBSV)

84. Speech, Language, and Hearing Sciences (I-11) (SLHS)
85. Stadium Offices (E-8) (STAD)
86. Stadium Ticket Building (F-9) (STTB)
87. Student Recreation Center (D-6/7) (REC)
88. Sybase (K-3) (SYBS)
89. Telecommunications Building (G-6) (TCOM)
90. Temporary Building No.1 (D-6) (TBO1)
91. Transportation Center (J-2) (TRAN)
92. University Administrative Center and Annex (I-7) (UCTR)
93. University Club (H-6) (CLUB)
94. University Memorial Center (G-5) (UMC)
95. University Theatre (including Charlotte York Irey Studios) (F-4) (THTR)
96. Wardenburg Health Center (H-7) (WARD)
97. Willard Administrative Center—North Wing (H-9) (WCTR)
98. Woodbury Arts and Sciences (E-5) (WDBY)

University Housing

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

University meters are enforced between 7 a.m. and 5 p.m. seven days a week, including Saturdays & Sundays. Additional parking information on the Web, ucbparking.colorado.edu.



Based on map produced by University Communications.

Registration Information

Registration Begins December 1!

1. **Register by Mail.** A postage-paid envelope is located in this catalog. Registration forms are on page 59 for evening credit and page 60 for personal enrichment and computer courses.
2. **Fax Your Registration.** Fast and easy. Day or night to 303-492-3962. Send page 59 for evening credit courses and page 60 for personal enrichment and computer courses.
3. **In Person.** Come to the Continuing Education Office, 1505 University Avenue.
4. **Online** at www.colorado.edu/conted/noncreditapp.htm for noncredit courses including Personal Enrichment and Computer Applications using Visa, MasterCard and Discover.
5. **By Phone for Personal Enrichment and Computer Courses using Visa, MasterCard, and Discover.** Complete the registration form (page 60) and have your credit card information handy. Then call 303-492-5148 or 800-331-2801 (TTY 303-492-8905).
6. **Use PLUS for Boulder Evening and Independent Learning Courses.** See page 17 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.

Office Hours

Spring hours are Monday-Friday 8 a.m.-5 p.m.

The University will be closed Thursday and Friday, November 27 and 28; Thursday and Friday, December 25 and 26; Thursday, January 1; Monday, January 19; and Friday, March 26.

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 publication. 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.

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.

Professional Development Programs

For working professionals to build and enhance business skills.

Course Locations

Course locations are noted at the end of most course descriptions. Many campus parking lots offer \$2.00 parking after 5 p.m. and on Saturdays. Some are free during evenings and weekends. The Campus Map gives both building and parking lot locations. To skip parking altogether, take the RTD bus to campus.

Parking

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

Course Updates

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

Change Your Mind?

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

Student Privacy

You may elect to have directory information withheld about yourself. 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 University Memorial Center on campus. Call 303-492-6411 or visit their web site at cubooks.colorado.edu.

Additional Information

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

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