

Welcome to Summer in Boulder

The University of Colorado at Boulder 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 in Summer Session.

Take a course in physics or chemistry, on the apocalypse or Charles Darwin. Whether you're a college student, a high school student, a teacher, or a visitor to Boulder . . . there's something for everyone! We invite you to be a part of our diverse community this summer!

With over 500 courses offered this summer, you will find the course that will enrich your creative, professional, cultural, or academic interests. Among the many opportunities offered this summer:

- The FIRST (Faculty-in-Residence Summer Term) program brings world-class faculty to the Boulder campus for a unique, multi-disciplinary experience. A complete list of courses begins on page 3.
- Maymester offers over 130 courses in a three-week, intensive term that allows you to complete a course and still work, travel, or have an internship. A complete list of courses begins on page 8.
- Take advantage of online classes. Experience CU from anywhere. Knowing that our students have busy lives, we are offering three of our most popular classes online. These classes—taught by CU-Boulder faculty—allow you to meet requirements or advance your degree program. As long as you have access to the Internet, you can take one of these classes. See a complete list in the Featured Courses section on page 14.
- Special featured courses and an exciting academic minor offer degree-enhancing experiences. The Featured Courses section begins on page 14. The CU business minor is on page 16.

While taking your summer classes, take advantage of the cultural and recreational activities on campus. The Colorado Shakespeare Festival is one of the premier Shakespeare festivals in the country. Catch a production of *Hamlet* or *Much Ado About Nothing*. The CU Summer Opera's season includes musical theatre and comic opera. And, of course, the Rocky Mountains are in Boulder's backyard and offer unmatched outdoor possibilities.

More information on Summer Session is available at www.colorado.edu/summer or by calling **303-492-5148**. Join the faculty, students, and staff of CU-Boulder during our favorite time of year in our favorite place—Summer in Boulder!

Carol Drake, PhD, Director for Summer Session

Anne Heinz, PhD, Associate Vice Chancellor for Summer Session

TOP 10 REASONS

to try CU-Boulder Summer Session

- 1**
Accelerate your graduation
- 2**
Focus on one or two classes
- 3**
Take advantage of smaller classes
- 4**
Add a minor to your course of study
- 5**
Learn from CU-Boulder faculty
- 6**
Choose from over 500 classes
- 7**
Select the terms that fit your needs
- 8**
Experience teaching that fits your learning style
- 9**
Enjoy the convenience of ample parking
- 10**
Be a part of Boulder in the summer!

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FIRST

Faculty-in-Residence Summer Term

CU-Boulder is proud and honored to bring world-class faculty to campus for summer! These scholars are master teachers and outstanding academicians. Share their experiences and knowledge. Come and learn from FIRST!

COLLEGE OF ARTS AND SCIENCES

COMMUNICATION

David Depew

Professor of Communication Studies, University of Iowa

Senior Seminar: Rhetoric: Religion, Class, Race, and Gender in Evolutionary Perspective

◆COMM 4300, 3 semester hours, Section 200,
Call No. 45693

Term B: July 7–August 7, 2009

This course is being offered in honor of the 150th anniversary of the publication of *The Origin of the Species* and the 200th anniversary of Charles Darwin's birth. The course will analyze persistent entanglements between evolutionary theory, especially Darwinian evolutionary theory, and issues of religion, class, race, and gender. Because the class will cover a time span from 1859 until the present, the course will also serve as a history of the intersection between evolution and public policy. The treatment of these themes will be nontechnical; no scientific background is presumed. Restricted to junior and senior Communication majors. Prerequisite: COMM 3300. Approved for arts and sciences core curriculum: critical thinking.

Professor Depew is Executive Director of the Project on the Rhetoric of Inquiry at the University of Iowa. He has authored or co-authored nine books and numerous articles. Professor Depew is an outstanding scholar and teacher.

Sandra Braman

Professor, University of Wisconsin-Milwaukee

Senior Seminar: Organizational Communication: Communication Policy for Organizations

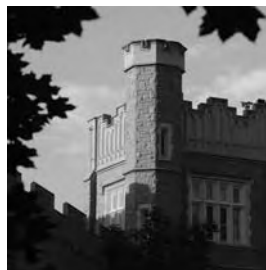
◆COMM 4600, 3 semester hours, Section 100,
Call No. 45709

Term A: June 1–July 2, 2009

In the 21st century, organizations have multiple relationships with the law. Organizations must translate state, national, and international laws and regulations into

internal practices in order to ensure compliance with specific regulatory requirements. Corporations experiment with organizational innovations that are subsequently taken up by governments. And corporations provide normative leadership that can inspire changes in the law. This course is designed for those preparing themselves for careers in corporate management as well as for students primarily interested in research. Students will learn how to acquire information about pertinent laws and policies as they change over time, locate best practices in specific legal areas and/or as operationalized for specific types of organizations, and review approaches to maximizing what can be learned from the study of organizational communication about how to design communication policies for organizations that most successfully serve organizational goals as well as legal needs. Restricted to junior and senior communication majors. Approved for arts and sciences core curriculum: critical thinking.

Professor Braman has been studying the macro-level effects of the use of new information technologies and their policy implications since the mid-1980s. With Ford Foundation and Rockefeller Foundation support, she has been working on problems associated with the effort to bring the research and communication policy communities more closely together. She has published over four dozen scholarly journal articles, book chapters, and books; served as book review editor of the *Journal of Communication*; is former Chair of the Communication Law and Policy Division of the International Communication Association; and sits on the editorial boards of nine scholarly journals.



ENGLISH

Kenneth Johnston

Professor Emeritus, Indiana University

Critical Thinking in English Studies: The End of the World

◆ENGL 4038, 3 semester hours, Section 101,
Call No. 45562

Term A: June 1–July 2, 2009

Students in this course will analyze poems, plays, novels, nonfiction, and films dealing with a literally dreadful topic: the end of the world. The course begins with the apocalyptic eras of early Christian persecution, the millennium of A.D. 1000, and the American and French revolutions, but deals primarily with 20th-century literature, cinema, and popular music, examining how and why writers have chosen to cast their fictions in apocalyptic frameworks. May not be repeated. Prerequisite: junior standing. Restricted to English and humanities majors only. Approved for arts and sciences core curriculum: critical thinking.

Professor Johnston is one of the leading scholars of Romanticism. He has a long and distinguished publishing record. He has won fellowships from the Fulbright Foundation, the National Endowment for the Humanities, and the American Council of Learned Societies. He has spoken around the world. Professor Johnston is an award-winning teacher.

FILM STUDIES

Thomas Gunning

Edwin A. and Betty L. Bergman Distinguished Service
Professor

Department of Art History, University of Chicago

Topics in Film Studies: Film and Poetry

FILM 4010, 3 semester hours, Section 820, Call No. 42575
ARTF 5010, 3 semester hours, Section 820,
Call No. 45324

Term B: July 7–August 7, 2009

The relation between film and poetry has been explored almost from cinema's origins. This course will attempt to interrelate three issues: the making of films that could be considered "poetic" (including works by Man Ray, Cocteau, Griffith, Deren, Epstein, Dulac, Child, Brakhage, Tarkovsky, and others); poems that reflect on cinema (including Lindsay, Creeley, Crane, Stein, and others); and theoretical and historical works that try to define the relation between the two forms. May be repeated up to 6 total credit hours, provided the topics are different.

Professor Gunning's research focuses on problems of film style and interpretation, film history, and film culture. His groundbreaking book on silent cinema, *D.W. Griffith and the Origins of American Narrative Film*, traces the ways in which film style interacted with new economic structures in the early American film industry

and with new tasks of storytelling. In addition to two other books, Professor Gunning has published over 100 articles. Professor Gunning is an excellent teacher. This is his second year as a FIRST scholar.

HUMANITIES

Benjamin Stevens

Assistant Professor, Bard College

Topics in the Humanities: "Reading Comics": An Introduction to Comics as Literature

HUMN 3093, 3 semester hours, Section 100,
Call No. 45697

Term A: June 1–July 2, 2009

What are "comics," and what does it mean to "read" them? In this course we study comics as a kind of literature and explore ways of doing literary studies. Topics include the interaction of medium and meaning (How do comics narrate?), the construction of canons and/or literary history (How do comics metanarrate, or tell stories about themselves and other comics?), and the question of comic's criticism (How might we tell our own critical and creative stories about comics?). Readings aim at suggesting the medium's rich history and its formal and thematic variety. May be repeated up to 12 total credit hours, provided the topics vary. Prerequisite: HUMN 2000 or junior/senior standing.

Professor Stevens is a young scholar with a developing reputation for exciting research into Latin and other languages and literatures. His research and teaching interests include Latin, Greek, and Biblical Hebrew; the history and theory of linguistics and semiotics; speculative fiction and graphic literature; visual culture; and contemporary a cappella music. Professor Stevens is assistant professor of Classical Studies at Bard College. This is his second year as a FIRST scholar.

LINGUISTICS

Alexandra Aikenvald

Professor of Linguistics and Director of the Research
Centre for Linguistic Typology, La Trobe University, Australia

Special Topics in Linguistics: Language Structures—Explorations in Linguistic Diversity: Amazonian Languages and Beyond

LING 3800, 3 semester hours, Section 100, Call No. 45701
LING 6510, 3 semester hours, Section 100, Call No. 45702
Term A: June 1–July 2, 2009

Over 4,000 distinct languages are currently spoken across the globe, many of them by small tribal communities. More than two-thirds of the world's languages are spoken in tropical areas. Of these, the Amazon basin is an area of great linguistic diversity, comprising around 300 languages grouped into over 15 language families, plus a fair number of isolates. Amazonian languages also show diversity in their structure: we find unusual sounds, tone patterns, ways of classifying nouns, and of

putting clauses together in one sentence. A considerable degree of language contact in the Amazonian area has resulted in unusual patterns of multilingualism, vast linguistic areas, and some shared features. The course will address the reasons for such genetic and structural diversity, and the similarities between Amazonian languages. We will then look at the ways in which linguistic diversity in Amazonia compares to other linguistically rich areas—Australia and New Guinea. Prerequisites for graduate students: LING 5410 and LING 5420 or instructor consent. Prerequisite for undergraduate students: LING 2000 or instructor consent.

Professor Aikenvald is Professor of Linguistics and Associate Director of the Research Centre for Linguistic Typology at La Trobe University, Australia. She has authored 14 books, co-edited 18 books, and authored or co-authored 138 papers. Her work includes grammars of several Amazonian languages, grammars of Hebrew, and contributions to the study of Berber languages. Professor R.M.W. Dixon, one of the most productive contemporary linguists, will offer guest lectures in this course.

PHILOSOPHY

Mark Heller

Professor, Syracuse University

Open Topics in Philosophy: Paradoxes of Existence

PHIL 3800, 3 semester hours, Section 100, Call No. 45699
Term A: June 1–July 2, 2009

Tables, rocks, people, and even your beloved dog are paradoxical in many ways. We will explore these paradoxes and their consequences for ordinary things. We need to revise our beliefs about the nature of ourselves and our world, and the changes may be radical. Prerequisite: 6 hours of philosophy course work. Restricted to sophomores, juniors, and seniors.

Professor Heller's work is primarily in Metaphysics and Epistemology. His recent book argues that the only material objects are four-dimensional hunks of matter. His interest in the relationship between the deep fundamental truths, whether ontological or epistemological, and ordinary discourse, underlies his work. He is an outstanding teacher and scholar.



POLITICAL SCIENCE

Jean-Louis Balans

Professor, University of Bordeaux, France

Western European Politics

◆PSCI 4002, 3 semester hours, Section 200,
Call No. 45678

Term B: July 7–August 7, 2009

Comparatively analyzes developments of the political systems and processes of European democracies. The course will focus on democratic consolidations and transitions in contemporary Europe. Topics include the post-war return to democracy in Germany and Italy, the emergence of new democracies in the '70s (Greece, Portugal, and Spain), and the democratization in post-communist Central and Eastern Europe. The class will also consider European democratic models, such as the prevalence of parliamentarism with special emphasis on the French and the diversity of political parties and party systems in Western Europe. Prerequisite: PSCI 2012 or IAFS 1000. Approved for arts and sciences core curriculum: contemporary societies.

Professor Balans is a Maitre de Conferences at the Institut d'Etudes Politiques de Bordeaux and a former foreign services officer posted to Turkey, South Africa, and Zimbabwe. Professor Balans earned his PhD from the University of Bordeaux, has an extensive research record, and is a noted teacher. Professor Balans was a FIRST scholar in 2005.

RELIGIOUS STUDIES

Jeffrey J. Kripal

J. Newton Rayzor Chair in Philosophy and Religious Thought, Rice University

Religious Dimensions in Human Experience: the Paranormal and Popular Culture

◆RLST 1620, 3 semester hours, Section 100,
Call No. 45698

Term A: June 1–July 2, 2009

The first half of the course traces the history of psychical phenomena through the last two centuries of Western thought. Topics include cultural histories of telepathy, teleportation, and UFOs, to the occult dimensions of science fiction, cold war psychic espionage, and the fantasy of galactic colonialism. The second half of the course takes the theoretical work and applies it to science fiction and the superhero comic book. These mythical themes and paranormal currents will work together to provide a striking new vision of science fiction and superhero comics as the wellspring of an evolving new mysticism of science. Approved for arts and sciences core curriculum: ideals and values.

Professor Kripal is a leading senior scholar in the field of Religious Studies. He has published four monographs and edited five other volumes, along with numerous articles and writings. His work spans studies

of Hinduism to mysticism to religion and sexuality to religion and popular culture. He is an outstanding teacher.

SOCIOLOGY

Terry L. Mills

Dean of Humanities and Social Sciences, Morehouse College

Sociology of Aging and the Life

SOCY 4002, 3 semester hours, Section 001,
Call No. 45536
Term M: May 11–29, 2009

This course examines the social aspects of aging. Topics include family intergenerational relationships, social support networks and care giving, health issues among the elderly, the economics of aging, population demographics, retirement, widowhood, and social theories of aging. We analyze the social structural influences on individual decisions, values, behaviors, and experiences as we age. We will look at how individual opportunities, choices, and experiences are a product of two forces: the unique characteristics of the individual and her/his position in a social structure. Prerequisites: SOCY 1001 and SOCY 3001 or 3011. Restricted to junior/senior Sociology majors.

Professor Mills completed his PhD from the University of Southern California where he conducted research on the USC Longitudinal Study of Generations at the Andrus Gerontology Center. He is a fellow of the Gerontological Society of America. His research focuses on social, environmental, and physical health factors associated with late-life depression; and intergenerational relationships. He has published widely and is a member of the National Advisory Council on Aging, National Institutes of Health.

SCHOOL OF EDUCATION

Kris Gutierrez

Professor, University of California, Los Angeles

Language and Learning

EDUC 6804, 3 semester hours, Section 602,
Call No. 45427
Term F: July 6–17, 2009.

This course will integrate work on understanding the critical relationships between language and learning.

Dr. Gutierrez is an award-winning professor at UCLA's Graduate School of Education and Information Studies. She is an internationally renowned researcher and educator, whose work has given us new ways to imagine the relationships among language, culture, development, and opportunity, particularly in the lives of

linguistic minority students. Professor Gutierrez has also made important contributions to the research-methodology literature, arguing the efficacy of considering diverse students lives and learning with respectful attention to what she and her collaborator Barbara Roof have called repertoires of practice. In recognition of the wide influence of her work, she was honored in 2004 with the AERA Division C Sylvia Scribner Award, presented each year to work that has significantly shaped thinking and research in teaching and learning. In summer 2006 she was the Noted Scholar in Residence in the Department of Language and Literacy Education, University of British Columbia, Vancouver. She is invited frequently to give plenary and keynote addresses at national and international conferences.

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

CIVIL ENGINEERING

Guido Camata

Visiting Professor, G. d'Annunzio University, Pescara, Italy

Investigating/Strengthening Design

CVEN 4835, 3 semester hours, Section 200,
Call No. 45660
CVEN 5835, 3 semester hours, Section 200,
Call No. 45661
Term B: July 7–August 7, 2009

This course focuses on considerations that engineers have to take into account to upgrade existing structures including: investigation of existing structural characteristics, identification of significant deficiencies, and selection of appropriate upgrade criteria. This course includes the following topics: evaluation and assessment of existing structural systems, on site and laboratory testing of materials, advantages and disadvantages of retrofit schemes, general guidelines, seismic strengths, and case studies.

Dr. Camata completed his undergraduate degree from the University of Bologna, and received his PhD in Structures from the University of Colorado at Boulder. He has worked at the Intelligent Sensing for Innovative Structures in Winnipeg, Canada. Presently, he is an Assistant Professor in the Structural Engineering Department of G. d'Annunzio University in Pescara, Italy, and the owner of a structural engineering firm. Dr. Camata's research experience includes both experimental and numerical work. He has taught courses in seismic engineering, composite materials, reinforced concrete, and finite elements at various universities.

GENERAL ENGINEERING

Manuel Silva Perez

Visiting Professor, University of Seville, Spain

Solar Thermal Power

GEEN 4830, 3 semester hours, Section 200,
Call No. 45659

Term B: July 7–August 7, 2009

This course includes the fundamentals of thermal conversion of solar energy into power and the basics of the different technologies known as Concentrating Solar Power (CSP) including technical and economical aspects. Topics include: the solar resource, fundamentals of Concentrating Solar Power, 2D concentrating systems: compact linear fresnel reflectors and parabolic troughs, 3D concentrating systems: power towers and parabolic dishes, and economic markets.

Dr. Silva is responsible for the Solar Thermal Concentrating Systems and Solar Radiation Projects with the Thermodynamics and Renewable Energy, Department of Energy Engineering of the University of Seville, Spain. Dr. Silva has coordinated or participated in national and international projects in the following topics: solar resource measurement, evaluation, and assessment; feasibility analysis of solar thermal projects including site characterization, estimation of electricity generation, optimization of the solar field, and evaluation of solar thermal concentrating systems.

LAW SCHOOL

Maurice Foley

Judge, United States Tax Court

Federal Tax Politics

LAWS 6138, 2 semester hours, Section 001,
Call No. 45691

Term Q: May 11–21, 2009

Study the tax system as the nexus of politics and economics with a sitting federal tax court judge. The course examines how various interests and entities use the many tools of political power to shape the tax system. This class is intended for those interested in politics and legislation, rather than for the tax specialists.

Judge Foley has taught at Colorado Law before and received rave reviews from students. Before being appointed to the bench in 1995, he was Deputy Tax Legislative Counsel in the U.S. Treasury Office; served as tax counsel for the United States Senate Committee on Finance; and worked for the IRS. He earned his JD from Boalt Hall School of Law at the University of California-Berkeley and a Masters of Law in Taxation from Georgetown University Law Center. Judge Foley was a FIRST scholar in 2002 and 2007. He is an exceptional classroom teacher and brings a variety of perspectives to the issue of federal tax politics.

Naomi Gale

Schusterman Visiting Professor, Program in Jewish Studies, Department of Anthropology, University of Colorado at Boulder

Comparative Law: U.S.-Israeli Law

LAWS 6210, 3 semester hours, Section 002,
Call No. 45696

Term M: May 11–29, 2009

This course will introduce students to the history of the Israeli legal system and to the interaction between societal and legal forces. The legal system of Israel belongs to the family of mixed jurisdictions combining tenets of the Common Law and the Civil Law, with Israel's unique history and characteristics. The course highlights the revolutionary changes in the legal system since the independence of the state in 1948 to the present. This course will make a comparison between the United States and Israeli legal systems in the area of adjudication and will compare civil procedural systems. The following major subject areas will be discussed: the absence of a single-document written Constitution; the "Basic Laws" that are of a higher normative status; the Supreme Court and its functions as the High Court of Justice and as the centrality of the judiciary; and the structure of the court system, which combines the general court system and the specialized courts.

Professor Gale is an expert in Israeli Constitutional Law, Comparative Law, and gender law. The author of two books and numerous articles, Professor Gale has served as the Schusterman Visiting Professor at the American University, the Washington College of Law, and the University of Colorado. Articled as a Solicitor, The Israel Bar, she also holds a PhD in Anthropology. Professor Gale is an excellent teacher.



Maymester

May 11–29

One class. Three weeks. Focus. Accelerate. Achieve.

Maymester allows you to earn up to 3 credits in three weeks. Maymester is an INTENSIVE session that allows you to take only ONE course (no exceptions are made). More than 130 courses are offered this summer. Many of CU-Boulder's most popular and sought-after courses are offered in Maymester. Take a course and complete a core or major requirement and still have most of your summer to work, study, travel, relax, or participate in an internship. Students and faculty like focusing on only one course. Classes are smaller and more interactive. A sense of community develops in the classroom. The accelerated pace means that you should plan on studying three to six hours each day outside of class. Because of the intensive nature of Maymester, you should not add a class you have not attended from the first day. Plan on being prepared and attend every class—each class is the equivalent of one week during the regular semester. Material is covered quickly and the longer class periods allow for in-depth discussion.

Maymester is Term M in the course listings and is part of summer session. Grades and tuition are included as part of summer session. All Maymester sections are 001 unless noted. For more information visit www.colorado.edu/summer or call 303-492-5148 or 800-331-2801. Complete course descriptions are available at www.colorado.edu/catalog.

Term Q begins at the same time as Maymester but the classes end at different times. Three classes are available. Computer Programming for EE/ECE Majors (ECEN 1030) and Introduction to Engineering Computing (GEEN 1300) are offered May 11–June 5. Federal Tax Politics (LAWS 6138) is offered May 11–21.

The most up-to-date course information is available on CUConnect, the campus web portal, at cuconnect.colorado.edu.

COLLEGE OF ARCHITECTURE AND PLANNING

Special Topics: Physical Factors: Working Spaces/Leftovers

ENVD 4363, 3 semester hours, Call No. 42455
Faculty to be announced

Special Topics: Theory and Criticism: Innovation: Design Imagine

ENVD 4764, 3 semester hours, Call No. 42460
Faculty to be announced

COLLEGE OF ARTS AND SCIENCES

ANTHROPOLOGY

Exploring a Non-Western Culture: The Tamils

◆ ANTH 1100, 3 semester hours, Call No. 45462
Patricia Lawrence

Maritime People

◆ ANTH 1180, 3 semester hours, Call No. 45461
Russ McGoodwin

Modern Issues, Ancient Times

◆ ANTH 2009, 3 semester hours, Call No. 45486
Diliana Angelova

Explorations in Anthropology: Cuba

ANTH 4020, 3 semester hours, Call No. 45554
ANTH 5020, 3 semester hours, Call No. 45555
L. K. Roland

Ethnography of Southeast Asia and Indonesia

ANTH 4760, 3 semester hours, Call No. 45463
Carl Jones

ARABIC

Advanced Arabic II: Issues in Arabic Language and Culture for Business

ARAB 3020, 3 semester hours, Call No. 40235
Faculty to be announced

ART AND ART HISTORY

Art in Contemporary Society

◆ARTH 3109, 3 semester hours, Call No. 45421
George Rivera

Special Topics: Environmental Photography

ARTS 3017, 3 semester hours, Call No. 40300
Ken Iwamasa

Special Topics: History of Photography

ARTS 4097, 3 semester hours, Call No. 40306
Alex Sweetman

Beginning Video Production

ARTS 4246, 3 semester hours, Call No. 45422
Luis Valdovino

Monotype Printing

ARTS 4453, 3 semester hours, Call No. 40309
Mel Yazzie

Graduate—Special Topics: History of Photography

ARTS 5097, 3 semester hours, Call No. 45329
Alex Sweetman

Graduate—Beginning Video Production

ARTS 5246, 3 semester hours, Call No. 45423
Luis Valdovino

Graduate—Monotype Printing

ARTS 5453, 3 semester hours, Call No. 45332
Mel Yazzie



ASTROPHYSICAL AND PLANETARY SCIENCES

Computational Techniques

ASTR 2600, 3 semester hours, Call No. 40395
Faculty to be announced

CLASSICS

Modern Issues, Ancient Times

◆CLAS 2009, 2 semester hours, Call No. 45480
Diliana Angelova

Greek and Roman Novel

CLAS 4140, 3 semester hours, Call No. 45487
CLAS 5140, 3 semester hours, Call No. 45488
Andy Cain

COMMUNICATION

Issues in Communication: Career/Business Communication

COMM 3000, 3 semester hours, Call No. 40912
Kathleen Campbell

Principles and Practices of Argumentation

COMM 3310, 3 semester hours, Call No. 40914
John Jackson

Intercultural Communication

◆COMM 3410, 3 semester hours, Call No. 45495
David Boromisza

Seminar: Gender and Communication

◆COMM 4510, 3 semester hours, Call No. 40921
Lisa Flores

Seminar: Collaborative Decision Making

◆COMM 4600, 3 semester hours, Call No. 45498
COMM 5600, 3 semester hours, Call No. 45669
Stanley Deetz

DANCE

Introduction to Dance and Culture

◆DNCE 1029, 3 semester hours, Call No. 41783
Onye Ozuzu

ECONOMICS

Intermediate Macroeconomic Theory

ECON 3080, 3 semester hours, Call No. 42051
Faculty to be announced

Microcomputer Applications in Economics

ECON 4838, 3 semester hours, Call No. 42071
Faculty to be announced

ENGLISH

Literary Analysis

ENGL 2000, 3 semester hours, Call No. 42383
Lori Ann Emerson

Introduction to Fiction Workshop

ENGL 2051, 3 semester hours, Call No. 45582
Marcia Douglas

Topics in Popular Culture: American Thriller-Haunted House

ENGL 3246, 3 semester hours, Call No. 45585
S. Jones

Topics in Multicultural Literature

ENGL 3377, 3 semester hours, Call No. 42396
John Escobedo

Topics in Genre Studies: Reading and Writing Nonfiction

ENGL 3856, Section 001, 3 semester hours,
Call No. 42399
John-Michael Rivera

Topics in Genre Studies: Ballads

ENGL 3856, Section 002, 3 semester hours,
Call No. 45586
Sue Zemka

Topics in Genre Studies: Graphic Novel

ENGL 3856, Section 003, 3 semester hours,
Call No. 45587
Will Kuskin

Studies in American Literature to 1900

ENGL 4655, 3 semester hours, Call No. 45584
Nan Goodman

ENVIRONMENTAL STUDIES

Inequality, Democracy, and the Environment

ENVS 4027, 3 semester hours, Call No. 45346
Liam Downey

ETHNIC STUDIES

Introduction to Chicano Studies

◆ETHN 1016, 3 semester hours, Call No. 45677
Joseph Lugo

Exploring a Non-Western Culture: Hopi and Navajo

◆ETHN 1123, 3 semester hours, Call No. 45668
Deward Walker

Themes in American Culture 2

◆ETHN 2014, 3 semester hours, Call No. 42513
Faculty to be announced



Race, Class, and Gender

ETHN 3001, 3 semester hours, Call No. 45667
Faculty to be announced

The Sixties: Critical Black Views

◆ETHN 4672, 3 semester hours, Call No. 45671
William King

FILM STUDIES

Topics in Critical Film Study: Film Noir

FILM 3043, 3 semester hours, Call No. 45428
Jennifer Peterson

GEOGRAPHY

World Regional Geography

GEOG 1982, 3 semester hours, Call No. 42655
Faculty to be announced

Mountain Geography

GEOG 3251, 3 semester hours, Call No. 42660
Peter Blanken

Geography of International Development

GEOG 3682, 3 semester hours, Call No. 42662
Faculty to be announced

Environments and People

◆GEOG 4742, 3 semester hours, Call No. 45637
Faculty to be announced

GEOLOGICAL SCIENCES

Introduction to Field Geology

GEOL 2700, 2 semester hours, Call No. 42863
David Budd

GERMAN

The Enlightenment: Tolerance and Emancipation

◆GRMN 3505, 3 semester hours, Call No. 45402
Ann Schmiesing

Dada and Surrealist Literature

◆GRMN 3702, 3 semester hours, Call No. 45400
Patrick Greaney

HEBREW

Introduction to Jewish Culture

◆HEBR 2350, 3 semester hours, Call No. 43185
Zilla Goodman

HISTORY

Introduction to Japanese History

◆HIST 1708, 3 semester hours, Call No. 45404
Marcia Yonemoto

History of Early America

◆HIST 2015, 3 semester hours, Call No. 45533
Brian De Lay

Early Modern Societies (1459-1700): Europe

◆HIST 2112, 3 semester hours, Call No. 45420
Celine Dauverd

Modern U.S. Policy and Diplomacy

◆ HIST 2126, 3 semester hours, Call No. 45410
John Whitesides

War and Society in the Modern World: World War II in Asia

◆ HIST 2222, 3 semester hours, Call No. 45405
William Wei

HUMANITIES

The Enlightenment: Tolerance and Emancipation

◆ HUMN 3505, 3 semester hours, Call No. 45403
Ann Schmiesing

Dada and Surrealist Literature

◆ HUMN 3702, 3 semester hours, Call No. 45401
Patrick Greaney

Advanced Topics in the Humanities:

Hitchcock/Freud

HUMN 4093, 3 semester hours, Call No. 43327
Paul Gordon

Greek and Roman Novel

HUMN 4131, 3 semester hours, Call No. 45490
Andy Cain

INTEGRATIVE PHYSIOLOGY

Nutrition, Health, and Performance

◆ IPHY 3420, 3 semester hours, Call No. 43381
Suzanne Nelson

Critical Thinking: Motor Learning

◆ IPHY 4660, 3 semester hours, Call No. 43392
David Sherwood

INTERNATIONAL AFFAIRS

Special Topics: Regional Warfare

IAFS 3000, 3 semester hours, Call No. 43333
Faculty to be announced

LINGUISTICS

Language and Gender

◆ LING 2400, 3 semester hours, Call No. 45525
Faculty to be announced

MUSEUM AND FIELD STUDIES

Museums and Society

MUSM 4010, 3 semester hours, Call No. 44023
R. Nauman

PHILOSOPHY

Introduction to Philosophy

◆ PHIL 1000, 3 semester hours, Call No. 44078
Bradley Monton

Ethics

◆ PHIL 1100, 3 semester hours, Call No. 44082
Claudia Mills

Philosophy and Sciences

◆ PHIL 1400, 3 semester hours, Call No. 44085
Carol Cleland

Ethical Theory

◆ PHIL 3100, 3 semester hours, Call No. 44091
D. Mayer

POLITICAL SCIENCE

Introduction to Comparative Politics

◆ PSCI 2012, 3 semester hours, Call No. 44271
Faculty to be announced

Introduction to International Relations

◆ PSCI 2223, 3 semester hours, Call No. 44273
Faculty to be announced

Introduction to the Legal Process

PSCI 2481, 3 semester hours, Call No. 44275
Faculty to be announced

Public Opinion and Political Behavior

PSCI 3051, 3 semester hours, Call No. 45603
Faculty to be announced

International Behavior

PSCI 3193, 3 semester hours, Call No. 44286
Steve Chan

Critical Thinking in Development

◆ PSCI 4732, 3 semester hours, Call No. 45594
Faculty to be announced

Civil Rights and Liberties

◆ PSCI 4771, 3 semester hours, Call No. 44295
Faculty to be announced

PSYCHOLOGY

Behavioral Genetics

PSYC 3102, 3 semester hours, Call No. 44656
Greg Carey

Educational and Adolescent Development

PSYC 4114, 3 semester hours, Call No. 45378
Faculty to be announced

Critical Thinking: Psychology of Close Relationships

◆ PSYC 4521, Section 001, 3 semester hours,
Call No. 44672
Mark Whisman

Critical Thinking: Clinical Decision Making

◆ PSYC 4521, Section 002, 3 semester hours,
Call No. 44673
Natalie Smutzler

Advanced Topics in Social Psychology:

Psychological Judgments of Happiness

PSYC 4606, 3 semester hours, Call No. 45500
Bernadette Park

RELIGIOUS STUDIES

Women and Religion

◆RLST 2800, 3 semester hours, Call No. 45626
Lynn Ross-Bryant

RUSSIAN

Introduction to Russian Culture

◆RUSS 2211, 3 semester hours, Call No. 44839
Vicki Grove

SOCIOLOGY

Classical Theory

SOCY 3001, 3 semester hours, Call No. 44942
Bryan Snyder

Topics In Sex and Gender

SOCY 3046, 3 semester hours, Call No. 45545
Amy Wilkins

Whiteness Studies

SOCY 3171, 3 semester hours, Call No. 44948
Eleanor Hubbard

Sociology of Aging

SOCY 4002, 3 semester hours, Call No. 45536
Terry Mills

Juvenile Delinquency

◆SOCY 4024, 3 semester hours, Call No. 44953
Robert Regoli

Inequality, Democracy, and the Environment

SOCY 4027, 3 semester hours, Call No. 44954
Liam Downey

SPANISH

Second-Year Spanish 1

SPAN 2110, 3 semester hours, Call No. 45085
Faculty to be announced

Advanced Spanish Grammar

SPAN 3120, 3 semester hours, Call No. 45092
Faculty to be announced

Masterpieces of Spanish Literature: 1700 to the Present

SPAN 4160, 3 semester hours, Call No. 45111
Faculty to be announced

WOMEN AND GENDER STUDIES

Social Construction of Femininities and Masculinities

◆WMST 2020, 3 semester hours, Call No. 45275
Faculty to be announced

Topics in Sex and Gender

WMST 3046, 3 semester hours, Call No. 45546
Amy Wilkins

Women in Islam

WMST 3220, 3 semester hours, Call No. 45277
Faculty to be announced

CU Business Intensive Certificate (CUBIC)

CUBIC is an intensive 3-week program that teaches basic business principles to non-business majors and recent graduates. During CUBIC, students participate in a rigorous interactive learning experience that focuses on six areas of business education: accounting, finance, management, marketing, economics, and personal finance. CUBIC is taught by Leeds School of Business faculty and runs each year during Maymester. For more information, please visit leeds.colorado.edu/CUBIC.

LEEDS SCHOOL OF BUSINESS

Special Topics: The Business of Sports

BADM 2880, 3 semester hours, Call No. 45632
Faculty to be announced

Introduction to Business

BCOR 1010, 3 semester hours, Call No. 40506
Faculty to be announced

Business Statistics

BCOR 1020, Section 001, 3 semester hours,
Call No. 40512

BCOR 1020, Section 002, 3 semester hours,
Call No. 40513

Faculty to be announced

Redefining the Employee-Employer Relationship

MGMT 4010, 3 semester hours, Call No. 43961
Faculty to be announced

SCHOOL OF EDUCATION

School and Society

◆EDUC 3013
Section 001, 3 semester hours, Call No. 42162
Section 002, 3 semester hours, Call No. 42163
Section 003, 3 semester hours, Call No. 42164
Faculty to be announced

Teaching in American Schools

EDUC 3023, 3 semester hours
Sections 010 and 011 (Practicum), Call No. 42169
Faculty to be announced

Educational Psychology and Adolescent Development

EDUC 4112, 3 semester hours, Call No. 42174
Ben Kirshner

Principles and Methods of Secondary Education

EDUC 4122, 3 semester hours
Sections 010 and 011 (Practicum), Call No. 42176
Faculty to be announced

Educational Psychology for Elementary Schools

EDUC 4411, 3 semester hours, Call No. 42182
Susan Jurow

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

AEROSPACE ENGINEERING

Special Topics: Alternate Energy Electric Vehicles

ASEN 4519, 3 semester hours, Call No. 45605

ASEN 5519, 3 semester hours, Call No. 45606

Jean Koster

CIVIL ENGINEERING

Introduction to Geomatics

CVEN 2012, 3 semester hours, Call No. 41389

Milan Halek

Special Topics: Water Resource Management and Systems Engineering

CVEN 4834, 3 semester hours, Call No. 41395

CVEN 5834, 3 semester hours, Call No. 45342

Yi-Cheng Wang

ELECTRICAL AND COMPUTER ENGINEERING

Special Topics: Computer Programming for EE/ECE Majors

ECEN 1030, Sections 010 and 011 (lab), 4 semester hours, Call No. 45625

Term Q: May 11-June 5

Andrew Pleszkun

GENERAL ENGINEERING

Introduction to Engineering Computing

GEEN 1300, 3 semester hours, Call No. 45703

Term Q: May 11-June 5

Janet DeGrazia

HUMANITIES FOR ENGINEERS

Special Topics: The Vikings

HUEN 2843, 3 semester hours, Call No. 45517

Helga Luthers

Humanities for Engineers

HUEN 3100, Section 801, 3 semester hours,

Call No. 45390

Scot Douglass

Culture Wars in Rome

HUEN 3700, controlled enrollment. Contact Dean's Office for information.

Wayne Ambler

SCHOOL OF JOURNALISM AND MASS COMMUNICATION

Principles of Advertising

JOUR 2403, 3 semester hours, Call No. 43472

Faculty to be announced

Learn Advertising Over Maymester

The advertising A2B program at CU-Boulder is designed for non-advertising majors who want to pursue a career in advertising. In the three weeks of Maymester, you will learn by doing with the goal of opening your eyes as to how the advertising industry works, and how you can work in the advertising industry. For more information visit www.colorado.edu/conted/adsA2B.

Introduction to Public Relations

JOUR 4272, 3 semester hours, Call No. 43478

Faculty to be announced

Topics: Media Effects

JOUR 6871, 3 semester hours, Call No. 45617

Faculty to be announced

LAW SCHOOL

Spanish for Family Law

LAWS 6105, 2 semester hours, Call No. 45686

Faculty to be announced

Federal Tax Politics

LAWS 6138, 2 semester hours, Call No. 45691

Term Q: May 11-21, 2009

Maurice Foley

Comparative Law: U.S.-Israeli Law

LAWS 6210, 3 semester hours, Section 002,

Call No. 45696

Naomi Gale

Government Regulation of Business

LAWS 7221, 3 semester hours, Call No. 45685

Faculty to be announced

COLLEGE OF MUSIC

Guitar Class

MUEL 1145, 2 semester hours, Call No. 44007

S. Strode

Appreciation of Music

◆MUEL 1832, 3 semester hours, Call No. 44011

Yoshi Ishikawa

History of Jazz

MUEL 3642, 3 semester hours, Call No. 44014

Douglas Walter

Music Technology: Create Sound for Visual Media

MUSC 4121, 3 semester hours, Call No. 45567

MUSC 5121, 3 semester hours, Call No. 45568

John Drumheller

◆ Fulfills Arts and Sciences Core Curriculum
Course descriptions are available at www.colorado.edu/catalog.

Featured Classes

Summer Session offers you the opportunity to focus on new class offerings, on-line classes, and classes that allow you to explore new fields and meet your needs. Check out these classes and use them to focus, accelerate, and achieve!

ONLINE CLASSES

Summer 2009 features three on-line classes offered by outstanding CU-Boulder faculty. Register through Summer Session. Questions? Call **303-492-5148** or **800-331-2801**.

Shakespeare for Nonmajors

◆ENGL 3000, 3 semester hours, Section 102,
Call No. 45684
Term A: June 1–July 2, 2009
R L Widmann

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

America through Baseball

◆HIST 2516, 3 semester hours, Section 100,
Call No. 45591
Term A: June 1–July 2, 2009
Thomas Zeiler

Baseball could not have existed without America. This course explains how the game fits into the larger context of social, cultural, economic, and political history from the 19th century to the present. Students will study the events and people who made baseball the national pastime. Similar to HIST 4556. Restricted to non-history majors. Approved for arts and sciences core curriculum: United States context.



Mass Communication Law

JOUR 4651, 3 semester hours
Section 100, Call No. 45611
Term A: June 1–July 2, 2009
Section 200, Call No. 45612
Term B: July 7–August 7, 2009
Robert Trager

Students study state and federal laws and court decisions that affect mass communication in order to develop knowledge of mass media rights and responsibilities and an understanding of the legal system. Restricted to Journalism students with a minimum of 73 hours.

COLLEGE OF ARTS AND SCIENCES

Greek Art and Archaeology

◆ARTH 3039, 3 semester hours, Section 200,
Call No. 45485
◆CLAS 3039, 3 semester hours, Section 200,
Call No. 45484
Term B: July 7–August 7, 2009
Elspeth Dusinberre

Covers prehistoric Aegean through the fourth century B.C.E., considering architecture, pottery, painting, sculpture, and personal ornament. Societal customs such as use of space and burial patterns are considered as well as art and its uses, to help understand developments in Greek culture. Credit not granted for this course and FINE/CLAS 1009. Formerly FINE 3039. Approved for arts and sciences core curriculum: literature and the arts.

The Enlightenment: Tolerance and Emancipation

◆GRMN 3505, 3 semester hours, Section 001,
Call No. 45402

◆HUMN 3505, 3 semester hours, Section 001,
Call No. 45403

Term M: May 11–29, 2009

Ann Schmeising

Examines the Enlightenment belief in reason and the common humanity of all individuals and cultures. Emphasizes arguments for and against freedom of religion, abolition of slavery, and emancipation of women in 18th century European and American literature and thought. Approved for arts and sciences core curriculum: ideals and values.

Dada and Surrealist Literature

◆GRMN 3702, 3 semester hours, Section 001,
Call No. 45400

◆HUMN 3702, 3 semester hours, Section 001,
Call No. 45401

Term M: May 11–29, 2009

Patrick Greaney

Surveys the major theoretical concepts and literary genres of the Dada and Surrealist movements. Topics include Dada performance and cabaret, the manifesto, montage, the readymade, the Surrealist novel, colonialism and the avant-garde, and literary and philosophical precursors to the avant-garde. Taught in English. Approved for arts and sciences core curriculum: literature and the arts.

Topics in Peace and Conflict Studies: Communication and Conflict Management

PACS 3800, 3 semester hours, Section 100,
Call No. 45695

Term A: June 1–July 2, 2009

Heidi Burgess

Focuses on the communication skills necessary for effective conflict management and transformation of interpersonal, workplace, community, and national/international conflicts. It is primarily a hands-on, skills-based course in which students learn to identify their own and preferred conflict styles; they learn about and practice conflict communication skills, negotiation, mediation, dialogue, and other related conflict management and resolution techniques. Students also learn to identify which conflict strategies are most useful in what circumstances.

Sound and Music

◆PHYS 1240, 3 semester hours, Section 200,
Call No. 45444

Term B: July 7–August 7, 2009

Allen Hermann

Explores the physical processes that underlie the diversity of sound and musical phenomena. Topics covered include the physical nature of sound, the perception of sound, the perception of pitch and harmony, musical instruments, synthesizers and samplers, and room acoustics. Nonmathematical; geared toward nonscience majors. Meets MAPS requirement for natural science: chemistry or physics. Should not be taken by students with a math MAPS deficiency. Approved for arts and sciences core curriculum: natural science.

Science and Public Policy

◆PHYS 3000, 3 semester hours, Section 200,
Call No. 45445

Term B: July 7–August 7, 2009

Jerry Peterson

For nonscience majors. Reading, discussions, debates, and lectures are used to study how science affects society economically, intellectually, and in terms of health and national security. Another focus is how government fosters and funds scientific activities. Recommended prerequisite: completion of core science requirement. Approved for arts and sciences core curriculum: critical thinking.

Intensive Beginning Russian

◆RUSS 1050, 5 semester hours, Section 200,
Call No. 45590

Term B: July 7–August 7, 2009

Elena Kostoglodova

Covers same material as RUSS 1010 and RUSS 1020 combined in one course. Focuses on acquiring basic grammar (all cases for nouns, adjectives and possessives, verb conjugations, in all three tenses), and ability to understand and speak basic everyday Russian. Develops basic reading and writing skills and provides exposure to the fundamentals of the Russian culture. Credit not granted for this course and RUSS 1010 or 1020.

Advanced Topics in Sex and Gender: Youth Sexuality

SOCY 3046, 3 semester hours, Section 001,
Call No. 45545

Term M: May 11–29, 2009

Amy Wilkins

Students will use academic research to examine public debates about youth sexuality. Although American adults are not in agreement about how to manage youth sexuality, most agree that youth are too sexual, too early, and that youth sexuality is associated with negative problems such as teen pregnancy. We will analyze the historical and cultural antecedents of these attitudes about youth sexuality and then turn to research on youth sexual behavior.

LEEDS SCHOOL OF BUSINESS

Topics in Management: International Management

MGMT 4820, 3 semester hours, Section 200,

Call No. 45708

Term B: July 7–August 7, 2009

Suha Oguz, former Vice President, R&D, Gillette Global Business Unit

This class will examine topics in international business management.

SCHOOL OF EDUCATION

Educational Psychology and Adolescent Development

EDUC 4112, 3 semester hours, Section 001,

Call No. 42174

Term M: May 11–29, 2009

Ben Kirshner

Integrates theories and ideas from secondary school adolescent development and educational psychology. Students explore theories of learning and adolescent development/identity formation and consider implications for teaching, learner's motivation, and academic achievement. This course will integrate a service-learning component. The course is open to all undergraduates and meets the teacher education program requirement. Same as PSYC 4114.

Schools, Mathematics, and Social Justice

EDUC 6804, 3 semester hours, Section 501,

Call No. 45446

Term E: June 15–26, 2009

Debbie Hearty

Focuses on the intersection of schools, mathematics, and social justice. The course will explore the following questions: How do we understand “achievement gaps” in mathematics that occur along racial and economic lines? Historically, how have mathematics courses been used to “sort” students into different tracks? What are the consequences of these sorting processes? How have school structures (e.g., scheduling/course offering) perpetuated inequity in schools? What are curricular and pedagogical models that disrupt inequity in schools? How do teachers “teach against the grain” in mathematics? This course fulfills core graduate or elective credit for elementary and secondary C&I master's degree programs as well as other graduate programs in education.

Minor Degree Program in Business Administration

Use the summer to complete a business minor. An understanding of business principles and practices should be a part of every college degree. Enhance your employability as well as entrepreneurial opportunities and chances for job advancement. The Leeds School of Business offers a business minor to qualified CU-Boulder undergraduates enrolled in arts and sciences, engineering, music, or journalism. You can complement your major with knowledge of accounting, finance, marketing, management, and operations and information management. All required business classes are taken during the summer. With careful planning, you can complete the minor in two summers. Prerequisite courses must be completed as stated in course descriptions. For more information go to leeds.colorado.edu or call 303-492-6515.

Requirements

Excel Assessment*	Semester Hours
MATH 1071 Finite Math, OR passing a proctored math assessment test.* (If you have completed college algebra or precalculus, we will substitute those courses as well.)	3
ECON 2010 Microeconomics	4
ECON 2020 Macroeconomics	4
BCOR 1010 Introduction to Business	3
BCOR 1020 Business Statistics (Prerequisites: demonstrated Excel proficiency and 3 hours finite math)	3
BCOR 2000 Accounting and Financial Analysis (Prerequisites: BCOR 1010, 1020, demonstrated Excel proficiency, and 26 hours completed)	4
BCOR 2200 Introductory Finance (Prerequisites: BCOR 1010, 1020, 2000, ECON 2010 (or 2020), 2nd semester ECON series, demonstrated Excel proficiency, and 26 hours completed)	3
BCOR 2400 Fundamentals of Marketing (Prerequisites: BCOR 1010, 1020, 2nd semester ECON series (corequisite), and 26 hours completed)	3
BCOR 2300 Adding Value with Management (Prerequisites: BCOR 1010 and 26 hours completed)	3
BCOR 2500 Introduction to Business Systems (Prerequisites: BCOR 1010, 1020, and 26 hours completed)	3

*For details see leeds.colorado.edu >Academic Programs > Undergraduate Program > Curriculum and choose Business Minor.

Enacting Reform-Based Science Teaching

EDUC 6804, 3 semester hours, Section 601,
Call No. 42204
Term F: July 6–17, 2009
Erin Furtak

Science education reforms encourage teachers to help students to learn science through inquiry, modeling and argumentation, problem-based learning, and everyday assessment. This course will explore theory and research underlying these reforms, and address the dilemmas they raise in practice. Embedded into the course will be several cycles of design, enactment, and reflection, carried out with students attending summer camps on campus (e.g., Science Discovery-sponsored camps). Through this process, participants will characterize and document the dilemmas they face in science teaching, and will explore how their strengths in their current teaching impact their students, colleagues, schools, and profession. This course fulfills core graduate or elective credit for elementary and secondary C&I master's degree programs as well as other graduate programs in education.

Recent Research in Children's and Young Adult Literature

EDUC 6804, 3 semester hours, Section 603,
Call No. 45451
Term F: July 20–31, 2009
Shelby Wolff

This course revolves around the upcoming *Handbook of Research on Children's and Young Adult Literature* (Wolf, Coats, Enciso, & Jenkins, in preparation). The field of literature for the young is widely dispersed. Scholars in English and literature tend toward a text-oriented approach. Scholars in Education focus on the reader. Scholars in Library and Information Science (LIS) are often absent from the intellectual worldview of either end of the text-reader continuum. Students will read and analyze drafts of the individual chapters and discuss cross-cutting themes. Students will preview the work as well as an opportunity to help shape the final outcome.

Issues in Gifted Education

EDUC 6804, 3 semester hours, Section 604,
Call No. 45610
Term F: July 7–31, 2009
Diana Norcross

One of the starting points for discussion of gifted education is an examination of “giftedness” as a social construct. The labeling of a person as gifted, and the subsequent action taken on his/her behalf, depends largely upon the values of a society and the ways in which society shapes and perpetuates notions of giftedness. Also important is an understanding of the ways in which “giftedness” can be defined. Upon completion of this course, students should be able to discuss socio-cultural influences on gifted education, identify major

contributors in the field, describe characteristics of gifted students and the implications for academic instruction, discuss programming options for highly able learners, and analyze and critique curriculum models for gifted education. The course should prove useful for classroom teachers at all levels of education, as well as students of educational policy, educational research, curriculum theory, and diversity.

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

Special Topics: Alternative Energy Electric Vehicles

ASEN 4519, 3 semester hours, Section No. 001,
Call No. 45605
ASEN 5519, 3 semester hours, Section No. 001,
Call No. 45606
Term M: May 11–29, 2009
Jean Koster

Design-oriented course that focuses on developing a higher performance electric vehicle. Electric vehicles obtain energy from solar systems. The process will include reverse engineering of a full functioning commercially available “Zap Xebra” Electric Vehicle (EV).

Special Topics in Computer Science: Non-Symbolic Artificial Intelligence

CSCI 4830, 3 semester hours, Section No. 200,
Call No. 45572
Term B: July 7–August 7, 2009
Toshinori Munakata

Introduces newer AI fields such as neural networks, genetic algorithms (or evolutionary computing), and fuzzy logic. It also includes application in industrial, governmental, and commercial domains.



LAW SCHOOL

Advanced Legal Research and Writing: Writing for the Practice of Law

LAWS 6226, 3 semester hours, Section No. 100,
Call No. 45689
Term A: June 1–July 2, 2009
Natalie Mack

Offers an in-depth look at research resources and methods. Topics covered will include sources from the judicial, legislative, and executive branches of federal and state government; research in topical areas such as environmental law, taxation, and international law; and extensive coverage of secondary and non-law resources. Both print and electronic sources will be covered. Students will have intensive instruction in legal writing skills, including organizing, drafting, and revising legal writing. This course will focus on document drafting and exercises that emphasize the writing assignments commonly given to first and second-year associate attorneys.

COLLEGE OF MUSIC

Music in the Rock Era

MUEL 2852, 3 semester hours
Section 100, Call No. 44012
Term A: June 1–July 2, 2009
James Brody

Section 200, Call No. 44013
Term B: July 7–August 7, 2009
William Ross Hagen

Focuses on rock-oriented popular music from approximately 1955 forward. To better understand Music in the Rock Era (MiRE), the course also investigates important contributions that helped to lay the groundwork for rock (e.g. jazz, blues, R&B) and synthesis styles (e.g. various world musics). In addition to lectures, extensive listening

assignments are designed to foster animated discussions among the students. Brody also offers students the opportunity to give Beat! Fab! Gear! presentations on some facet of MiRE. Past B!F!G! presentations have dealt with particular styles (e.g. rap, ambient music), groups/individual performers (U2, Eminem), and more general topics (the impact of video on pop music, Rock in Russia).

Do You Hear What I Hear? Listening Experiences for K-8 Students

IMUS 5093, 1 semester hour, Section 500, Call No. 43338
Term E: June 4–5, 2009
Martina Miranda

In elementary general music, listening experiences can be effective in helping students make personal connections to the elements of music. This workshop will provide examples of a broad range of listening experiences appropriate for K-8 instruction. Topics such as successful teaching processes, management strategies, and age-appropriate experiences will be addressed. Requirements will include preparation of lesson plan examples, visual aids, and a small group presentation.

Playing Music By Ear for Classical Musicians (and anyone else)

IMUS 5093, 1 semester hour, Section 502, Call No. 45570
Term E: June 22–26, 2009
Kaila Flexer

Learning by ear is wonderful way to learn repertoire that is not written down, or contains idiomatic language that literally cannot be written down. Many classical musicians have a gap between the sound that enters their ear and the impulses that direct their fingers on their instrument. The ability to play by ear will strengthen the innate musicality of any musician in any musical situation. Students will participate in echoing exercises, improvisational games, and will learn several tunes from several folk idioms including Irish, bluegrass, and Balkan musics. After learning this repertoire by ear, students will cooperatively create their own musical arrangements by ear.



Music Across Colorado/Voices Across Time

IMUS 5093, 1 semester hour, Section 503, Call No. 45633
Term E: June 24–26, 2009

Thomas Riis

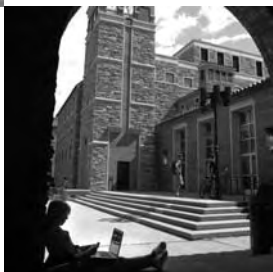
This three-day intensive is designed to introduce K-12 general music teachers, and also language, literature, and social studies teachers to a Colorado-customized version of a major music supplementary curricular resource called *Voices Across Time: American History Through Music*. Teaching tools and strategies are presented for generalists and non-musician teachers who wish to comprehensively (or partially) integrate 150 songs carefully chosen from United States folk, popular, and traditional music into their classes.

What Every Singer Needs to Know About the Body

IMUS 5093, 1 semester hour, Section 600, Call No. 43340
Term F: July 13–17, 2009

Bonnie Draina

The information provided in the course is precisely the information needed by singers to prevent pain and injury and to promote excellence in practicing and performing. This class gives specific, clear information about the body to singers, with an emphasis on integrating that information immediately into the musician's body map. During this course, singers will explore the structures of balance, breathing, and singing, investigate how changing movement changes sound, create a visual representation of their own body maps, receive individual instruction, and participate in group activities designed to enhance kinesthetic responsiveness and inclusive attention.



Honoring the Self in Music Education

IMUS 5093, 1 semester hour, Section 601, Call No. 45571
Term F: August 3–4, 2009

Sue Williamson

The first day addresses identifying sociological and culture influences which influence music teachers to overwork and under self-care. Teachers engage in small group discussion and workshops designed to help them examine which influences they can and cannot control. The second day provides an overview of medical and psychological techniques designed to reduce stress. Topics include examining the science behind the mind-body connection, types of deep breathing, effective visualization, and medical research related to the cycle of automatic negative thoughts. As a final project, participants create a personalized plan for renewal and health.

Music Technology: Create Sound for Visual Media

MUSC 4121, 3 semester hours, Call No. 45567
MUSC 5121, 3 semester hours, Call No. 45568
Term M: May 11–29, 2009

John Drumheller

This course will explore the technical aspects, aesthetics, and psychology of composing music for use with visual media. The major focus will be in the realm of film music and digital video, however, the principles and techniques of film scoring will transfer to other types of collaborative art forms that use music. Students will learn how to use the hardware and software in the Computer Assisted Music Laboratories (CAML) to create music that will synchronize with preexisting visual images as well as movies the students will make in class. Designed for majors and nonmajors. Students work on weekly projects that demonstrate the mastery of concepts and techniques learned throughout the term. The class culminates with a major final project consisting of a DVD created by the students that will be screened during the final exam time.

More

Summer Opportunities

Advance your academic progress while enjoying Summer in Boulder. Summer is a time of opportunity on the Boulder campus. The pace is a little slower. Sit outside and read or talk with friends. Check out the Heritage Center. Explore the night sky at the planetarium or the observatory. Attend a production of the Colorado Shakespeare Festival or CU Opera's Summer Season.

The **CU Heritage Center**, located on the third floor of Old Main, reflects the history of the University of Colorado. Seven galleries exhibit CU memorabilia including photographs of the first graduates in 1882 and the baseball, bat, and glove used by alumnus Robert Redford in *The Natural*. Visit www.cualum.org/heritage for more information or call **303-492-6329**.

Located on the Boulder campus, the **Sommers-Bausch Observatory** has telescopes used by astronomy classes and for graduate student research. Visit lyra.colorado.edu/sbo for the summer public viewing schedule and additional information or call **303-492-6732**.

Fiske Planetarium, one of the finest star theaters in the world, features live talks for the general public, laser shows, and star shows. Visit fiske.colorado.edu for up-to-date information on the summer schedule and program prices or call **303-492-5001** (recorded message) or **303-492-5002**.



The **University of Colorado Museum** has over four million artifacts and specimens. The new Paleontology Hall and fossil exhibits are a delight for all ages. The fossils and the rocks of Colorado provide clues to the history of life on our planet. The museum offers regular lectures, tours, and workshops for all ages and interests. Visit cumuseum.colorado.edu for information on special programs or call **303-492-6892**.

The **Colorado Shakespeare Festival** has grown to become one of the premier Shakespeare festivals in the country. In his second year as artistic director, Philip Sneed and the CSF present the best of classical theatre each summer. From late June to mid-August, the CSF will present in the Mary Rippon Outdoor Theatre: *Hamlet*, *Much Ado About Nothing*, and *To Kill A Mockingbird* by Harper Lee. At the indoor University Theatre, the CSF will present: *The Two Gentlemen of Verona* and *The Inspector General* by Nikolai Gogol. For more information visit www.coloradoshakes.org or call **303-492-0554**.

CU Summer Opera is a nationally known summer festival. For more information visit www.cuconcerts.org/opera.html or call **303-492-8008**.



ESPECIALLY FOR TEACHERS

Accomplished faculty, great courses, and stimulating students make Summer Session at CU-Boulder the place to be. With hundreds of courses to choose from, there's ample opportunity to advance your career, gain insight into subject matter, or spur your creative drive.

Many summer offerings within the College of Arts and Sciences, the School of Journalism and Mass Communication, the School of Education, the College of Engineering and Applied Science, and the College of Music may interest teachers. You can register and earn undergraduate or graduate credit as a nondegree or visiting student. A complete listing of courses is available on pages 23–54.

The School of Education is nationally recognized for its model teacher education and graduate programs. For more information visit www.colorado.edu/education or call 303-492-6937.

The online *Resource Directory for Educators* is a convenient source of information about statewide classes for teachers. Visit www.coloradoextendedcampus.org/rde for a complete listing of courses offered by CU and other Colorado public four-year institutions. The directory provides one-stop shopping for information on classes for professional advancement, re-licensure, or working toward an advanced degree.

If you have questions about classes for teachers, call 303-492-8252 to set up a time to meet with an academic advisor.



SUMMER OPPORTUNITIES FOR HIGH SCHOOL STUDENTS

Summer Study Programs

The Summer Study Programs at the University of Colorado at Boulder offer the “Total Precollegiate Experience” for high school students presently in 9th, 10th, and 11th grade. Students can choose from two exciting academic programs. The five-week residential college credit program provides students with the opportunity to take a college course taught by the distinguished CU-Boulder faculty. The three-week residential program provides pre-collegians with enrichment opportunities not generally offered as a part of high school curricula. Both programs include extensive recreational activities and sports clinics including rafting, hiking, mountain biking, tennis, pottery, soccer, basketball, and more. Summer Study participants make lifelong friendships as well as get the rare opportunity to “taste” college life while still in an organized and supervised environment. Experience a summer like never before! For more information check out www.summerstudy.com or call 800-666-2556.

Engineering High School Honors Institute

Through hands-on experience in the laboratory, classroom lectures, and demonstrations, learn how professional engineers fulfill the needs of society. High school juniors and seniors have the opportunity to experience college life as an engineering student by attending classes, participating in curricular and extracurricular activities, and exploring career opportunities. For more information visit ecadw.colorado.edu/engineering/hshi.

RESEARCH OPPORTUNITIES

The Undergraduate Research Opportunities Program (UROP)

UROP offers summer session undergraduate degree students a chance to work during the summer with world-class scholars. UROP creates research partnerships between faculty and undergraduate students. UROP is a campuswide program and includes students from all schools and colleges and academic disciplines from the traditional scientific fields to the creation of artistic works. Visit www.colorado.edu/research/UROP for more information or call 303-492-2596.

Undergraduate Research in Behavior, Ecology, and Evolution

Funded by the National Science Foundation, under the Research Experience for Undergraduates (REU) program, the Department of Ecology and Evolutionary Biology provides opportunities for undergraduate participation in research at the Mountain Research Station. The program trains selected undergraduate students in modern research methods in ecology, evolution, and behavior. This program is subject to grant funding. Visit www.colorado.edu/eeb/EEBprojects/reu, e-mail reuebio@colorado.edu, or call 303-492-7637 for more information.

Summer Multicultural Access to Research Training (SMART)

Ten-week summer research internships in science, math, and engineering are offered through the SMART program. SMART offers students the opportunity to conduct hands-on research with a faculty mentor and participate in scientific writing and oral presentation skills workshops. For information, visit www.colorado.edu/GraduateSchool/DiversityInitiative/undergrads/smart, or call 303-492-4607.

Ronald E. McNair Postbaccalaureate Achievement Program

This program was created in 1996 to honor Dr. Ronald E. McNair, an astronaut and physicist, who died in the Challenger explosion. The U.S. Congress endowed the Ronald E. McNair Postbaccalaureate Achievement Program to encourage college students with similar backgrounds to Dr. McNair to enroll in graduate study. The McNair Program prepares selected CU-Boulder undergraduates from all ethnicities to study at the doctoral level. More information is available at www.colorado.edu/SASC/mcnair or call 303-492-3729.

BE SURE TO CHECK OUT ...

INVST Community Studies

INVST Community Studies programs develop engaged citizens and leaders who work for the benefit of humanity and the environment. INVST offers a Community Leadership Program, a Youth Council for Public Policy, and Community Studies Electives. For more information visit www.colorado.edu/communitystudies or call 303-735-1625.

Summer Study Abroad

Many summer programs are available through the Office of International Education. All programs provide CU-Boulder credit; eligible students can use their CU-Boulder financial aid. Additional information is available at studyabroad.colorado.edu or e-mail studyabr@colorado.edu.

Ecology, Evolution, and Management

Ecology, Evolution, and Management of The Gulf of California is an intensive, 18-day field course taught at The Vermilion Sea Field Station, in Bahía de Los Ángeles, Baja California. Students will focus on a single ecosystem—the Midriff Island Area of the Gulf of California—and invoke many different disciplines to illuminate it. Students will also participate daily in research designed to inform management of a newly established Marine Protected Area. For more information e-mail Aaron Hirsh at aaron.hirsh@colorado.edu.

