

CONTINUING EDUCATION & PROFESSIONAL STUDIES



It's all in how you ask.
Grant Writing—p.4

Perfect for every body.
Nutrition, Health, and
Performance—p.9

It's a matter of taste.
Food and Culture—p.14

Back-to-school time.
CU Complete—p.5

Explore more online:
visit conted.colorado.edu
for course updates.

SUMMER '11



Answer **YOUR**
calling.

Kathy

Age 4: Sand Castle Builder

Age 21: Student, *Environment and Society*

What have you always wanted to create...a structure, a work of art, a new way of thinking?

Inside you'll find an inspiring range of course options to help you pursue your passion and earn your degree. With the flexibility of evening, online, and weekend courses, there's nothing that stands between you and what's next.

Achieve your dream today.

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- ACCESS (Available Credit Courses for Eligible Special Students)
- High School Concurrent
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Discover something new.

conted.colorado.edu

2 Professional Development

Courses that help you further develop in your existing professional pursuit or transition into a new direction.



6 Boulder Evening

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



10 Independent Learning

University credit courses via online or correspondence—an excellent solution for disciplined independent learners.



20 Engineering Online

Convenient, flexible education for working professionals seeking master's degrees, graduate-level certificates, and skill-building short courses.



22 International English

English as a second language programs for international students, community residents, or interested visitors from other countries.



24 Science Discovery

An experience-based educational outreach program designed to stimulate scientific interest, understanding, and literacy among Colorado's youth, teachers, and families.



26 Outreach

Projects highlighting faculty research, creative work, and teaching aimed at audiences outside the university community.



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Career Exploration

DAHLIA SMITH

“I believe people ultimately have a desire to make a fulfilling

CONTRIBUTION

during the course of their lives. What better way to do so than through a meaningful career?”

“The workforce has shifted from ‘lifelong career’ to ‘lifelong learning and professional development,’” says Dahlia, who is both a career advisor and an instructor at Continuing Education. “I help people find compatible career choices and set educational goals through self-assessment and self-awareness, as well as understanding employers’ needs. My approach allows people to target their job search for greater success.”

PREPARE FOR WHAT’S NEXT.

Whatever life stage you are in, professional development can help you make that next move. Education is no longer just a stage of life, but something that occurs throughout the course of it. Academic pursuits and career paths evolve, vary, or even change entirely over time, and professional development can help you excel during that transition. Our advisors are here to guide you through the process of determining what’s next, and our courses help ensure you reach that goal successfully.

PROFESSIONAL DEVELOPMENT



Enroll

Visit conted.colorado.edu/enroll/noncredit for complete information or call 303-492-5148.

Refunds

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 Continuing Education. Only preregistered students may attend class.

Faculty and Staff Discounts

University of Colorado faculty and staff on at least a half-time, permanent 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 enroll. Call 303-492-5148 for more information.

Textbooks

Many of our classes have required textbooks. Information is available at conted.colorado.edu/textbooks or by calling 303-492-5148.

PROFESSIONAL DEVELOPMENT

Grant Writing NCWR 1126

We will address the theory and practice of grant writing within the context of nonprofit fundraising. Class sessions focus on the rhetorical strategies needed to write successful grant proposals and encourage students to practice these strategies. Course topics include audience-centered writing and how to match your program's goals with those of individual grant makers. One class session will be devoted to the research methods used for finding funding sources and for finding demographic data in government databases, which will help put your nonprofit programs in context and make them more compelling. In later class sessions students are encouraged to bring drafts of a grant proposal to class for group workshop and discussion. Required textbook is available at the CU Book Store. Class will meet June 1, 8, 15, and 29. No class June 22.

.....
Christine Macdonald, PhD, has been teaching analytical writing at the University of Colorado for ten years. She has worked as a Development Officer for Children's Hospital, Boston, teaches grant writing on the Boulder campus, and has written numerous grants.

Section 100: Wednesdays, June 1, 8, 15, and 29. 6:30-8:30 pm, Humanities 125, 4 sessions. \$290.

Career Exploration Workshop NCLS 1010

Want to discover a career passion? Begin to identify who you are through your interests, values, skills, strengths, and personality type, in addition to exploring how this information relates to a career. We will integrate various methods for self-assessment and tracking career passions. This hands-on class will assist you in finding a career direction that will bring job satisfaction, whether you are making a career change or just beginning to enter the job market. After the class you will have access to the Continuing Education career advisor.

.....
Dahlia Smith, LCSW, is the Career Advisor at Continuing Education and Professional Studies. She has been counseling job seekers and changers for over 14 years.

Section 100: Tuesdays, June 7-28, 5:45-7:45 pm, Continuing Education 140, 4 sessions. \$175.

GRE Prep: Verbal/Analytical Writing NCLS 2010

Think like the folks who write and grade the test. Concentrate better, and read and remember more efficiently. Streamline your sentence completions, analogies, antonyms, and reading comprehension, while mastering a few hundred key GRE vocabulary items. Learn what's involved in the Issue Essay and the Argument Essay, and how to start writing promptly, instead of just sitting there wondering what to do. In class you'll have hands-on practice writing these two essays. This course excels at general strategies as well as at computer-adaptive test (CAT) strategies, including how to modify the computerized testing environment to your advantage. The skills and strategies you learn will help immensely on the GRE, and also in graduate school.

.....
Since 1990, Larry Monke (BS, MA, MEd) has helped hundreds of students earn higher GRE scores, and has taken the GRE a number of times himself, most recently on computer. His other teaching experience includes math, science, English, music, and foreign languages.

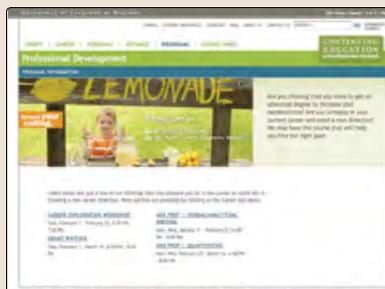
Section 101: Mondays and Wednesdays, June 6-27, 6-8 pm, Hellems 241, 7 sessions. \$190.

GRE Prep: Quantitative NCLS 2010

Gain the courage and skill to tackle these questions – you can get a lot of points. The first two sessions help you master a number of miscellaneous topics, like integers, odds & evens, primes, divisors, comparisons, exponents (positive, negative, fractional), roots, decimals, percents, ratio-and-proportion, averages, graphs & tables, Celsius vs. Fahrenheit, and probability, continually alert for shortcuts. The following two sessions, you concentrate on algebra, including linear equations (the Handy Six-Step Method), algebraic word problems, quadratic equations (with solution by factoring), and complex fractions. In the next two sessions, you learn GRE geometry, especially circles, parallel lines, automatic right angles, coordinate geometry (graphing linear equations using the slope & y-intercept method), and the five most common GRE triangles. Even if you're already good at math, you'll earn a higher score after this!

.....
Since 1990, Larry Monke (BS, MA, MEd) has helped hundreds of students earn higher GRE scores, and has taken the GRE a number of times himself, most recently on computer. His other teaching experience includes math, science, English, music, and foreign languages.

Section 102: Tuesdays and Thursdays, June 7-28, 6-8 pm, Hellems 241, 7 sessions. \$190.



Course updates and additional information are available at conted.colorado.edu/programs/professional-development

CU COMPLETE SERVICE

Jeffrey Ofsanko

“The bulk of credits I was able to take through Boulder Evening and online classes actually made it possible for me to even consider returning to school. I’m a paramedic and I work 24-hour shifts, so it’s hard for me to integrate my school and work schedules. I only have a few windows of time to take classes. Getting my degree would not have been feasible in a traditional setting.”



NOW IS THE TIME TO COMPLETE YOUR DEGREE.

Your degree is closer than you think. CU Complete offers the academic guidance and potential financial support to achieve the CU degree that you started.

Guiding Former Students Toward Completing Their Degrees

CU Complete is a service designed to help former CU-Boulder students complete their degrees at CU.

Our advisors understand the challenges facing the adult student population and can help you create a path toward completing your degree.

If you are ready to work toward completing your degree, please fill out the intake form available at cucomplete.colorado.edu.

CU Complete Scholarship

Continuing Education has allocated \$70,000 in scholarship funds to assist students who are trying to finish their CU bachelor’s degree. Scholarships of either \$500 or \$1,000 are available.

More information is available at cucomplete.colorado.edu.

A graphic showing the cover of a catalog. The text on the cover includes "UNIVERSITY OF COLORADO BOULDER CATALOG", "CONTINUING EDUCATION & PROFESSIONAL STUDIES", and "SUMMER 11". The background of the cover features a photograph of a red brick building on a hillside with mountains in the distance.

Let’s get connected.

Visit conted.colorado.edu/catalogs to be placed on the permanent mailing list.

Art in Contemporary Society
GEORGE RIVERA

“Artists are the visual historians of their time, offering
COMMENTARY
on their own personal experience as they interpret
what is going on around them. Art reflects the
current values and attitudes of a society.”

“While this class focuses on contemporary American art produced in the last decade, I also believe we need to be global citizens,” says George. “Artists can no longer think of themselves in reference to one country. Sharing art is a way of sharing understanding of the world and the human condition we all have in common.”

TAKE CREDIT FOR LEARNING

Use our evening courses to make significant progress toward a degree or to acquire a career-advancing skill without taking time away from the rest of your busy life. You can start a degree, finish one, enhance your employability, experiment with returning to college, or supplement your current on-campus course load. It all depends on you.

Boulder Evening credits are just like those awarded on main campus. Grades count toward your GPA. And your transcript doesn't distinguish between evening and daytime courses. Talk with one of our advisors today.

Eligibility

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

If you are considering applying to CU-Boulder as a degree student in the future, meet with a Continuing Education academic advisor to learn about your academic options. We want to help you be successful at the University

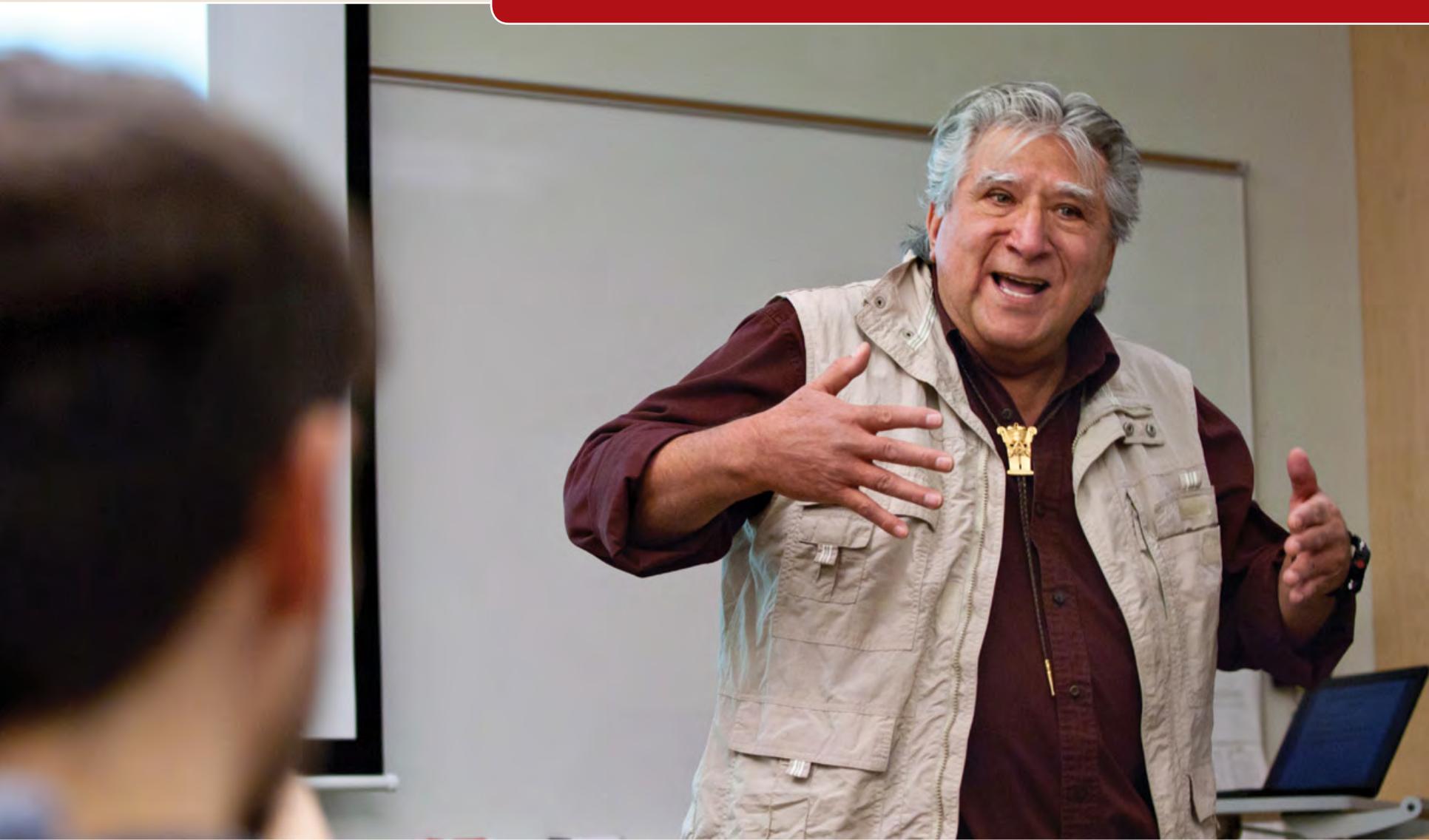
of Colorado and meet your academic goals. Requirements for admission vary by your status (freshman, transfer, second-degree student), so set up an academic advising appointment before you enroll in classes. If you are under age 22, please bring copies of your high school transcript, any college transcripts, and your SAT or ACT scores to your advising appointment. For more information about admission procedures and registration status, call Continuing Education at 303-492-5148.

Colorado Benefits and Legal Presence

Colorado law requires that Continuing Education verify that students receiving in-state tuition, the College Opportunity Fund, and some types of financial aid are legally present in the United States. This applies to students in the ACCESS, Boulder Evening, Applied Music, Individualized Instruction, Engineering Management (on-campus), and Telecommunications (on-campus) programs. You can verify your legal presence in one of three ways:

1. Complete an affidavit in person at Continuing Education or the CU-Boulder Registrar's Office. You will need to bring an approved photo ID to complete the affidavit.
2. Complete and submit the Free Application for Federal Student Aid (FAFSA) at www.fafsa.ed.gov or the College Opportunity Fund (COF) application at cof.college-assist.org.
3. Download the PDF at registrar.colorado.edu/students/pdf/affadavit_verifying_citizenship.pdf. Mail the completed and notarized form to Continuing Education.

BOULDER EVENING



If you do not verify your presence you will be reclassified as a nonresident of Colorado and charged the higher nonresident tuition.

Adding and/or Dropping Courses

Complete information on enrolling and dropping, along with deadlines, can be found on page 8. If you don't officially withdraw from a course, you may receive a grade of *F* for that course and you may be liable for any tuition and fees.

If you do not attend your course regularly during the first week through the last day to drop (see page 8), you *may* be administratively dropped. Check with your instructor or contact Continuing Education for additional information.

Tuition

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

Tuition is determined by your residency.

Resident tuition

\$250 per credit hour

Nonresident tuition

\$1,012 per credit hour

The Division will charge the resident tuition rate for Boulder Evening when a nonresident student pays for six or more credit hours through the Boulder campus and then enrolls for additional Boulder Evening courses. A full tuition schedule is available at conted.colorado.edu/student-resources/accounting/ceps-tuition.

Some courses requiring special equipment or materials may be slightly higher.

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. For additional information, please contact our classification coordinator at 303-492-5148.

Final Exams and Grades

Final exams are held the last day of the class. See the list of courses by start date on page 9. Final grades will be available at mycuinfo.colorado.edu approximately two weeks after a class ends. If you need an official transcript, visit the registrar's office website at registrar.colorado.edu/students/transcripts.html for information.

Faculty and Staff Discounts

University of Colorado faculty and staff on at least a half-time, permanent appointment and retired faculty and staff may enroll in classes at a 50% tuition discount. Please provide proof of status when you enroll.

Student Fees

Boulder Evening students have the option of paying student fees for use of the Recreation Center, Wardenburg Student Health Center, etc. including purchasing an RTD bus pass. Visit conted.colorado.edu/student-resources/accounting for information.

IMPORTANT DATES—SUMMER 2011

Session I – Section 100 (5 weeks)

Full Session – Section 300 (8 weeks)

March 14: Boulder Evening registration through MyCUInfo begins 7 am–midnight. Registration is also available by mail, fax, or in person at the Continuing Education Center, 1505 University, 8 am–5 pm Monday through Friday.

April 29: Deadline to apply for Nontraditional Student Scholarship.

May 30: University Closed.

May 31: Section 100 and 300 Boulder Evening classes begin.

June 7: 4:30 pm deadline to enroll, request *pass/fail* status, or drop Section 100 and 300 classes with a 100% refund. Withdrawals after this date will appear as a *W* on student’s academic record and must be received in writing.

June 8: Instructor’s signature required to withdraw from Section 100 and 300 classes.

June 14: 4:30 pm deadline to withdraw from Section 100 and 300 classes with a 60% refund.

June 15: Tuition for Section 100 and 300 classes due.

June 21: 4:30 pm deadline to withdraw from Section 100 and 300 classes with a 40% refund.

June 22: Petition required to withdraw from Section 100 and 300 classes.

Petition Forms available at Continuing Education.

June 30: Last day of classes and final exams for Section 100.

July 4: University closed and no evening classes.

July 21: Last day of class and final exam for Section 300.

Session II – Section 200 (5 weeks)

March 14: Boulder Evening registration through MyCUInfo begins 7 am–midnight. Registration is also available by mail, fax, or in person at the Continuing Education Center, 1505 University, 8 am–5 pm Monday through Friday.

April 29: Deadline to apply for Nontraditional Student Scholarship.

May 30: University closed.

July 4: University closed.

July 5: Section 200 Boulder Evening classes begin.

July 12: 4:30 pm deadline to enroll, request *pass/fail* status, or drop from Section 200 classes with a 100% refund. Withdrawals after this date will appear as a *W* on student’s academic record and must be received in writing.

July 13: Instructor’s signature required to withdraw from Section 200 classes.

Tuition for Section 200 classes due.

July 19: 4:30 pm deadline to withdraw from Section 200 classes with a 60% refund*.

July 26: 4:30 pm deadline to withdraw from Section 200 classes with a 40% refund*.

July 27: Petition required to withdraw from Section 200 classes.

Petition Forms available at Continuing Education.

August 4: Last day of classes and final exams for Section 200.



Bradley Ehrlich

Public Speaking

“My instructor is one of the greatest teachers I’ve ever had. She makes her lessons appeal to us personally and thinks about things from a student’s perspective. I feel public speaking is something everyone needs to strengthen, and this teacher is dedicated to helping us succeed.”

BOULDER EVENING

COURSES BY START DATE

Course No.–Hours	Sec.	Class No.	Times	Course Title	Core Tuition	Resident
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SESSION I – SECTION 100 (5 WEEKS)

Tuesday and Thursday courses begin May 31 and end June 30

*ARTH 3109-3	100	14511	6-9 pm	Art in Contemporary Society	none	\$825
*ECON 2010-4	100	17549	6-9 pm	Principles of Microeconomics	contemporary societies	\$1,000
*ENGL 1191-3	100	14529	5:30-8:30 pm	Introduction to Creative Writing	none	\$750
*ENGL 1800-3	100	14530	6-9 pm	American Ethnic Literatures	human diversity	\$750
*MATH 2510-3	100	17551	6-9 pm	Introduction to Statistics	none	\$750
*PSCI 3061-3	100	17269	6-8:30 pm	State Government and Politics	United States context	\$750
*WRWG 3020-3	100	17552	6-9 pm	Topics in Writing	written communication	\$750

Tuesday, Wednesday, and Thursday course begins May 31 and ends June 30

SPAN 3001-3	100	14517	6-9 pm	Spanish Conversation	none	\$750
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SESSION II – SECTION 200 (5 WEEKS)

Tuesday and Thursday courses begin July 5 and end August 4

*ARTH 1300-3	200	14510	6-9 pm	History of World Art 1	literature and the arts	\$825
*ARTH 4929-3	200	14522	6-8 pm	Special Topics in Art History: Russian Avant-Garde	none	\$825
*CLAS 1140-3	200	14513	6-8 pm	Bread and Circuses: Society and Culture in the Roman World	historical context	\$750
*ECON 2020-4	200	17550	6-9 pm	Principles of Macroeconomics	contemporary societies	\$1,000
*IPHY 3420-3	200	14523	6-9 pm	Nutrition, Health, and Performance	natural science	\$776
*RLST 2500-3	200	14514	6-8 pm	Religions in the United States	United States context or ideals and values	\$750
*SOCY 4121-3	200	14515	6-8 pm	Sociology of Religion	ideals and values	\$750
*WRWG 3020-3	200	17553	6-9 pm	Topics in Writing	written communication	\$750

Tuesday, Wednesday, and Thursday course begins July 5 and ends August 4

SPAN 2110-3	200	14516	6-9 pm	Second-Year Spanish 1	foreign language	\$770
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FULL SESSION – SECTION 300 (8 WEEKS)

Tuesday, Wednesday, and Thursday course begins May 31 and ends July 21

ARTS 2171-3	300	14512	5-8:15 pm	Photography 1	none	\$975
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Course descriptions are available at
conted.colorado.edu/evening

Environment and Society

LAURA PATTERSON

“Through environmental sociology we learn how people deal with the environment and how they
PERCEIVE
environmental problems.”

“As a teacher, it is really rewarding to watch my students’ eyes open to new ways of seeing the world,” says Laura. “I ask my online students to write essays on the class topics that resonate with them. I want to see that they understand the issue, that they have thought about it, and interpreted it. I want them to share their viewpoints on the issue.”

THE ULTIMATE IN FLEXIBILITY WITH CU QUALITY.

You call the shots – by deciding when, where, and how you learn.

Independent Learning lets you start your study any time of the year. You can complete courses over the Internet or through the mail; choose from self-paced classes that you complete according to your calendar; or term-based classes that follow the semester calendar. Online classes allow rich interaction with your instructor and other students.

Think of the possibilities. You can earn extra credit toward your degree, enhance and develop your job skills, prepare for a career change, or just satisfy your curiosity - all at your own convenience.

INDEPENDENT LEARNING



So, it's up to you to challenge yourself and to decide how you want to take a course. Complete course descriptions and additional information are available at conted.colorado.edu/independent or call 303-492-5148.

If you are considering applying to CU-Boulder as a degree student in the future, meet with a Continuing Education academic advisor to learn about your academic options. We want to help you be successful at the University of Colorado and meet your academic goals. Requirements for admission vary by your status (freshman, transfer, second degree student), so set up an academic advising appointment before you register for classes. If you are under age 22, please bring copies of your high school transcript, any college transcripts, and your SAT or ACT scores to your advising appointment. Advising appointments can be held by phone or in person. To make an appointment online and explore your options visit conted.colorado.edu/student-resources. For more information about admission procedures and registration status, call Continuing Education at 303-492-5148.

Faculty and Staff Discounts

University of Colorado faculty and staff on at least a half-time appointment are eligible for a 20% discount on most courses with the exception of the Writing and Rhetoric courses.

Course Information

These University of Colorado credit classes are approved by the individual departments and are offered in three formats:

Correspondence Courses by Mail

These courses are self-paced, allowing you up to a year to finish your course work (one-year extensions are also available). Follow a printed study guide and professor-student communication is conducted by regular mail and e-mail.

Self-paced Online Courses

Like correspondence courses, self-paced online courses allow you up to 6 months to finish and can be extended for another 6 months. All course communications are conducted online. Many of these courses involve online interaction among students and a broad range of web activities.

Term-based Online Courses

Term-based online courses follow a fixed calendar so that all students will be on the same schedule and can regularly interact with each other online.

Independent Learning also offers:

Applied Music

Private and small group for-credit music instruction with the Applied Music program (see page 19).

Individualized Instruction

For special cases when a student needs a course that is unavailable (talk to your advisor or call 303-492-5148 for more information).

TERM-BASED ONLINE COURSES

These courses are offered on a term basis in order to provide rich interaction with your instructor and the other students in the course. 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.

TERM-BASED COURSES BY START DATE

Course No.–Hours	Section	Class No.	Course Title	Core	Tuition
Session IL 3 – 10 weeks: May 31 – August 5					
COMM 2500-3	581	14276	Interpersonal Communication	none	\$918
COMM 3610-3	581	14279	Communication, Technology, and Society	none	\$918
ENGL 1600-3	581	14281	Masterpieces of American Literature	literature and the arts	\$918
ENGL 1800-3	581	14282	American Ethnic Literatures	human diversity	\$918
ENGL 2000-3	581	14283	Literary Analysis	none	\$918
ENGL 2010-3	581	14284	Introduction to Literary Theory	none	\$918
ENGL 3060-3	581	14413	Modern and Contemporary Literature	literature and the arts	\$918
ENGL 3060-3	582	14414	Modern and Contemporary Literature	literature and the arts	\$918
ENGL 3246-3	581	14415	Topics in Popular Culture: Literature of the American West	none	\$918
ENGL 3665-3	581	14419	American Literature after 1860	none	\$918
ENGL 4245-3	581	14420	American Novel 2	none	\$918
ENVD 4365-3	581	14543	Special Topics: Technology and Practice-Structures I	none	\$918
ENVD 4365-3	582	14544	Special Topics: Technology and Practice-Structures II	none	\$918
GEOG 4501-3	581	14421	Water Resources and Water Management of Western United States	none	\$918
GEOG 5501-3	581	14422	Water Resources and Water Management of Western United States	none	\$1,149
GEOL 1010-3	581	14423	Introduction to Geology	natural science	\$918
HIST 1010-3	581	14424	Western Civilization 1: From Antiquity to the 16th Century	historical context	\$918

IMPORTANT DATES FOR TERM-BASED ONLINE COURSES

Summer 2011

	Session IL 3 (10 weeks)	Session IL 4 (8 weeks)	Session IL 1 (5 weeks)	Session IL 2 (5 weeks)
Registration Begins	March 14	March 14	March 14	March 14
Course Begins	May 31	May 31	May 31	July 5
4:30 pm deadline to enroll, add your name to a wait list, request pass/fail status, or drop with a 100% refund. *†	June 7	June 7	June 7	July 12
4:30 pm deadline to drop with a 60% refund.	June 14	June 14	June 14	July 19
Tuition Due	June 15	June 15	June 15	July 13
4:30 pm deadline to drop with a 40% refund.	June 21	June 21	June 21	July 26
Course Ends	August 5	July 22	July 1	August 5

* Withdrawals from classes after this date will appear as a W on your academic record and must be received in writing.

† Petition required to add classes after this date. Petition Forms documenting extenuating circumstances are available at Continuing Education.

INDEPENDENT LEARNING

Course No.–Hours	Section	Class No.	Course Title	Core	Tuition
HIST 1020-3	581	14425	Western Civilization 2: 16th Century to the Present	historical context	\$918
HIST 1123-3	581	14426	Introduction to British History since 1660	historical context	\$918
JOUR 4301-3	581	14428	Media Ethics and Professional Practice	none	\$918
JOUR 5301-3	581	14429	Media Ethics and Professional Practice	none	\$1,149
MATH 1011-3	581	14430	Fundamentals and Techniques of College Algebra	quantitative reasoning and mathematical skills	\$918
MATH 1012-3	581	14431	Quantitative Reasoning and Mathematical Skills	quantitative reasoning and mathematical skills	\$918
MATH 1071-3	581	14432	Finite Mathematics for Social Science and Business	quantitative reasoning and mathematical skills	\$918
MATH 1081-3	581	14453	Calculus for Social Science and Business	quantitative reasoning and mathematical skills	\$918
MATH 1150-4	581	14454	Precalculus Mathematics	quantitative reasoning and mathematical skills	\$1,224
MATH 2510-3	581	14455	Introduction to Statistics	none	\$918
MUEL 2752-3	581	14456	Music in American Culture	United States context	\$918
NRSC 2100-4	581	14457	Introduction to Neuroscience 1	none	\$1,224
PHIL 1000-3	581	14459	Introduction to Philosophy	ideals and values	\$918
PHIL 1400-3	581	14461	Philosophy and the Sciences	natural science	\$918
PHIL 2200-3	581	14462	Major Social Theories	ideals and values	\$918
PHIL 2390-3	581	14463	Philosophy and Psychology	none	\$918
PHIL 3180-3	581	14464	Critical Thinking: Contemporary Topics	critical thinking	\$918
PSCI 1101-3	581	14465	The American Political System	contemporary societies or United States context	\$918
PSCI 2012-3	581	17559	Introduction to Comparative Politics	contemporary societies	\$918
PSCI 2106-3	581	14545	Introduction to Public Policy Analysis	none	\$918
PSCI 4028-3	581	14469	Special Topics: Middle Eastern Politics	none	\$918
SOCY 1021-3	581	14470	United States Race and Ethnic Relations	United States context	\$918
SOCY 2031-3	581	14471	Social Problems	ideals and values	\$918
SOCY 2044-3	581	14472	Crime and Society	none	\$918
SOCY 2077-3	581	14473	Environment and Society	ideals and values	\$918
WRTG 1150-3	581	14474	First-Year Writing and Rhetoric	written communication	\$918
WRTG 1150-3	582	14475	First-Year Writing and Rhetoric	written communication	\$918
WRTG 3007-3	581	14476	Writing in the Visual Arts	written communication	\$918
WRTG 3020-3	585	14481	Topics in Writing: Moral Arguments in Fiction–Gender and Power	written communication	\$918
WRTG 3020-3	586	14482	Topics in Writing: Gender and Sexuality	written communication	\$918
WRTG 3035-3	581	14488	Technical Communication and Design	written communication	\$918
WRTG 3040-3	583	14491	Writing on Business and Society	written communication	\$918

Session IL 4 – 8 weeks: May 31 – July 22

ATOC 1050-3	581	14559	Weather and the Atmosphere	natural science	\$918
COMM 3310-3	581	14277	Principles and Practices of Argumentation	none	\$918
COMM 3320-3	581	14278	Persuasion in Society	none	\$918
ENGL 2717-3	581	14285	Native American Literature	none	\$918
ENGL 3000-3	581	14286	Shakespeare for Nonmajors	literature and the arts	\$918
ENGL 3563-3	581	14417	Early Shakespeare	none	\$918
IPHY 3430-3	581	14427	Introduction to Human Physiology	none	\$918



Course descriptions are available at
conted.colorado.edu/independent

TERM-BASED COURSES BY START DATE (continued)

Course No.–Hours	Section	Class No.	Course Title	Core	Tuition
Session IL 1 – 5 weeks: May 31 – July 1					
WRTG 3020-3	581	14477	Topics in Writing: American Culture	written communication	\$918
WRTG 3020-3	582	14478	Topics in Writing: Food and Culture	written communication	\$918
WRTG 3020-3	583	14479	Topics in Writing: Sports in American Culture	written communication	\$918
WRTG 3020-3	584	14480	Topics in Writing: Environmental Writing	written communication	\$918
WRTG 3030-3	581	14486	Writing on Science and Society	written communication	\$918
WRTG 3040-3	581	14489	Writing on Business and Society	written communication	\$918
WRTG 3040-3	582	14490	Writing on Business and Society	written communication	\$918
WRTG 3090-1	581	14494	Open Topics in Writing: Advanced	none	\$306
Session IL 2 – 5 weeks: July 5 – August 5					
ENGL 3000-3	582	14287	Shakespeare for Nonmajors	literature and the arts	\$918
PHIL 1100-3	581	14460	Ethics	ideals and values	\$918
PSCI 2223-3	581	14467	Introduction to International Relations	contemporary societies	\$918
PSCI 3163-3	581	14468	American Foreign Policy	United States context	\$918
WRTG 3020-3	587	14483	Topics in Writing: Sports in American Culture	written communication	\$918
WRTG 3020-3	588	14484	Topics in Writing: Food and Culture	written communication	\$918
WRTG 3020-3	589	14485	Topics in Writing: Food and Culture	written communication	\$918
WRTG 3020-3	590	15219	Topics in Writing: Blues, Poetry, and Culture	written communication	\$918
WRTG 3030-3	582	14487	Writing on Science and Society	written communication	\$918
WRTG 3040-3	584	14492	Writing on Business and Society	written communication	\$918
WRTG 3040-3	585	14493	Writing on Business and Society	written communication	\$918
WRTG 3090-1	582	14495	Open Topics in Writing: Advanced	none	\$306
WRTG 3090-2	583	14496	Open Topics in Writing: Advanced	none	\$612



Sam Khan

“I am putting myself through school, so I have to work at the same time. I have taken many Continuing Education classes, but the online classes are my favorite because I can study at my own pace. If I had the time, I could read all the chapters and take every test in a few weeks. Or if I had to work a lot, or deal with a family emergency, I could get back to the schoolwork when I was ready.”

INDEPENDENT LEARNING

SELF-PACED COURSES

Course No.–Hours	Section	Class No.	Course Title	Core	Tuition
ANTHROPOLOGY					
ANTH 1030-3	650		Principles of Anthropology 1	none	\$777
ANTH 1040-3	650		Principles of Anthropology 2	none	\$777
ANTH 2010-3	650		Introduction to Physical Anthropology 1	natural science	\$777
ANTH 2020-3	650		Introduction to Physical Anthropology 2	natural science	\$777
ANTH 2070-3	641		Bones, Bodies, and Disease	none	\$777
ANTH 2200-3	650		Introduction to Archaeology	none	\$777
ART AND ART HISTORY					
ARTS 1012-3	640		Drawing for Non-Majors	none	\$777
ARTS 1012-3	650		Drawing for Non-Majors	none	\$777
ASTROPHYSICAL AND PLANETARY SCIENCES					
ASTR 1110-3	640		General Astronomy: The Solar System	natural science	\$777
COMMUNICATION					
COMM 2400-3	642		Discourse, Culture, and Identities	human diversity	\$777
ECOLOGY AND EVOLUTIONARY BIOLOGY					
EBIO 1030-3	641		Biology: A Human Approach 1	natural science	\$777
EBIO 1040-3	641		Biology: A Human Approach 2	natural science	\$777
EBIO 4100-3	640		Advanced Ecology: Tropical Conservation	none	\$777
EBIO 4100-3	641		Advanced Ecology: Wildlife Nutrition	none	\$777
ECONOMICS					
ECON 1000-4	640		Introduction to Economics	contemporary societies	\$1,036
ECON 2010-4	640		Principles of Microeconomics	contemporary societies	\$1,036
ECON 2020-4	640		Principles of Macroeconomics	contemporary societies	\$1,036
ECON 3403-3	640		International Economics and Policy	contemporary societies	\$777
ECON 4111-3	640		Money and Banking Systems	none	\$777
EDUCATION					
EDUC 3621-3	640		Art for the Elementary Teacher	none	\$777
EDUC 3621-3	651		Art for the Elementary Teacher	none	\$777
EDUC 4161-3	640		Children's Literature	none	\$777



Course descriptions are available at
conted.colorado.edu/independent

SELF-PACED COURSES (continued)

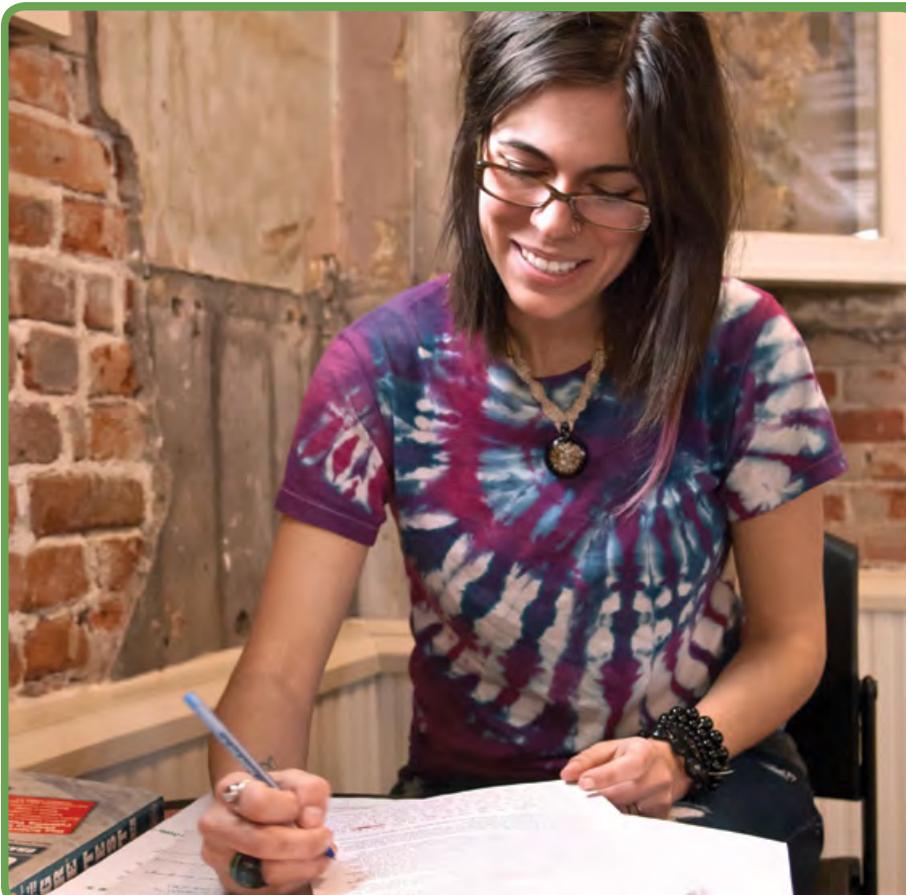
Course No.–Hours	Section	Course Title	Core	Tuition
ENGLISH				
ENGL 1191-3	641	Introduction to Creative Writing	none	\$777
ENGL 1260-3	640	Introduction to Women’s Literature	human diversity	\$777
ENGL 1500-3	640	Masterpieces of British Literature	literature and the arts	\$777
ENGL 1600-3	641	Masterpieces of American Literature	literature and the arts	\$777
ENGL 1600-3	651	Masterpieces of American Literature	literature and the arts	\$777
ENGL 2021-3	640	Introductory Poetry Workshop	none	\$777
ENGL 2021-3	650	Introductory Poetry Workshop	none	\$777
ENGL 3000-3	641	Shakespeare for Nonmajors	literature and the arts	\$777
ENGL 3021-3	640	Intermediate Poetry Workshop	none	\$777
ENGL 3051-3	640	Intermediate Fiction Workshop	none	\$777
ENGL 3051-3	650	Intermediate Fiction Workshop	none	\$777
ENGL 3060-3	641	Modern and Contemporary Literature	literature and the arts	\$777
ENGL 3060-3	651	Modern and Contemporary Literature	literature and the arts	\$777
ENGL 3081-3	640	Intermediate Nonfiction Workshop: Travel Journal Writing	none	\$777
ENGL 3081-3	650	Intermediate Nonfiction Workshop: Travel Journal Writing	none	\$777
ENGL 3116-3	640	Topics in Advanced Theory: Postmodernism	none	\$777
ENGL 3267-3	640	Women Writers	none	\$777
ENGL 3553-3	640	Chaucer: <i>The Canterbury Tales</i>	none	\$777
ENGL 3655-3	641	American Literature to 1860	none	\$777
ENGL 3655-3	651	American Literature to 1860	none	\$777
ENGL 3665-3	640	American Literature after 1860	none	\$777
ENGL 3665-3	650	American Literature after 1860	none	\$777
ENVIRONMENTAL STUDIES				
ENVS 5001-3	640	Environmental Philosophy	none	\$1,149
GEOGRAPHY				
GEOG 1001-4	640	Environmental Systems 1: Climate and Vegetation	natural science	\$1,036
GEOG 1001-4	650	Environmental Systems 1: Climate and Vegetation	natural science	\$1,036
GEOG 1011-4	640	Environmental Systems 2: Landscapes and Water	natural science	\$1,036
GEOG 1982-3	640	World Regional Geography	none	\$777
GEOG 1992-3	641	Human Geographies	none	\$777
GEOG 2412-3	640	Environment and Culture	none	\$777
GEOG 3251-3	640	Mountain Geography	none	\$777
GEOLOGICAL SCIENCES				
GEOL 1010-3	641	Introduction to Geology	natural science	\$777
GEOL 1020-3	640	Introduction to Earth History	natural science	\$777



Course descriptions are available at conted.colorado.edu/independent

INDEPENDENT LEARNING

Course No.–Hours	Section	Course Title	Core	Tuition
HISTORY				
HIST 1010-3	641	Western Civilization 1: From Antiquity to the 16th Century	historical context	\$777
HIST 1010-3	651	Western Civilization 1: From Antiquity to the 16th Century	historical context	\$777
HIST 1015-3	640	History of the United States to 1865	United States context	\$777
HIST 1015-3	650	History of the United States to 1865	United States context	\$777
HIST 1020-3	641	Western Civilization 2: 16th Century to the Present	historical context	\$777
HIST 1020-3	651	Western Civilization 2: 16th Century to the Present	historical context	\$777
HIST 1025-3	640	History of the United States since 1865	United States context	\$777
HIST 1025-3	650	History of the United States since 1865	United States context	\$777
HIST 2117-3	641	History of Colorado	United States context	\$777
HIST 2117-3	650	History of Colorado	United States context	\$777
INTEGRATIVE PHYSIOLOGY				
IPHY 3420-3	641	Nutrition, Health, and Performance	natural science	\$777
IPHY 3420-3	642	Nutrition, Health, and Performance	natural science	\$777
IPHY 3420-3	651	Nutrition, Health, and Performance	natural science	\$777
JOURNALISM				
JOUR 1001-3	641	Contemporary Mass Media	none	\$777
JOUR 3771-3	641	Mass Communication History	none	\$777
JOUR 4321-3	640	Media Institutions and Economics	none	\$777
MATHEMATICS				
MATH 1021-2	650	Numerical and Analytical College Trigonometry	none	\$518
MATH 1071-3	651	Finite Mathematics for Social Science and Business	quantitative reasoning and mathematical skills	\$777
MATH 1081-3	651	Calculus for Social Science and Business	quantitative reasoning and mathematical skills	\$777
MATH 2300-5	650	Analytic Geometry and Calculus 2	none	\$1,295



Ashton Howe

Intermediate Poetry Workshop

“I’ve taken approximately half of my courses online and now I am a senior. I chose to take online courses because it allowed me to maintain a flexible schedule, which was imperative for my job. I like the freedom of online courses; I can work on that particular week’s classwork when it fits into my life. After I graduate with a writing degree, I’d like to go for my MFA in Creative Writing with an emphasis in poetry.”

SELF-PACED COURSES (continued)

Course No.–Hours	Section	Course Title	Core	Tuition
MUSIC				
MUEL 1081-3	650	Basic Music Theory	none	\$777
MUEL 2752-3	640	Music in American Culture	United States context	\$777
PEACE AND CONFLICT STUDIES				
PACS 3800-3	640	Topics in Peace and Conflict Studies	none	\$802
PHILOSOPHY				
PHIL 1000-3	650	Introduction to Philosophy	ideals and values	\$777
PHIL 1100-3	640	Ethics	ideals and values	\$777
PHIL 1100-3	650	Ethics	ideals and values	\$777
PHIL 1440-3	640	Introductory Logic	none	\$777
PHIL 1600-3	650	Philosophy and Religion	ideals and values	\$777
PHIL 3140-3	640	Environmental Ethics	ideals and values	\$777
PHIL 4040-3	650	Studies in 20th Century Philosophy	none	\$777
PHIL 5240-3	640	Seminar in Environmental Philosophy	none	\$1,149
PSYCHOLOGY				
PSYC 1001-3	641	General Psychology	none	\$777
PSYC 1001-3	642	General Psychology	none	\$777
PSYC 1001-3	650	General Psychology	none	\$777
PSYC 2012-3	641	Biological Psychology 1	natural science	\$777
PSYC 2012-3	650	Biological Psychology 1	natural science	\$777
PSYC 2022-3	650	Biological Psychology 2	natural science	\$777
PSYC 2145-3	641	Introductory Cognitive Psychology	none	\$777
PSYC 2606-3	640	Social Psychology	contemporary societies	\$777
PSYC 2606-3	650	Social Psychology	contemporary societies	\$777
PSYC 3101-4	641	Statistics and Research Methods in Psychology	none	\$1,036
PSYC 4303-3	641	Abnormal Psychology	none	\$777
PSYC 4303-3	651	Abnormal Psychology	none	\$777
PSYC 4456-3	640	Psychology of Personality	none	\$777
PSYC 4511-3	641	History of Psychology	none	\$777
PSYC 4684-3	641	Developmental Psychology	none	\$777
SOCIOLOGY				
SOCY 1001-3	641	Introduction to Sociology	contemporary societies	\$777
SOCY 1016-3	640	Sex, Gender, and Society 1	human diversity	\$777
SOCY 1016-3	650	Sex, Gender, and Society 1	human diversity	\$777
SOCY 2077-3	640	Environment and Society	ideals and values	\$777
SOCY 4014-3	640	Criminology	none	\$777
SOCY 4014-3	650	Criminology	none	\$777
SOCY 4021-3	641	Conflict Management in Social Systems	none	\$802
SOCY 4086-3	641	Family and Society	none	\$777



Course descriptions are available at
conted.colorado.edu/independent

ADDITIONAL CREDIT PROGRAMS

ACCESS Program

(Available Credit Courses for Eligible Special Students)

Enroll in daytime credit classes at the University of Colorado Boulder for personal or professional development through the ACCESS Program. Nondegree students may take main campus undergraduate or graduate courses after most degree-seeking students have enrolled. ACCESS is an opportunity to learn about CU-Boulder, the academic departments, meet the faculty, and earn credit.

We will soon be accepting applications for the fall 2011 semester. Registration begins Friday, August 19, and classes begin Monday, August 22. Call 303-492-5148 for more information or visit conted.colorado.edu/access. Our capable staff can provide academic, financial aid, and career advising through in-person or telephone appointments. Visit conted.colorado.edu/student-resources to set up a free appointment.

ACCESS students, who are Colorado residents taking undergraduate or a combination of undergraduate and graduate classes, may be eligible for the College Opportunity Fund (COF). For more information visit www.CollegeInColorado.org.

High School Concurrent Program

High School students interested in the challenge of university course work may enroll in credit courses at CU-Boulder during the summer. In addition to earning college credit, you may be able to use the credit toward high school graduation requirements. Participation requires written permission from both a parent/guardian and a high school counselor/principal. Daytime, evening, and online courses are available. Evening and online course information can be found in this catalog. For information about daytime summer courses, visit www.colorado.edu/summer. For more information visit conted.colorado.edu/highschool, call 303-735-5456, or e-mail kathryn.tisdale@colorado.edu.

Applied Music Program

During the fall and spring semesters the College of Music and the Independent Learning Program offer private instruction for voice and popular instruments. Group classes are offered for beginning guitar. Private lessons are by arrangement.

Nine hours of instruction. Two semester hours of credit that can be taken for a letter grade, *pass/fail*, or *no credit*. For more information visit conted.colorado.edu/appliedmusic.

Finishing Your Degree at CU

Completing a degree is a very unique experience for each person. Whether you began your degree at CU-Boulder years ago, or are hoping to complete a degree started elsewhere, we have a friendly staff who understands the challenges of balancing school, work, family...life. Let our academic advisors help you create a plan to meet your needs, making the most of the abundant programs and resources that the university has to offer. Schedule an in-person or telephone appointment at conted.colorado.edu/student-resources to discuss your options at CU.



Allison Dellwo

Public Speaking

“I am a nontraditional student. I have my undergraduate degree and work full time, so I am taking this class more for professional development at this point. I work at a nonprofit organization and part of my job is giving presentations to the community. This class will help me be more comfortable and professional in that role.”

Business Simulation

WAYNE KIRSCHLING

“My goal is to introduce students to concepts, tools, and experiences that are going to make them effective, successful managers and

LEADERS

in today’s business environment.”

“We simulate the startup of a new high-technology company over a period of three years,” says Wayne. “Students work as a team, make decisions in all the major business areas, see their own results and those of their student-team competitors, and then make a new round of decisions. They learn by doing. This challenging and instructive approach mirrors management in the real world.”

Imagine sitting in your own home or office taking graduate level classes from one of the top-ranked engineering schools in the nation. Ranked 39th overall and 21st among public engineering programs nationwide (*U.S. News and World Report 2011*) you can be sure that you are earning a superior education.

For over 25 years, the Center for Advanced Engineering and Technology Education (CAETE) has helped working professionals like you advance their careers with flexible, convenient learning. Through CAETE, the distance learning and professional studies arm of the College of Engineering and Applied Science, you can pursue engineering and technology course work, earn certificates and master’s degrees, and engage in skill-building short courses while enjoying state-of-the-art technology.

With a variety of distance learning opportunities accessible from virtually anywhere at any time, you have the power to reach your educational goals. Courses are delivered via the Internet and CD-ROM. Experience the robust curricula, world-class faculty, and strong industry partnerships of a tier one research university.

Why wait? Check out CAETE and get started today!

Advanced Degrees

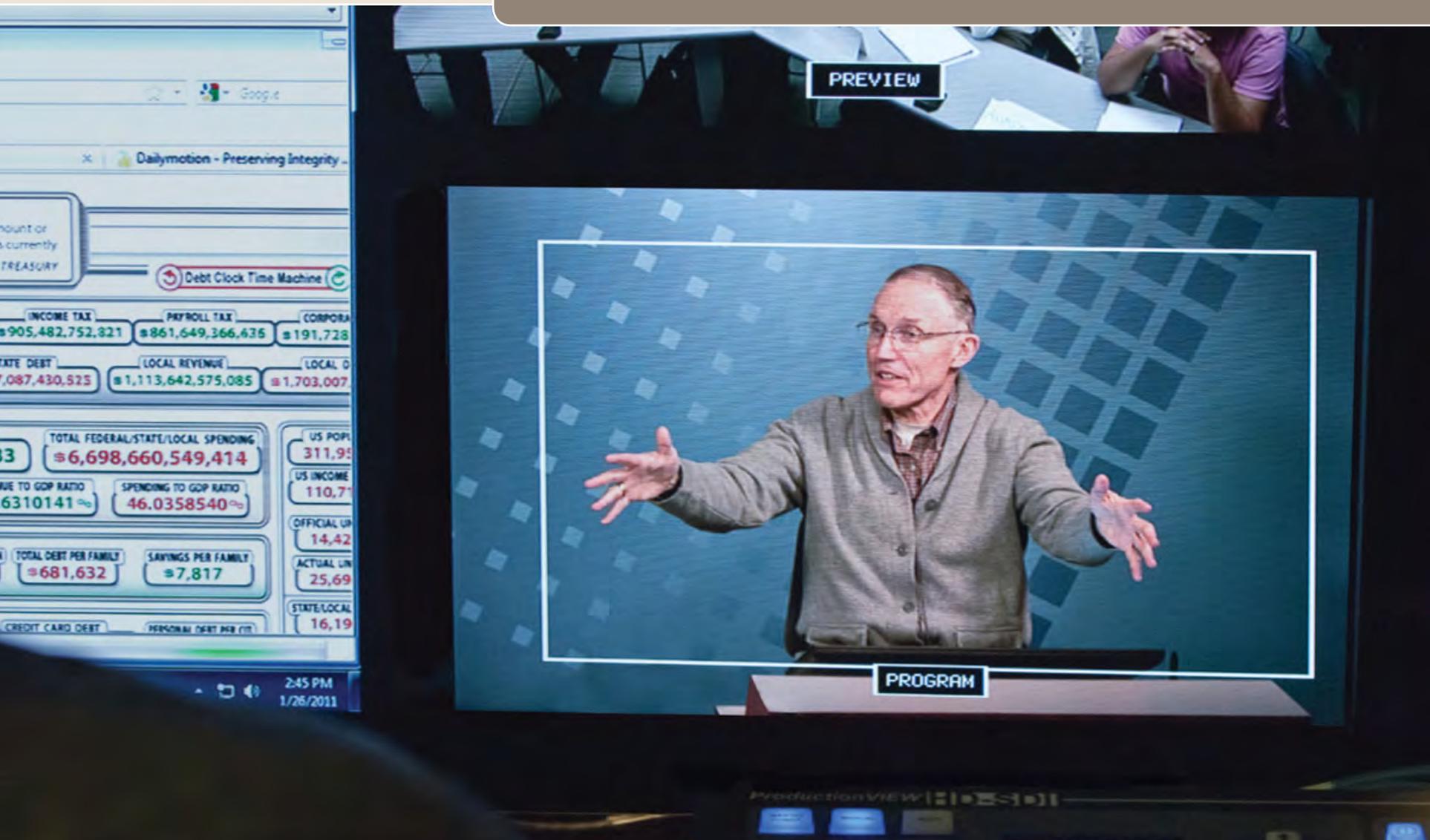
Earn a master’s degree in:

- Aerospace Engineering
- Computer Science
- Electrical and Computer Engineering
- Engineering Management
- Telecommunications

Certificates

- Electrical/Computer Engineering:
 - Embedded Systems
 - Power Electronics
 - Software Engineering
- Engineering Management:
 - Engineering Management
 - Entrepreneurship
 - Managing Applied Research in Technology
 - Managing R&D
 - Performance Excellence in Technology Management
 - Project Management
 - Quality Systems for Product/Process Engineering
 - Six Sigma

ENGINEERING ONLINE



- Technology Ventures & Product Management
- Telecommunications
 - Computer and Network Security
 - Energy Communication Networks
 - Network Architecture
 - Telecommunications Policy
 - Wireless Networks and Technologies

Short Courses

Take these short courses to develop new skills, build valuable technical credentials, or to prepare for industry-recognized certificate

examinations. These relevant, immediately applicable courses feature online delivery from respected industry leaders who bring real-world experience to the Internet classroom. Typical courses offered each semester are in the areas of Cisco® networking and project management.

Continuing Education Units (CEUs) are awarded for all short courses. These courses are noncredit and do not apply toward degree programs or graduate certificates.

University of Colorado faculty and staff on at least a half-time, permanent appointment

and retired faculty and staff may receive a 10% tuition discount on our noncredit courses. Proof of status must be provided at the time of registration. CU-Boulder students who are enrolled at least half time in credit courses are eligible for a 10% tuition discount on our noncredit courses.

Course Schedule Information

CUEngineeringOnline.colorado.edu
303-492-6331
caete@colorado.edu

Short Courses Summer 2011

Title:	Course No.	Section	Start Date	End Date	Time	Instructor	Tuition
Project Management Basics	CASP 5201	100	5/31/11	8/13/11	Online	Kois	\$895
PMP® Exam Prep	CASP 5211	100	5/31/11	8/13/11	Online	Kois	\$1,295
Intro to Cisco® Networking: CCNA	CACI 8001	100	5/31/11	8/13/11	Online	Santos	\$1,955

Note that students may enroll in courses any time within the indicated semester/session (except for CACI 8001). Students may complete any of these courses before the end date if desired, but all courses must be completed by the end date.

English as a Second Language

AGNES FARKAS-ROSZELL

“The most important factor in learning a language is
MOTIVATION.

Once you find something you love about the culture, people, or language, the learning follows.”

“English is not my first language, so I understand what it is like to master a language later in life,” says Agnes, who has 20 years experience teaching language all over the world. “I encourage my students to travel. The more you travel the more you learn. The more you learn the more you know. The more you know the more you want to know. It sparks motivation.”

1030 13TH STREET ON “THE HILL.”

Since 1975, the International English Center (IEC) has helped over 20,000 international students learn and master English. Our students have gone on to attend the University of Colorado, Colorado School of Mines, the University of Denver, Colorado State University, and dozens of other institutions. The children of our former students are now IEC students – we are multi-generational! The IEC offers three English as a Second Language (ESL) programs for international students, international business professionals, community residents, or interested visitors from other countries.

INTENSIVE ENGLISH PROGRAM

The Intensive English Program consists of five eight-week sessions of full-time communicative English language study (23 hours per week) with instruction in grammar, reading, writing, listening, and speaking. Students are tested upon arrival and placed into classes appropriate to their proficiency. Most students in this program are citizens and residents of other countries and have come to the United States on student visas. However, we are happy to welcome new

residents to our community in this intensive program. The full Summer Session is June 1–July 29. We offer a second 4-week Summer Session from July 1 to July 30.

If you are an immigrant or a refugee and cannot afford the program, please ask about scholarship assistance.

The Intensive English Program:

- Prepares international students to enter a college or university in the U.S.

- Offers classes appropriate for professionals wanting to improve their English for work and for students wanting to study English intensively
- Focuses on improving communication by integrating language skills (listening, speaking, reading, writing)
- Offers 20 hours of core language instruction each week at seven proficiency levels: Basic 1 and 2, Intermediate 1, 2, and 3, Advanced, and Advanced 2
- Offers 3 hours each week of optional elective classes at no additional cost
- Has an average class size of 12–15 students and uses the latest ESL practices and materials
- Has instructors with master’s degrees and teaching experience in intensive programs and abroad
- Offers opportunities for students to join in local community events to use their skills in real-life settings
- Extensive university library facilities with a rich source of educational and research materials

INTERNATIONAL ENGLISH CENTER



- University of Colorado courses available for advanced-level students with approval from the Director
- Two computer labs for student use equipped with Internet and e-mail access
- Certificates issued upon conclusion of studies
- Fully accredited by the Commission on English Language Program Accreditation (CEA)
- Member of UCIEP, consortium of University and College Intensive English Programs, and AAIEP, the American Association of Intensive English Programs

GLOBAL BUSINESS COMMUNICATION

This certificate program provides executives and managers from companies around the world with full-time study in an 8 to 24 week program of practical English language and cross-cultural communication training for business purposes. Eight-week certificate programs include: “Focus on the Individual”

(Fall and Spring), “Focus on the Team” (Fall and Spring), and “Focus on Sustainable Business Practices” (Summer only). When you join the Global Business Communication (GBC) program, you:

- Acquire new skills that can be immediately applied to your work environment
- Benefit from an individualized program
- Participate in projects customized to your interests
- Network, negotiate, and lead meetings in English
- Correspond with American business professionals
- Interact with other participants from around the world
- Take advantage of small class size (maximum 9 students)

The GBC certificate program requires an intermediate level of English.

ENGLISH AS A SECOND LANGUAGE FOR DEGREE STUDENTS (ESLG)

These non-intensive credit and noncredit accent reduction and writing courses are designed to be taken by graduate and undergraduate degree students who need to strengthen specific areas in their academic language proficiency. Nondegree students may enroll if they demonstrate an appropriate level of English proficiency. An English placement test is given at the beginning of the fall and spring semesters and recommendations are made based on student results. ESLG courses are not offered during summer sessions.

For more information on any of these programs, please visit www.colorado.edu/iec or call 303 492-5547.

Science Explorers and Wilderness Camps

JOHN HANKLA

“When we give kids unique hands-on ways to
C O N T R I B U T E
to paleontological research, they go from being
participants in class to becoming my colleagues.”

“Kids have actually found some pretty incredible stuff that has gone into our research,” says John, a paleontologist and graduate of the University of Colorado’s Museum Studies program who has been digging for dinosaur bones since childhood. “We do the programs for kids, but teachers also get to see how we cover the topic so they can become more comfortable teaching it in their own classrooms.”

CU Science Discovery, established in 1983, collaborates with science faculty at the University of Colorado Boulder to develop new and exciting science education programs for K-12 students and teachers. Our mission is to stimulate scientific interest, understanding, and literacy by connecting Colorado’s youth, teachers, and families to the cutting-edge science happening at CU-Boulder. Science Discovery’s programs utilize university faculty, graduate and undergraduate scientists, campus laboratories, and other science and technology resources in order to provide hands-on experiences that highlight current scientific research, ensure scientific excellence, and reflect the latest trends in research, teaching, and learning. Through its various programs, CU Science Discovery impacts approximately 1,000 teachers and 25,000 students across Colorado each year.

Summer and After-School Classes

For students ages 4 and up, Science Discovery offers a wide variety of classes that span CU’s science, technology, engineering, and math disciplines. Classes offer enthusiastic and knowledgeable teachers (often graduate students with teaching experience), access to university and community resources, small class sizes (10-16 students), and a variety of laboratory and field experiences. Classes such as Green Power +, Video Game Design, and Wearable Electronics are designed to enrich student understanding and instill a desire to further explore science topics. This summer, Science Discovery will offer several new classes, including Physics of Toys, Virtual Composer, 3D Game Design, Robotics, and Jr. Entomologists. Classes run for five sessions and vary in length from 1½ to 6 hours per day. We are in our 28th year of providing science education to children from diverse backgrounds, conducting over 200 summer and after-school classes each year on the Boulder campus, as well as at local and regional schools. From fossils to forensics to physics, Science Discovery’s Class Program offers something for everyone!

SCIENCE DISCOVERY



CU paleontologist John Hankla works with middle school students to recover the remains of a *Triceratops* at a field locality in eastern Wyoming.

Wilderness Experiences

Science Discovery provides students with immersive field experiences through summer wilderness camps and outdoor classroom activities. Our 5 to 14-day overnight wilderness camps take place amidst our rich resources of national parks, monuments, and reserves, including Yellowstone, Teton, Olympic, the Great Sand Dunes, and Mission: Wolf. CU graduate and undergraduate students team up with outdoor educators to guide groups of 12 campers in programs that combine field science work with adventure activities like white-water rafting, camping, and rock climbing. Wilderness education, team learning adventures, and positive peer interaction are inherent in each trip.

Science Discovery's Outdoor Classroom engages Boulder/Denver area students and teachers in outdoor science activities such as field studies of Colorado ecosystems, winter ecology on snowshoes, and overnight trips to the CU Mountain Research Station. This program provides teachers and students with extended, interactive learning experiences spread out over the entire school year.

Science from CU: Statewide Classroom Workshops and Assembly Presentations

Science from CU brings CU's cutting-edge science and scientists to classrooms, libraries, and community centers throughout Colorado. The program collaborates with CU faculty, peer institutions, and other educational organizations to enrich science education statewide. Science from CU's one-hour presentations and hands-on workshops, including Light and Lasers, NanoWorld, and Bugmobile, highlight a variety of topics and can be adapted for any age group. Science Discovery scientists and other experienced instructors facilitate interactive presentations that feature CU research. Each program's content and activities support the Colorado Academic Standards and enrich learning by encouraging students to see and touch the "real thing."

Science Explorers: Professional Development for Teachers

Science Explorers is a unique professional development program for 5th to 8th grade teachers offering daylong, activity-based science workshops for teams composed of a teacher and five students. Small teams of teachers and students rotate through three different hands-on workshops, giving teachers the opportunity to observe how students respond to activities and allowing students to develop their own knowledge and leadership skills. Science Explorers workshops, conducted at six to twelve urban and rural sites throughout Colorado, support the Colorado Academic Standards and provide attendees with materials and curriculum to use in their own classrooms. The workshops showcase current CU research in a variety of disciplines, including paleontology, renewable energy, and optics. In 2011, Science Explorers will focus on stream ecology and the Boulder Creek watershed, in partnership with the CU-Boulder NSF-funded Critical Zone Observatory project.

For more information about our programs and current offerings, visit www.colorado.edu/sciencediscovery or call 303-492-7188.

Connecting with Colorado

WILLIAM MCGINLEY

“The telling of our own life story is the one creative work of art in which we are all engaged. This program provides young people with art-based opportunities to **IMAGINE** and tell their stories.”

“Through memoir, storytelling, and visual arts we help youth better understand their histories and shape their futures through self-reflection and critical awareness,” says Dr. McGinley, who created the program to stimulate a sense of self, hopefulness, and possibility. “We explore questions such as ‘Who am I?’ ‘Where do I come from?’ and ‘What am I called to do in this world?’”

MAKING CONNECTIONS THAT MAKE A DIFFERENCE.

Associate Professor William McGinley is no stranger to innovative outreach projects that significantly impact communities, K-12 students, and teachers. His latest project, *Tell Your Story: Composing a Life*, provides creative educational experiences to a diverse group of middle school students that integrate storytelling, creative writing, and visual arts instruction.

An expert in young adult literature, memoir, and literacy from CU-Boulder’s School of Education, McGinley’s project was co-founded with three teachers from Casey Middle School (Val Wheeler, Molly Hoverstock, and Kathryn Sengay). The program was enriched by collaborating with an interdisciplinary team from the School of Education and Department of Art and History made up of faculty, graduate students, and teacher candidates as well as teachers from the Boulder Valley School District (BVSD).

Tell Your Story uses personal storytelling and memoir as a means of integrating the visual and language arts in order to support and expand students’ understandings of their own lives. A primary focus is to assist young people in drawing upon a wide range of creative media to memorialize important life experiences through the power of memoir and storytelling. Students from diverse backgrounds are able to express themselves in ways that are culturally responsive and that make sense of their experiences through the creative processes of reading, writing, performing, and art making.

OUTREACH



The project gives young people an opportunity to create, discover, and make sense of themselves at a time in their lives when it really matters. In this way, students are provided with arts-based opportunities to “compose a life.” As one student reflected on her experience in the program, “I realized that I could tell stories with sculpture.” Yet another student noted, “Art is writing. They both tell stories.”

During the school year, students from Casey Middle School engage in a series of memoir-making and portrait-making workshops that are a hybrid of language and visual arts courses. This instruction is integrated into the BVSD curriculum, and it presents students with a series of questions and invitations as the starting point for self-reflection and self-narrative. Students produce written memoirs, audio-recorded performances, self-portraits, and sculptural art works. Visual and audio projects are shared with classmates and the school community.

Each summer more than 50 local students participate in a two-week exploration of personal storytelling through memoir, ceramics, portraiture, bookmaking, poetry writing, and creative performance in the new Visual Arts Complex on the CU-Boulder campus.

In both of these programs, students are provided with instruction aimed at helping them to develop poetic and visual works of art that foreground some of the reflective and life-informing possibilities that these arts make possible. As one teacher remarked about students’ audio memoirs, “they’re telling such vastly different stories, yet all stories of young lives...Bosnian stories, border stories, Boulder stories...vivid details that help them to put together a life for themselves and others.”

Tell Your Story is only one example of the many projects that CU-Boulder faculty and students are involved with in communities across Colorado. For more information about campus outreach and engagement activities, please visit outreach.colorado.edu.

The Division of Continuing Education and Professional Studies supports faculty outreach activities by providing annual funding to the CU-Boulder Outreach Committee, which is comprised of faculty from across the campus. The committee, in turn, awards grants to faculty projects that connect the university’s research, teaching, and creative resources with communities throughout Colorado and beyond. The Division is also the home of the Office for University Outreach, a group that supports and enhances outreach efforts campus-wide.

SUMMER SESSION



Babs Battenfield, Professor and Summer Session student

MAKE THE MOST OF YOUR SUMMER
Summer Session offers you the opportunity to earn academic credit, satisfy your curiosity, meet major or minor requirements, and be part of our summer community. Many of CU's most popular and sought-after courses are offered. The diverse population of students from CU and institutions across the country, high school students, and teachers and other professionals makes Summer Session a unique learning experience.

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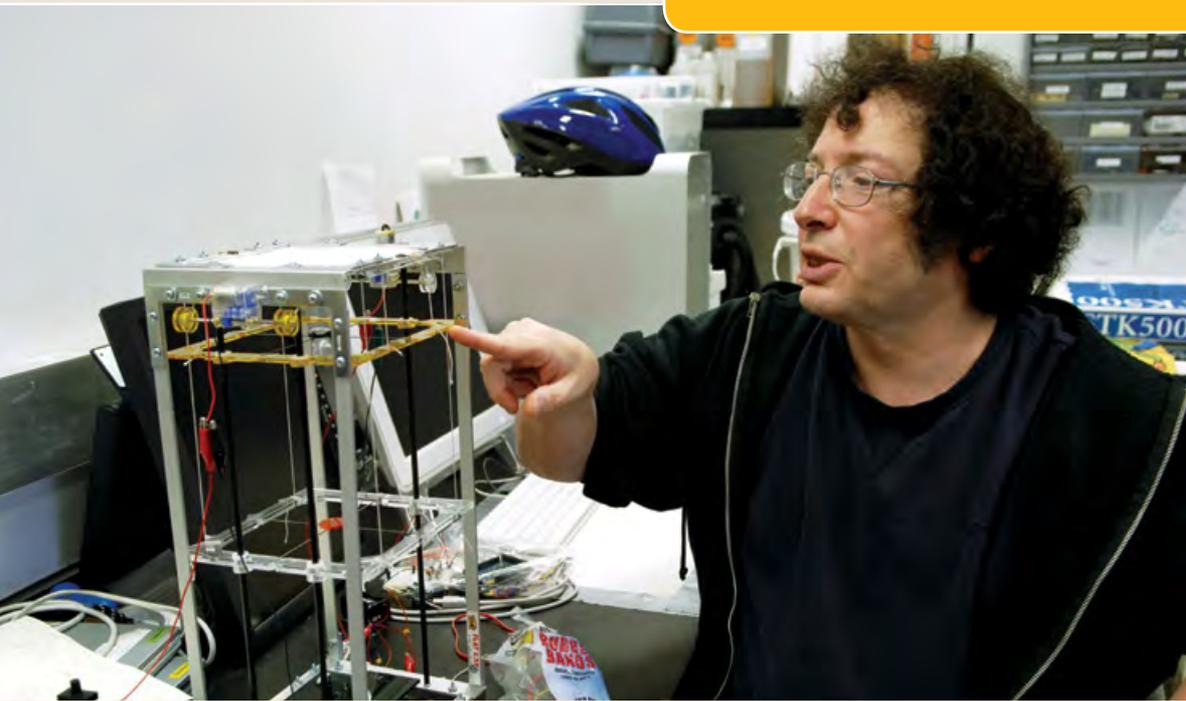
Explore the possibilities with new class offerings and classes that move you forward and into new areas. Summer Session offers greater flexibility and smaller class sizes to make the learning process that much more engaging. Check out Featured Classes and find one that's right for you.

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STUDENT SERVICES



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Michael Eisenberg
Science Discovery

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Visit conted.colorado.edu/enroll for complete instructions.

At the University of Colorado Boulder we are committed to building a campus community in which diversity is a fundamental value. People are different and the differences among us are what we call diversity—a natural and enriching hallmark of life. Diversity includes, but is not limited to, ethnicity, race, gender, age, class, sexual orientation, religion, disability, political viewpoints, veteran status, gender identity/expression, and health status. A climate of healthy diversity is one in which people value individual and group differences, respect the perspectives of others, and communicate openly.

Diversity is a key to inclusive excellence in education. A diverse learning environment better prepares all students for the world that awaits them. CU-Boulder is committed to enriching the lives of our students, faculty, and staff by providing a diverse campus where the exchange of ideas, knowledge, and perspectives is an active part of learning.

—from the Guidelines for Diversity Planning

The University of Colorado does not discriminate on the basis of race, color, national origin, sex, age, disability, creed, religion, sexual orientation, or veteran status in admission and access to, and treatment and employment in, its educational programs and activities.

CU-Boulder takes action to increase ethnic, cultural, and gender diversity, to employ qualified disabled individuals, and to provide equal opportunity to all students and employees.

University of Colorado Boulder Catalog (USPS 651-060). 3100 Marine Street, 584 UCB, Boulder, CO 80309-0584. Volume 2011, No. 4, March. Published six times a year: January, March, April, June/July, July, October/November, and December. Periodicals postage paid at Boulder, Colorado, and additional mailing offices. POSTMASTER: Send address changes to the University of Colorado Boulder Catalog, Division of Continuing Education and Professional Studies, University of Colorado Boulder, 178 UCB, Boulder, CO 80309-0178.

Continuing Education is part of the Colorado Statewide Extended Campus, highered.colorado.gov/academics/ExtendedStudies. This publication was printed and mailed using funds generated solely by Continuing Education programs. Continuing Education regrets any printing errors, but accepts no liability for them.

Design: Vermilion. Photography: Idaho Stew. Copy: Shenna Fitzgerald. Printing: Frederic Printing. Cover and Outreach photos courtesy of the University Photographers. Science Discovery photo courtesy of Arne Arnesen.

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The Division of Continuing Education and Professional Studies serves as a gateway between students and the CU-Boulder campus. Undergraduate students can find classes that fit their schedule through Boulder Evening or Independent Learning with self-paced and online courses. Local residents can explore their passion, discover a new one, or finish their degree through CU Complete. CU Continuing Education makes almost any pursuit possible.

