Fall 2013 Course Offerings

College of Creative Studies Fall 2013 Course Offerings

ART CS 15, 1 EC# 01172

Art Colloquium

Art Colloquium is designed to assist you in making the most of your experience as a CCS art student. It is required for all new CCS Art Majors who are entering UCSB as freshmen or transferring into CCS in the fall quarter.

This course will:

- acquaint you with CCS privileges, expectations, course offerings and procedures
- familiarize you with UCSB campus offerings and opportunities available to you as art students
- introduce you to potential research tracks
- support your developing studio practice
- build community and dialogue between the CCS art students

We will meet weekly as a group on Thursday afternoons. You must <u>also</u> attend, the CCS Art Symposium (ART CS 106). Additional requirements outside of class will be listed in the course syllabus. Enroll in the Art Colloquium (ART CS 15) for 3.0 units. Time and location: Thursday, 2:30pm-4:30pm - Room 136

Enroll in the Art Symposium (ART CS 106, Section 1) for 1.0 unit. Time and location: Thursday 5-6:50pm, Embarcadero Hall, Isla Vista This course is a symposium that features visiting artists who lecture on their work.

Required Texts:

Holzwarth, H.W.	Art Now! Vol. 4	Taschen
ISBN-13: 978-3836528160		
ISBN-10: 3836528169		

Instructor:Linda EkstromTime:Thursday, 2:30 pm - 4:20 pmPlace:Bldg. 494, Rm. 136

ART CS 101, 1 EC# 01206

Life Drawing Workshop

A professional styled drawing workshop and a formal critique. First we draw from the model for 3 hours and then we critique for 1 hour. Serious students at all levels are welcome. CCS art majors are encouraged to repeat this class every quarter.

Most professional artists draw from life regularly throughout their careers. In addition to working on their own, artists often gather once a week to share a model and work together. (This is not limited to figurative, or even realist artists; this includes abstract painters, poets, singers, and other artists who value the discipline and discovery particular to this activity). There is no group assignment. The goal is to explore and "push" individual practice. Each artist is working on her own problems with the understanding that there is value to seeing the process and progress of others. This class adds a formal critique at the end to aid students in understanding and articulating the principles and practice of drawing the nude.

The Pose: The model will keep the same pose for each 3-hour session. Please note that students wishing to do "gesture" drawings may move around the room to have different poses to draw.

Materials: There is no restriction on size or medium except that the work be monochromatic. (Red chalk on white paper is monochromatic, red chalk on green paper is polychromatic). There are drawing boards in the classroom. Please do not remove or destroy them. The student purchases all other materials.

Units: Two units for attending all 10 classes and completing 10 drawings.

Additional units may be awarded for work done outside of class. This includes drawing and research. Additional units will be determined by the UC standard of one unit representing 3 hours of work per week, or 30 hours of work per quarter.

Instructor: Hank Pitcher Time: Wednesday, 9:00 am - 12:50 pm Place: Bldg. 494, Rm. 120

ART CS 105, 1 EC# 01354

Artists' Books: Structure, Space and Content

This course will explore the artists' book as a structure and a space for the containment and interplay of words and images. Both technique and content will be addressed to find appropriate pairings between the book structure and that which the structure contains. We will create a variety of bindings and forms within the tradition of artists' books, covering a broad range of options for your future book projects. While the course will explore artists' books as a genre having a particular form, content, and technique of its own, we will also see examples of how the book operates as a symbolic form, as sculpture extended into space, and as a component of an artist's larger body of work.

At an appropriate time during the quarter the focus will shift to your own research and the course project you plan to develop over the second half of the quarter.

Advanced students may take this course on an independent track and develop their work outside of the course syllabus.

NOTE: In addition to the class meeting time, you must also be able to attend lab on Thursday evenings from 6:00-8:00PM.

Enrollment is limited to 10, and at consent of instructor. Priority will be given to students who have taken Letterpress Printing in CCS or Print 14 in Art Studio.

Required Texts:

Golden, A. *Making Handmade Books, 100+ Bindings, Structures and Forms* Sterling Publishing, New York ISBN-13: 978-1-60059-587-5

Instructor: Linda Ekstrom Time: Wednesday, 1:00 pm - 4:50 pm (class) Thursday, 6:00 pm - 7:50 pm (lab) Place: Bldg. 494, Rm. 107

ART CS 112, 1 EC# 01503

Materials and Practices of Painting

This class is a thorough treatment of what every painter should know about materials and craft. There will be a presentation by the instructor at each meeting and students will paint in class as well. There will also be a written examination at the end of the quarter, successful completion of which will account for two of the four units offered for this class.

In addition to attending the presentations and passing the exam, to earn four units in this class you must do the following:

- build and prepare one well-crafted stretcher (strainer) complete with canvas*
- build and prepare one well-crafted panel for painting

- make a painting "in the manner of" another artist. You should choose an artist who made work before 1950 and whose work you have seen in person. Dan must approve the artist you choose.

- make one painting from observation

- make one painting using a material or technique you have never used before.

Instructor:	Dan Connally	
Time:	Monday, 1:00 pm - 3:50	pm
	Wednesday, 1:00 pm - 2:50	pm
Place:	Bldg. 494, Rm. 136	

ART CS 112, 2 EC# 01511

The Transverse Way

There's an old episode of The Simpsons - Season 9, Episode 11 for all you stattos out there - where Homer goes to the video store and rents Paint Your Wagon, starring Clint Eastwood and Lee Marvin. Expecting a western bloodbath - after all, these are two of the toughest guys ever to appear in ponchos he's horrified to discover that he's rented a musical: "Singing!!! They're singing!!! Singing is the lowest form of communication," screams Homer as he throws the tape in the garbage. Of course what he didn't realize at the time was that he had discovered a "transverse way" within the film - a genre invaded by another genre, which took it to another narrative place entirely. This has both comic and subversive potential - the "Springtime for Hitler" routine in Mel Brooks' The Producers is a classic filmic example - as well as culturally transformative ramifications: what if an entirely new audience - a people yet to come is in the process of being born through these very acts of transversailty in much the same way that subcultures evolved from a combination of anti-establishment rock music, political disaffection and the fashion industry? Each week this class will encourage students to build their own transversally hybrid connections between pre-existing social and cultural phenomena, weaving together art, film, music, politics, fashion, history, and social/media geography to create a new form of cultural studies that is always in the act of formation, where the students themselves are the active catalysts for developing new (albeit necessarily ephemeral) disciplines.

Required Texts:

Bogue, R. ISBN-10: 075466032X

Deleuze's Way

Ashgate

Instructor:Colin GardnerTime:Tuesday, 2:00 pm - 4:50 pmPlace:Bldg. 494, Rm. 136

ART CS 120, 1 EC# 01545

Material Knowledge

Students will select a single sculptural material for the duration of the academic term. A workbook will be kept in order to catalog the various properties of one's chosen material. Students are encouraged to select non-familiar materials that are cheap and abundant. The course goal is to build up effective strategies on how to intensely explore the potential value of any given material. Throughout the quarter, four distinct sculptural works will be presented based research completed. Basics of wood shop and tool demos will be conducted in class. No prior knowledge is required. All disciplines are welcome.

Instructor:Ryan BulisTime:Monday and Wednesday, 9:00 am - 11:50 pmPlace:Bldg. 494, Rm. 136

BIOLOGY

BIOLOGY READING PROJECTS

Reading projects to be arranged between the student and biology faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Kathy Foltz, Armand Kuris, John Latto, Bruce Tiffney, Claudia Tyler* or *Robert Warner*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Biology advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

BIOLOGY LABORATORY PROJECTS

Laboratory projects to be arranged between the student and biology faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty may be available for Independent Laboratory Projects: *Kathy Foltz, Armand Kuris, John Latto, Bruce Tiffney, Claudia Tyler* or *Robert Warner*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Biology advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

BIOLOGY CS 10, 1 EC# 03228

Biology Colloquium

THIS COURSE IS DESIGNED FOR AND REQUIRED OF NEW CREATIVE STUDIES BIOLOGY MAJORS (both incoming students to UCSB and transfer students from the College of Letters and Science).

It will provide a roadmap to enter the world of research and point the way to becoming a junior colleague rather than an undergraduate student. We will discuss styles of research, creativity, philosophy of science, and faculty-student relationships. We'll also introduce you to the tools necessary to read research papers, to seek preexisting information in the library and on the web, to generate and develop your own ideas and papers. In the latter part of the course we will use this information to determine how to gain access to a research laboratory at UCSB and how to move most rapidly towards intellectual parity with the sponsoring professors, graduate students, and postdocs in the laboratory.

Instructor:John Latto, Claudia Tyler, Armand Kuris and Bruce TiffneyTime:Wednesday, 3:00 pm - 4:50 pmPlace:Bldg. 494, Rm. 136

BIOLOGY CS 12, 1 EC# 03244

Introductory Biology

Biology CCS 12 is an augmentation to the MCDB 1A class, designed specifically for CCS biology students enrolled in that class. The course content will focus on introductory biochemistry, molecular cell biology, development and genetics, but it will also include content on understanding how the University works and successfully navigating one's first year at UCSB. The course will emphasize research, critical analysis and contemporary relevance, integrating MCDB 1A course material with the primary literature. The course will meet once per week for one hour.

Instructor:Stu FeinsteinTime:Thursday, 8:00 am - 8:50 amPlace:Bldg. 494, Rm. 160B

BIOLOGY CS 101, 1 EC# 03327

Ecology of Food

The choices we make as a society about the food we eat affects both the species being consumed and its ecosystem (and us, too, of course!). In this seminar-style course we will consider our food, acquired on land and from the sea, and discuss the natural history and ecology of our "prey" and its relationship with us.

We will start "on land" by reading "The Omnivore's Dilemma" by Michael Pollan, discussing industrial and organic agriculture, and the hunter-gatherer approach. In the second half of the course we will go "to the sea", reading "Four Fish" by Paul Greenberg to guide our study of the impact of history, geography and consumption on the wild stocks of salmon, seabass, cod, and tuna. Readings will be supplemented by research and popular articles.

Normative number of units awarded for the class is 2, with the option of an additional unit awarded for a research project in area of student's interest

Required Texts:

Greenberg, P. Four Fish: The Future of the Last Wild Food Penguin Group Inc ISBN: 1-101-43829-0

Pollan, M. *The Omnivore's Dilemma: A Natural History of Four Meals* Penguin Group Inc ISBN: 1-59420-082-3

Instructor: Claudia Tyler Time: Tuesday, 9:30 am - 10:50am Place: Bldg. 494, Rm. 136

CHEMISTRY

CHEMISTRY/BIOCHEMISTRY READING PROJECTS

Reading projects to be arranged between the student and chemistry/biochemistry faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Donald Aue* or *Leroy Laverman*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Chemistry/Biochemistry advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

CHEMISTRY/BIOCHEMISTRY LABORATORY PROJECTS

Laboratory projects to be arranged between the student and chemistry faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty may be available for Independent Laboratory Projects: Donald *Aue* or *Leroy Laverman*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Chemistry/Biochemistry advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

CHEMISTRY CS 103, 1 EC# 09506

Problem Solving in General Chemistry

This course is an adjunct to Chemistry 2A (honors general chemistry). Problem solving skills will be developed and supplemental lectures will reinforce key concepts. When appropriate, experiments in the upper division undergraduate laboratory will be performed to examine chemical concepts in a laboratory setting. All CCS students enrolled in Chemistry 2A are encouraged to enroll in this course.

Instructor:Leroy LavermanTime:Monday and Wednesday, 12:00 pm - 12:50 pmPlace:Bldg. 494, Rm. 136

Fall 2013 Course Offerings

COMPUTER SCIENCE

COMPUTER SCIENCE CS 1A, 1 EC# 09506

Computer Programming and Organization

This course is required for all incoming CCS Computer Science freshmen.

OPEN ONLY TO CCS CS MAJORS, except by permission of the instructor.

This course is the first half of a two quarter sequence (CS1A/CS1B) designed to prepare students to take upper division courses in Computer Science, and participate in undergraduate research projects in Computer Science under the direction of CCS and College of Engineering Computer Science faculty.

In both quarters, the course is paired with CS1L, "Programming Lab", where students undertake individual and group programming projects to build and reinforce their skills and knowledge.

CS1A provides students with the opportunity to build skills and knowledge in the following areas: problem solving and algorithm development, Java, C and C++ programming, software development tools, programming language paradigms (structured, functional and object-oriented programming), basic UNIX utilities and tools, basic data structures including arrays and linked lists representations of lists, stacks, queues, and binary trees, binary and linear search, sorting techniques, iteration vs. recursion, basic running time analysis, data representation.

In addition to basic skills in C, C++, and Java (which is a fundamental preparation for upper division CS courses at UCSB), other programming languages such as Scheme, Python, and JavaScript and others may be explored either because of the principles they illustrate, or based on student interest.

Instructor:Phill ConradTime:Monday and Wednesday, 3:30 pm - 4:50 pmPlace:Bldg. 494, Rm. 160B

COMPUTER SCIENCE CS 1L, 1 EC# 09555

Programming Lab

This course is required for all incoming CCS Computer Science freshmen.

*** OPEN TO CCS CS MAJORS. ALL OTHERS REQUIRE PERMISSION OF THE INSRUCTOR ***

This course is the laboratory course that supports the (CS1A/CS1B) sequence. This course is oriented around individual and/or group software projects completed by students that support, extend and transcend the learning that takes place in the CS1A/1B course.

Instructor: Phill Conrad Time: Thursday, 6:00 pm - 7csbccs:50 pm Place: Bldg. 494, Rm. 160B

COMPUTER SCIENCE CS 2, 1 EC# 09589

Foundations of Computer Science

Mathematical foundations of computer science: Introduction to propositional and predicate logic, set theory, functions and relations, mathematical induction and recursion, and an introduction to combinatorics.

Required Texts:

Rosen, K. Discrete Mathematics and Its Applications ISBN 13: 978-0-07-338309-5 2012		McGraw-Hill; 7th Ed.
Burger, E.B & Starbird, M. ISBN: 978-0-691-15666-8	8	Princeton Univ. Press

Instructor:Peter CappelloTime:Tuesday and Thursday, 9:30 am - 11:20 amPlace:Bldg. 494, Rm. 160B

Computer Science CS 140, 1 EC# 09837

Projects in Computer Science

Prerequisite: Consent of instructor.

This is a research and project oriented hands on course for advanced Computer Science students. This quarter the primary focus will be on Cloud Computing. Students are expected to work on a group or individual project which needs to be approved by the instructor. Students working on advanced individual projects outside of Cloud Computing are also welcome to join.

This is a hands-on lab class where participants will be expected to work on an advanced project, read, discuss and present research papers, and present their project progress continually to their peers. Units will be assigned by the instructor to reflect the extent and quality of student's participation and progress on group and/or individual projects.

Instructor:Murat KaraormanTime:Monday and Wednesday, 6:00 pm - 8:50 pmPlace:Bldg. 494, Rm. 143

Fall 2013 Course Offerings

LITERATURE

LITERATURE CS 101, 1 EC# 28241

How It's Done: The Craft of Poetry

Though you cannot teach a person to be a poet, you can teach the craft of poetry, which will help anyone interested in reading or writing poetry obtain a deeper knowledge of what it takes to produce successful verse. That poetry is a craft in no way implies that it is not an inspired form of writing. In fact, knowledge of craft facilitates inspiration and helps shape it in meaningful ways. In this course we will examine some of the great poems written by English and American authors, and discuss how they work in terms of craft. If a poem is "a little machine of words," as William Carlos Williams claims, we will all become ace mechanics by learning what parts are required to assemble a poem, what tools are necessary for the job, and how to use them to build a poem and make it run. No prior knowledge of craft is necessary, but a passing knowledge of prosody will be useful. Bring your interest in poetry, your enthusiasm for the subject, and your eagerness to learn.

Required Texts:

Hoagland, T. ISBN-13: 978-1-55597-455-8	Real Sofistikashun	Graywolf Press
Korn, A. ISBN: 1-885266-40-5	The Poem's Heartbeat	Copper Canyon Press, 2 nd ed.

Instructor:Kurt BrownTime:Tuesday and Thursday, 2:00 pm - 3:20 pmPlace:Bldg. 494, Rm. 143

LITERATURE CS 102, 1 EC# 28282

From Diaries to Stories

The diary as a literary form is as old as the hills. It's incredibly flexible. Authors of all kinds have kept diaries: the common writer, the king and queen, the rag-picket, the poet, the murderer, the mortician, the child, the student, the teacher (less often than the student), the philosopher, the philanderer, the concubine, the critic (less often than the teacher), the curmudgeon, the cur. Their interests in keeping diaries have varied as much as their vocations and luck. One element alone is common to diaries: the entry. In the strictest sense of the word diary, it should be daily, a daily entry. Writers often whole keeping records of their daily lives, thoughts, remembrances, and imaginings, have worked toward stories. That's what you'll be doing in this class.

You write five entries a week and print out one or two of them each week to be read in class; then, after the middle of the quarter you select, arrange, and revise entries to see how you can put some of them together into narratives. Your entries are the subject of the course, and besides writing your own you read everybody else's soon after they are handed out, preparing to discuss them in the next class. You write under pen names, so think of one before coming to class.

Instructor:Caroline AllenTime:Monday and Wednesday, 1:00 pm - 2:20 pmPlace:Bldg. 494, Rm. 143

LITERATURE CS 102, 2 EC# 28290

Short Fiction

In this class we will read short fiction, talk about short fiction, and write short fiction. We will explore various literary techniques, "craft," the nuts and bolts, and also explore matters less effable, like the importance of heart (the writer, says Chekhov, must have compassion down to his fingertips) and developing one's powers of attention (the writer, says Henry James, is one upon whom nothing is lost). Please be expected to read deeply, contribute in class, and write two to three finished short stories of reasonable length.

Required Texts:

Ed. by Halpern, D. ISBN-10: 0140079491 ISBN-13: 978-0140079494

The Art of the Tale

Penguin Books

Instructor: Edward Macker Time: Tuesday and Thursday, 3:30 pm - 4:50 pm Place: Bldg. 494, Rm. 143

LITERATURE CS 102, 3 EC# 28308

Introduction to Screenwriting

Screenwriting and new media are ever expanding mediums, and yet, in an age of constant visual stimulation, it remains a relatively untapped tool for young writers. Combining both written and visual story-telling, the screenplay is a unique genre because unlike other writing styles it is comprehensive, intended for a specific audience and has its own language. The goal of this course will be for students to understand the elements of screenplay, the larger methods, schools of thought, tools and structures (both experimental and traditional) in order to begin their own original work.

Screenplay marries written word, traditional character development, creativity and story structure with inclusive, modern story-telling. This course will work as an introduction to and overview of the creative and technical elements of screenwriting: theme, story structure, character, conflict, dialogue and format. The course will focus simultaneously on analysis of text (both already written and student work) and development of an original script, leaning more heavily towards writing. Analysis of narrative will help to strengthen understanding of how dramatic writing is translated to screen, as will further exploration of screenwriting components such as theory, movement, the use of cinematic elements and language of screenplay. Throughout the course students will work towards producing an original screenplay, idea, beat sheet, writing exercises and narrative.

Instructor:	Randall Shulman
Time:	Tuesday and Thursday, 2:00 pm - 3:20 pm
Place:	Bldg. 494, Rm. 143

LITERATURE CS 102, 4 EC# 28316

Writing a Memoir of a Family

Family life can mess you up, or pick you up, but writing about family is a world of material to explore and develop. In this course we'll workshop various kinds of narrative forms: creative nonfiction, fiction, that get at the essential truth of family life in its broadest sense and in its various manifestations. You'll create 35-40 pages that depict the complexity of family and that work as a creative narrative. We'll look into Junot Diaz's Drown, his first collection of short stories, as a model of how family memoir/fictionalized memoir can function at the highest level.

Required Texts:

Diaz, J. Drown

Hemingway, E. A Movable Feast

Instructor:Jervey TervalonTime:Thursday, 5:30 pm - 8:20 pmPlace:Bldg. 494, Rm. 143

LITERATURE CS 103, 1 EC# 28324

Expository Writing: Criticism and the Essay

This seminar will help students develop their skills in literary criticism and essay writing. We will work on identifying audiences and their expectations, making wise decisions about format, style, and method, and establishing effective, persuasive arguments through well-crafted prose. Our goal is to enable students to write confidently in a broad range of situations, with particular emphasis on genres they will find most useful in discussing literature, the arts, and other areas of the humanities.

We will examine the purpose, audience, genre, and criteria for effectiveness in all these situations by reading model works, writing three short papers and evaluating each other's work according to the recently created "Standards of Excellence for Critical and Scholarly Essays in the CCS Literature Program." We will discuss the role of evaluation in various rhetorical situations as well as the ethical implications of critical judgment as we refine our writing skills.

Required Texts:

Zinsser, W.	On Writing Well: 30 th Anniversary Editic Writing Nonfiction	on: The Classic Guide to W. Harper Perennial	
ISBN: 978-0060891541			
Williams, J. ISBN: 978-0205747467	Style: Lessons in Clarity and Grace	Longman, 10 th Ed.	
Hacker & Sommers ISBN: 978-0312542542	A Pocket Style Manual	Bedford/St. Martin's	

Instructor:	James Donelan
Time:	Tuesday and Thursday, 9:30 am - 10:50 am
Place:	Bldg. 494, Rm. 143

LITERATURE CS 103, 2 EC# 28332

Prose Workshop

The prose writing workshop offers students the opportunity to work exclusively with classmates who are at the same high level of accomplishment in the major. Students in the workshops produce original works of fiction or nonfiction, and submit them to their classmates and instructor for a close critical analysis. Workshop critiques (which include a detailed written report, as well as thorough line-edits) assess the mechanics and merits of the piece of writing, while the individual conferences with the instructor distill the various critiques into a direct plan of action to improve the work. A student writer develops by practicing the craft under the diligent critical attention of his or her peers and instructor. This dynamic is meant to continually assist the student writer toward new levels of creative endeavor. Students will have the opportunity to be workshopped twice during the quarter, and will be expected to write informal critiques of classmates' workshop pieces each class.

Instructor:Ellen O'ConnellTime:Monday and Wednesday, 4:00 pm - 5:20 pmPlace:Bldg. 494, Rm. 143

LITERATURE CS 103, 3 EC# 28340

The Literature of Music/The Music of Literature

This seminar will explore the intersection of literature (novels, poetry, short stories) and music (focusing on rock, jazz, rap, and other contemporary genres). Students will read, discuss, and write about three areas. First, we will study works with music as the subject. Second, readings will center on literature influenced by music in form. Third, we will explore music itself with literary connections.

Class will be predominantly instructor-facilitated discussion of readings, with occasional lecture and inclass writings. There will be one academic paper due, as well as a number of smaller writing exercises of both creative and academic nature.

Required texts include four books and a reader--students are encouraged to locate used copies of all texts. Sample authors include Michael S. Harper, David Wojahn, Jennifer Egan, Joyce Carol Oates, Denis Johnson, Nikki Giovanni, Patti Smith, and Bob Dylan, among others.

A course reader will also be available through AS Notes.

Required Texts:

Egan, J. ISBN: 978-0307477477	A Visit from the Goon Squad	Anchor
Wojahn, D. ISBN: 978-0822954923	Mystery Train	University of Pittsburg Press
Harper, M. ISBN: 978-0252011931	Dear John, Dear Coltrane	University of Illinois Press

Instructor:Robert KrutTime:Tuesday and Thursday, 12:30 pm - 1:50 pmPlace:Bldg. 494, Rm. 143

LITERATURE CS 105, 1 EC# 28365

Literature Symposium

Every quarter various poets, novelists, short story writers, journalists, playwrights, cartoonists, editors, publishers, filmmakers, and critics will present their work at the weekly CCS Literature Symposium. Students who attend all 10 meetings will receive 1 unit of college credit. If you miss the first day of symposium on Wednesday, April 1st, you must talk to Caroline Allen in order to remain enrolled for credit. The symposium is open to the community. Students who are not enrolled in the class are welcome to come to symposia that interest them.

Important Etiquette: Students should be in the Old Little Theatre no later than 4 o'clock. Students should sit in the first half of the seating area—no back row sleepers or doers of crossword puzzles! Do not leave before the end of the symposium. Our readers come here to give you the best of themselves. Please be courteous and attentive.

If you need special assistance due to a disability, please call 893-2364.

Instructor:Caroline AllenTime:Wednesday, 4:00 pm - 5:15 pmPlace:The Old Little Theater

LITERATURE CS 110, 1 EC# 28373

Milton

Along with Chaucer and Shakespeare, Milton is one of the three major writers on which the CCS Literature Program has always insisted. Over the quarter, we'll explore why this is so and why his poetry is so compelling. The emphasis will fall, as it must, on *Paradise Lost*, but we'll begin by reading some of the earlier poetry, and, as time permits, some of his prose. Milton sought – and attained – an eventful public life, one that spanned war and revolution in mid-seventeenth-century England. But when all his political hopes collapsed, they found transmuted expression in *Paradise Lost* and *Paradise Regain'd*, his paradoxical "anti-poem", which we'll also read.

Students can expect to write two papers and some informal response pieces to stimulate discussion.

Required Texts:

Kerrigan, W. & Rumrich, J. & Fallon, S. ed.

The Complete Poetry and Essential Prose of John Milton Modern Library

Instructor:Michael O'ConnellTime:Monday and Wednesday, 10:00 am - 11:20 amPlace:Bldg. 494, Rm. 143

LITERATURE CS 111, 1 EC# 28423

Faulkner's Apocryphal County

Faulkner, an regional author with an international reputation, portrayed the fictional Yoknapatawpha County in almost all of his writing. Although the translation is unverified, Faulkner once said that Yoknapatawpha means "water flowing slow through the flatland" in Chickasaw dialect, a description that might apply to his characters as well. Yoknapatawpha County's residents live downstream where the river fills and empties with the seasons, despite human trial and yearning, and the characters surrender to their landscape, even when the waters of the past rise, threatening to overflow and drown the present. We will study the most prolific period of Faulkner's long career, the years from 1929-1942, reading six novels that will give us a sense of the deep scope of Yoknapatawpha's humanity. Students will write two papers and give an in-class presentation on a novel.

Required Texts:

Faulkner, W. ISBN-10: 0679732241	The Sound and the Fury	Vintage
Faulkner, W. ISBN-10: 067973225X	As I Lay Dying	Vintage
Faulkner, W. ISBN-10: 0679748148	Sanctuary	Vintage
Faulkner, W. ISBN-10: 0679748148	Light in August	Vintage International/Random House
Faulkner, W. ASIN: B009CRX7VG	Absalom, Absalom!	Vintage Books USA
Faulkner, W. ISBN-10: 0679732179	Go Down, Moses	Vintage

Instructor: Ellen O'Connell Time: Monday and Wednesday, 2:30pm - 3:50 pm Place: Bldg. 494, Rm. 143

LITERATURE CS 114, 1 EC# 28555

Langston Hughes, Poetics, and Criticism

This class will examine the formal, thematic, and aesthetic aspects of the poetry of Langston Hughes. He is the most important African American poet of the twentieth century. He is also a poet and writer whose work is of great significance to both American and African American literature, and to the practice of modern writing. This class will focus on the poems, but it will do also use poetry criticism as way of anchoring our reading. Topics under discussion will include: (a) which characteristics of Hughes's poetry can be called "African American"? What is not "African American" about it? What is the difference? What is the significance (if any) of the difference? (b) "Jazz age" poetics and Modernist poetry; (c) poetic language, vernacular language, and poetic form; (d) the Harlem Renaissance, the "Black Atlantic," and Langston Hughes; (e) whether criticism does Hughes justice; and (f) literary tradition, stereotype, and anti-stereotype in Hughes's work. To this end, the discussion in each class meeting will be prompted by a consideration of the work of one critical reading of Hughes's poetry, to which we will add our own critical readings, through discussion as well as through the critical essays students will write.

Required Texts:

Hughes, L.The Collected Works of Langston Hughes, Vol. 1, The Poems: 1921-1940
University of Missouri PressISBN: 978-0826213396The Collected Works of Langston Hughes, Vol. 2, The Poems: 1941-1950
University of Missouri PressISBN: 978-0826213402The Collected Works of Langston Hughes, Vol. 3, The Poems: 1951-1967
University of Missouri PressHughes, L.The Collected Works of Langston Hughes, Vol. 3, The Poems: 1951-1967
University of Missouri PressISBN: 978-0826213419

Instructor:Geoffrey JacquesTime:Tuesday and Thursday, 12:30 pm - 1:50 pmPlace:Bldg. 494, Rm. 160B

LITERATURE CS 114, 2 EC# 28563

Naturalist Classics Older and Newer

Jon Young, in his profound new book *What the Robin Knows*, shares a quote from a San Bushman:

"If one day I see a small bird and recognize it, a thin thread will form between me and that bird. If I just see it but don't recognize it, there is no thin thread. If I go out tomorrow and see and really recognize that same individual bird again, the thread will thicken and strengthen just a little. Every time I see and recognize that bird, the thread strengthens. Eventually it will grow into a string, then a cord, and finally a rope. This is what it means to be a Bushman. We make ropes with all aspects of the creation in this way."

In this class we will read Mary Austin's *The Land of Little Rain*, Aldo Leopold's *A Sand County Almanac*, David Abram's *The Spell of the Sensuous*, and Jon Young's *What the Robin Knows*, four classic books by writers who have made ropes with creation, writers who inspire a healing intimacy with the great family of natural things.

In addition to careful reading, classroom discussions, and two substantial essays, we will also make trips down to the lagoon to write and poke around "in nature."

Modern Library

Required Texts:

Austen, M.	The Land of Little Rain
Leopold, A.	A Sand County Almanac
Abram, D.	The Spell of the Sensuous
Young, J.	What the Robin Knows

Instructor:	Edward Macker
Time:	Tuesday and Thursday, 11:00 am - 12:20 pm
Place:	Bldg. 494, Rm. 143

LITERATURE CS 114, 3 EC# 28571

Strange Familiars

From *Beowulf's* Scandanavia to Marlowe's Malta, Bishop's Brazil to Walcott's Caribbean, Lahiri's immigrant American to Friel's Ireland and Coetzee's Imperial outpost, this course will chart an expansive itinerary traversing centuries and a variety of geographies. Exploring the unfamiliar worlds of their narratives, this course will seek in their imagined encounters between natives and foreigners, insiders and outsiders, colonizers and colonized, to understand what it means to be foreign or familiar, and how these cultural exchanges impact our individual and communal identity. In our age of globalization, we have *Lonely Planets* enough to make the farthest flung town a little less lonely, a little more familiar, but through our readings of these texts, we will interrogate the politics and ethics of familiarizing the unfamiliar, along with the attractions and dangers that attend these *strange* encounters.

Required Texts:

Seamus Heaney Translation ISBN: 978-0393320978	Beowulf	W. W. Norton & Company, 2001 Ed.
Marlowe, Christopher ISBN: 978-0713677669	The Jew of Malta	Bloomsbury Methuen Drama, 3 rd Ed.
Friel, Brian ISBN: 978-0571117420	Translations	Faber and Faber, 1995 Ed.
Coetzee, J. M. ISBN: 978-0140061109	Waiting for the Barbarians	Penguin, 1999 Ed.

Instructor:	Pavneet Aulakh
Time:	Monday and Wednesday, 11:30 am - 12:50 pm
Place:	Bldg. 494, Rm. 143

Fall 2013 Course Offerings

MATHEMATICS

MATH CS 101, 1 EC# 30805

Solving Problems in Combinatorics

Combinatorics deals with ways of arranging and distributing mathematical objects and involves ideas from geometry, algebra, and analysis. This area of mathematics has numerous applications within mathematics but also in other fields such as engineering, computer science, statistics, biology, etc. In this course we will focus on Ennumerative Combinatorics, that is counting the number of elements of a finite set. Although we all may think that we knowhow to count, this course will show that there are many counting questions that are not trivial to answer and it will provide interesting tools to answer them.

This course is mainly a problem-solving course. The focus will be on students solving problems rather than an instructor lecturing.

Instructor:	Maria Isabel Bueno Cachadina	
Time:	Tuesday and Thursday, 2:00 pm - 3:20 pm	
Place:	Bldg. 494, Rm. 164B	

MATH CS 103, 1 EC# 30866

Linear Algebra

In this course, we will cover the following topics: Systems of linear equations, matrix algebra, determinants, vector spaces and subspaces, basis and dimension, linear transformations, eigenvalues and eigenvectors, diagonalization, and orthogonality.

Required Texts:

Lay, D. ISBN: 0321385179	Linear Algebra, 4th edition	Addison Wesley (Pearson)
Instructory	Dodrojo Portlatt	

Instructor:Padraic BartlettTime:Monday, Wednesday and Friday, 2:00 pm - 3:20 pmPlace:Bldg. 494, Rm. 164B
MATH CS 103, 2 EC# 30874

Advanced Linear Algebra I

This is a first-year course, which is part of a sequence of two consecutive courses.

In this course, we will cover the main topics in Linear Algebra: vector spaces, linear transformations, matrices, systems of linear equations, and determinants.

The language and concepts of matrix theory and, more generally, of linear algebra, have come into widespread usage in the social and natural sciences, computer science, and statistics. In addition, linear algebra continues to be of great importance in modern treatments of geometry and analysis.

Required Texts:

S. Friedberg, A, Insel & L.E. Spence *Linear Algebra, 4th edition* Pearson ISBN-10: 0130084514 ISBN-13: 978-0130084514

Instructor:Maria Isabel Bueno CachadinaTime:Monday, Wednesday and Friday, 11:00 am - 12:20 pmPlace:Bldg. 494, Rm. 164B

MATH CS 120, 1 EC# 30916

Introduction to Higher Mathematics

The main goal is to become accustomed to thinking about and writing about mathematics clearly and accurately while, at the same time, learning basic techniques that will be used in the upper division courses. Specific topics may include: Sets and Proofs, Number Systems, Decimals, Induction, Euler's formula and Platonic Solids, Prime Factorization, Complex Numbers, Congruence of Integers, Equivalence Relations, Counting and Choosing, Infinity

Required Texts:

Liebeck, M.	A Concise Introduction to Pure Mathematics	Chapman & Hall 3 rd ed.
ISBN: 1439835985		

Instructor: Martin Scharlemann Time: Monday and Friday, 1:00 pm - 1:50 pm Wednesday, 1:00pm - 2:50pm Place: Bldg. 494, Rm. 160B

MATH CS 120, 2 EC# 30924

Multidimensional Analysis: Integration

This is the second part of a two-quarter sequence on Multidimensional Analysis. This course focuses on integration. We will start with a brief review of integration in one variable. The first part of the course will present the main ideas of multiple integrals: volume and the n-dimensional integral, Riemann sums, iterated integrals and Fubini's theorem, the change of variables theorem, and improper integrals. The second part of the course studies line and surface integrals, Green's theorem, and Stokes' theorem.

Required Texts:

Edwards Jr., C. H. ISBN: 0486683362	Advanced Calculus of Several Varial	bles Dover Publications, rev. ed.
Optional Texts:		
Friedman, A. ISBN: 0486457958	Advanced Calculus	Dover Publications, Dover Ed ed. 2007

Instructor:Xianzhe DaiTime:Tuesday and Thursday, 9:30 am - 10:50 amPlace:Bldg. 494, Rm. 164B

Fall 2013 Course Offerings

MUSIC COMPOSITION

MUSIC COMPOSITION CS 101, 1 EC# 36137

Individual Instruction in Composition

One on one instruction in music composition, with an emphasis on music in the notated tradition. Priority given to CCS Music Composition Majors. All others require the permission of the instructor to enroll **prior to registration.**

Students should come by Old Little Theater 154B to sign up for a lesion time prior to the first day of classes.

Information: leslie.hogan@ccs.ucsb.edu

Instructor:Leslie HoganTime:To Be ArrangedPlace:Bldg. 494, Rm. 154B

MUSIC COMPOSITION CS 101, 2 EC# 36145

Individual Instruction in Composition

Individual instruction in music composition. Weekly schedule to be arranged with the instructor.

Permission of Instructor Required to Enroll. haladyna@music.ucsb.edu

Instructor:	Jeremy Haladyna
Time:	To Be Arranged
Place:	Music Bldg., Rm. 0313

MUSIC COMPOSITION CS 103, 1 EC# 36228

Variation

Most students of composition are familiar with the uses of variation on a micro level, that is, at the level of the phrase. This course will concern itself with variation techniques at the macro level: variation as a structural principal. As models, we'll turn not only to music in the standard repertory, but to 20th century works such as George Rochberg's Caprice Variations, Charles Ives's Variations on America, and Aaron Copland's Piano Variations. Students will write all music for the same 3 to 5 member ensemble, to be determined at the beginning of the quarter, with the goal of having a completed set of variations for chamber at the end of the quarter.

Instructor: Leslie Hogan Time: Tuesday and Thursday, 12:30 pm - 1:50 pm Place: Bldg. 494, Rm. 154

MUSIC COMPOSITION CS 103, 2 EC# 36236

Contemporary Keyboard Writing with Practical Exercises (includes pipe organ module)

This offering, popular in four previous runs with CCS composers, returns—again with a module on contemporary writing for the *pipe organ*, which holds often overlooked possibilities for today's composer. Previous classes have produced many short keyboard essays that have appeared both in concert and in the recording studio at Kerr Hall.

Keyboard writing is an area that plagues and discourages young composers who are not first pianists. As in orchestration, there are tricks and secrets to writing effectively for the keyboard, and it has never been--nor will it ever be--necessary for all composers to possess virtuoso skills. The practical exercises will not be in direct imitation of composers or styles. They will aim at one practical result: <u>the effective</u> realization of keyboard textures. Material will be recast into one or another texture, so that we will be orchestrating with keys.

Keyboard jazz idiom is *not* the focus of the course (it deserves a major study of its own). Rather, we'll be tackling the concert masterpieces of composers such as Ives, Dallapiccola, Boulez, Crumb, Messiaen, Cage, Ohana, Rochberg, Reich, Hindemith and Rzewski. We'll touch on the familiar, such as the finale of Prokofiev's 7th Sonata...and the offbeat, such as the bizarre, head-scratching complications of Sorabji's "Opus Clavicembalisticum."

The instructor is a keyboard composer and a concert musician with decades of experience on piano and organ, and commercial CD performances released on the CRI, Neuma, innova and Albany labels.

Open to anyone currently studying musical composition at UCSB.

ASSURANCE of 4.0 units credit is based on accrual of earned points. An award of 4.0 units will entail completion of all **6** assignments to an average or higher-than-average level.

Instructor:	Jeremy Haladyna
Time:	Monday, Wednesday, and Friday, 1:00 pm - 1:50 pm
Place:	Bldg. 494, Rm. 154

PHYSICS

PHYSICS LABORATORY PROJECTS

Laboratory projects to be arranged between the student and physics faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Laboratory Projects: *John Martinis*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Physics advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

PHYSICS READING PROJECTS

Reading projects to be arranged between the student and Physics faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Sathya Guruswamy* or *Tengiz Bibilashvili*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Physics advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

PHYSICS CS 15A, 1 EC# 39537

Experimental Physics

Sign up for one lab section or the other (Wednesday OR Friday - NOT BOTH!)

Course Web Page: <u>http://www.physics.ucsb.edu/~phys13/</u>

This is the first quarter of a year long class designed to help you learn to do experimental physics research. In the first quarter, you will investigate three systems experimentally. It will be up to you to decide what to measure, how to measure it, and what the data mean. Each of you will work alone on your own experiments, and write a short paper about each one.

The quarter will be divided into three equal periods, and you will sign up for which experiment you want to do during each period. The experiments will be:

1. Attenuation of a laser beam by copper sulfate solutions.

- 2. The period of a pendulum.
- 3. Flow through small diameter tubes.

You will have access to the classroom at all times for self-directed work on the experiments. Each week you will meet with the instructor to go over your progress and get some guidance.

The second and third quarters will cover computer control of experimental apparatus and mechanical design and fabrication. The preparation provided by this class has helped many students get summer positions in research labs on campus and elsewhere.

A lab fee will be assessed to your BARC account.

Required Texts:

Taylor, J.An Introduction to Error AnalysisISBN 13: 9780935702750

University Science Books

Optional Texts:

Williams, R. *The Non-Designer's Design Book* ISBN 13: 9780321534040 Peachpit Press

Instructor: John Martinis Time: Wednesday, 2:00 pm - 2:50 pm (Lecture) Wednesday, 3:00 pm - 5:50 pm (Lab) Place: Broida Hall, Rm. 6334

PHYSICS CS 15A, 2 EC# 39545

Experimental Physics

Sign up for one lab section or the other (Wednesday OR Friday - NOT BOTH!)

Course Web Page: <u>http://www.physics.ucsb.edu/~phys13/</u>

This is the first quarter of a year long class designed to help you learn to do experimental physics research. In the first quarter, you will investigate three systems experimentally. It will be up to you to decide what to measure, how to measure it, and what the data mean. Each of you will work alone on your own experiments, and write a short paper about each one.

The quarter will be divided into three equal periods, and you will sign up for which experiment you want to do during each period. The experiments will be:

- 1. Attenuation of a laser beam by copper sulfate solutions.
- 2. The period of a pendulum.
- 3. Flow through small diameter tubes.

You will have access to the classroom at all times for self-directed work on the experiments. Each week you will meet with the instructor to go over your progress and get some guidance.

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University Science Books

Optional Texts:

Williams, R. *The Non-Designer's Design Book* ISBN 13: 9780321534040 Peachpit Press

Instructor: John Martinis Time: Wednesday, 2:00 pm - 2:50 pm (Lecture) Friday, 3:00 pm - 5:50 pm (Lab) Place: Broida Hall, Rm. 6334

PHYSICS CS 31, 1 EC# 39594

Newtonian Mechanics

This course is required for CCS Physics freshmen.

Vectors. Kinematics. Newton's laws of motion. Work and energy. Conservative forces. Momentum. Conservation of momentum. Center of mass motion. Collisions. Systems of variable mass. Introduction to rotations.

Note: All enrolled students must attend both the lecture and weekly assigned problem session.

Required Texts: An Introduction to Mechanics Kleppner and Kolenkow McGraw Hill ISBN 13: 9780521198219 *Physics*, *Volume 1 (5th edition)* Wiley Resnick, Halliday, and Krane ISBN 13: 9780471320579 The Feynman Lectures on Physics, Vol. 1 Feynman, Leighton and Sands Basic Books ISBN 13: 9780465024933 Instructor: Tengiz Bibiliashvili (Lecture) **TBA** (Problem Sessions) Tuesday and Thursday, 3:30 pm - 4:50 pm (Lecture) Time: Wednesday, 1:00 pm - 2:50 pm (Problem Session I) Wednesday, 3:00 pm - 4:50 pm (Problem Session II) Bldg. 387, Rm. 103 (Lecture) Place: Bldg. 387, Rm. 104 (Problem Sessions)

PHYSICS CS 34, 1 EC# 39602

Electromagnetism

Electric fields. Electric Potential. Electric Currents. DC circuits. Magnetic Fields. The Vector Potential.

Prerequisite: Physics CS 33 or equivalent, vector calculus and consent of instructor.

Note: All enrolled students must attend both the lecture and weekly assigned problem session.

Required Texts:

Resnick, Halliday, ISBN 13: 9780471		Physics, vol. 2	Wiley
Purcell ISBN 13: 9781107	013605	Electricity and Magnetism	McGraw-Hill
Feynman ISBN 13: 9780465	024940	The Feynman Lectures in Physics Volume II	Basic Books
Instructor:		iuruswamy (Lecture) blem Session)	
Time:	Tuesday and Thursday, 3:30 pm - 4:50 pm (Lecture) Thursday, 1:00 pm - 2:50 pm (Problem Session I) Thursday, 10:00 am - 11:50 am (Problem Session II)		
Place:	Bldg. 387	7, Rm. 104 (Lecture) 7, Rm. 103 (Problem Sessions)	51011 11)

Winter 2014 Course Offerings

College of Creative Studies Winter 2014 Course Offerings

ART

Winter 2014 Course Offerings ART CS 15, 1 EC# 00679

Perspective Workshop

The CCS Perspective Colloquium will offer students a chance to meet once a week on Thursday from 2 to 4pm and discuss linear perspective. I will lead the colloquium such that the focus will be academic formulas used to make linear perspective and practice drawing linear perspective. Drawing linear perspective takes practice as an activity, the same way as putting in golf would, because of the factor of physical control. The perspective colloquium is a great opportunity for art majors to hone their skills, and great for all majors to learn an important drawing technique.

Instructor:Student Leader: Evan Lange
Faculty Advisor: Hank PitcherTime:Thursday, 2:00 pm - 3:50 pmPlace:Bldg. 494, Rm. 120

Life Painting

This class is about developing a personal response to the tradition of painting the nude. We will discuss historical and contemporary artists that the class is interested in and look for techniques, principals and archetypes that are relevant to the individuals and the class as a whole. We paint for at least 3 hours each class from the model, who will hold one pose. We have easels. Paint and canvas/panel is up to the student. There are no restrictions regarding size or medium. We work the first day.

Methods and materials will be discussed in relations to individual practice.

You will work outside of class on the paintings that you start in class.

You are expected to own a copy of The Nude, by Sir Kenneth Clark, and read it regularly. Additionally, you are expected to study historical and contemporary artists that can inform your studio practice. Bring reproductions of paintings you are studying to class each meeting for discussion.

Appearance and the picture plane are similar, they are both 2 dimensional - this is the basic meanings for the creative process. - Hans Hoffman

The space between the extreme poles inside and outside the foot called the ancle or ancle bone a b is equal to the space between the mouth and the inner corner of the eye. - Taken from The Notebooks of Leonardo da Vinci edited by Jean Paul Richter, 1880.

Required Texts:

Clark, Sir Kenneth

The Nude

Instructor: Hank Pitcher Thursday, 9:00 am - 12:50 pm Time: Place: Bldg. 494, Rm. 120

Life Drawing

A professional style drawing class and a formal critique. First we draw from the model for 3 hours and then we critique for 1 hour. Serious students at all levels are welcome. CCS art majors are encouraged to repeat this class every quarter.

In addition to their own studio practice, many professional artists draw from life regularly throughout their careers. These artists often gather once a week to share a model and work together. (this is not exclusive to figurative artists; this includes abstract painters, poets, musicians, and other artists who value the discipline and discovery particular to this activity.)

There Is no group assignment. The goal is to develop individual practice. Each artist works on her own problems with the understanding that there is value to seeing the process and progress of others. This class adds a formal critique at the end to aid students in understanding and articulating the principles and practice of drawing the bude.

The model will keep the same post for each 3-hour session. Please note that students wishing to do "gesture" drawings may move around the room to have different poses to draw. Each week each student is required to bring in a sketch or reproduction of a pose they would like to draw.

Materials: There is no restriction on size or medium except that the work be monochromatic. (Red chalk on white paper is monochromatic, red chalk on green paper is polychromatic.) There are drawing boards in the classroom and basic white drawing paper is provided if requested. Students are encouraged to experiment with different materials to suit their practice.

Two units for attending all 10 classes and completing 10 drawings.

Additional units may be awarded for work done outside of class. This includes drawing and research. Additional units will be determined by the UC standard of one unit representing 3 hours of work per week, or 30 hours of work per guarter.

All Students should spend at least two hours per week reading about and studying the history and tradition of figure drawing in relation to their own interests and goals. I recommend that every student own a copy of The Nude, by Sir Kenneth Clark. New and used copies and easy to get online. We will discuss your research during critique.

Instructor:	Hank Pitcher
Time:	Tuesday, 9:00 am - 12:50 pm
Place:	Bldg. 494, Rm. 120

EC# 00729

Painting

This class is open to CCS Art majors at any level and to others by consent of the instructor. Through a combination of prescribed assignments and open-ended understanding of the language(s) of painting and help them make the paintings they want to make.

Instructor:Dan ConnallyTime:Tuesdays, 1:00 pm - 3:50 pmPlace:Bldg. 494, Rm. 120

Winter 2014 Course Offerings

ART CS 105, 1

EC# 00836

Introduction to Letterpress Printing

In a world in which we are inundated with countless words, letterpress printing reminds us again of a certain level of commitment for the words we choose to frame and fix within the space of the page. This course will introduce the student to letterpress printing focusing on the methods and technology for setting metal type and printing using the letterpress. There will also be an emphasis on analyzing the design of print works to better understand how compositional elements, such as, text, image, color, scale, texture, blank space and more, interact visually within the space of the page.

Enrollment is limited to 10 students.

Beginnings students must be able to attend both class and lab. CONTACT INSTRUCTOR FOR ADD CODE: ekstrom@arts.ucsb.edu

Required Course Reader at Alternative Copy on campus.

Instructor: Linda Ekstrom Time: Wednesday, 1:00 pm - 4:50 pm (class) Thursday, 6:00 pm - 7:50 pm (lab) Place: Bldg. 494, Rm. 107 (Print Shop)

EC# 00968

Exploring Truth, Fiction, & Autobiography - Art & Life Intertwined

Exploring the blurring boundaries in our own lives between truth and fiction, real and imagined, and art and life. Students will conceive and implement several autobiographical writings, performances, works, interactions, tasks, or activities. Experimentation with media, location and concept is encouraged.

Instructor:Kip FulbeckTime:Monday, 1:00 pm - 3:50 pmPlace:Bldg. 494, Rm. 136

Winter 2014 Course Offerings

ART CS 120, 1

EC# 01008

Humor and Subversion in the Visual Arts

This class will explore the use of humor in contemporary art. We will look at the legacy of the trickster, jester, and fool in the light of its kinship with the artist. Why do we laugh? How does an image or object become comic? And what is humor's relationship to power and subversion in recent practice? Course work will include individual and collaborative projects in a range of media and writings by George Bataille, Bruce Nauman, Rosalind Krauss, Lewis Hyde, and David Foster Wallace.

Instructor:Stephanie WashburnTime:Thursday, 1:00 pm - 4:50 pmPlace:Bldg. 494, Rm. 136

EC# 01040

Collective Efforts

This interdisciplinary course focuses on the collaborative process in various spatial art forms. Group Dynamics that will be explored include: Partnerships (two participants), Groups (three or more participants), Teams, and Digital groups (social media, crowd sourcing, etc.)

Course goals are to emphasize leadership, resourcefulness, encouraging students to source and share skills and ideas, and to cultivating an active creative community.

Instructor:Ryan BulisTime:Friday, 12:00 pm - 3:50 pmPlace:Bldg. 494, Rm. 136

BIOLOGY

BIOLOGY READING PROJECTS

Reading projects to be arranged between the student and biology faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Kathy Foltz, Armand Kuris, John Latto, Bruce Tiffney, Claudia Tyler* or *Robert Warner*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Biology advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

BIOLOGY LABORATORY PROJECTS

Laboratory projects to be arranged between the student and biology faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty may be available for Independent Laboratory Projects: *Kathy Foltz, Armand Kuris, John Latto, Bruce Tiffney, Claudia Tyler* or *Robert Warner*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Biology advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

Winter 2014 Course Offerings BIOLOGY CS 10, 1 EC# 02477

Applied Rationality

We've all had times when we wanted to accomplish something, but had to work against your own brain to carry out the task. This class will teach modern findings in psychology and neuroscience to help you better understand how your brain works, so you can work with (or against!) it to better further your goals. We can work to help you with physical skills like exercise, musicianship, and job applications, or more abstract skills like reading faces more accurately, becoming more empathetic, or training yourself to enjoy an activity you currently dislike. Gain tools to become better at being you - however you define that.

Required Text:

Kahneman, D.

Thinking, Fast and Slow

Instructor:Student Leader: Adam Rubin
Faculty Advisor: Tony de TomasoTime:Tuesday, 2:00 pm - 3:50 pmPlace:Bldg. 494, Rm. 148

Introductory Biology: Evolution and Diversity

THIS COURSE IS DESIGNED AND REQUIRED FOR NEW CREATIVE STUDIES BIOLOGY MAJORS (incoming students to UCSB)

Lecture, field, and laboratory activities explore the evolutionary origin and diversification of life in a phylogenic context, from Bacteria and Archaea to Plants, Fungi, and Animals.

This class is open to and required for first year CCS Biology students who have completed MCDB 1A.

Required Texts:

Sadava, Heller, Orions, Purves, and Hills

Life, the Science of Biology

Sinauer

Instructor:John Latto and Claudia TylerTime:Tuesday and Thursday, 11:00 am - 12:20pmPlace:Bldg. SSMS, Rm. 143

The Selfish Gene - 35 Years On (2 units)

In 1976, a young zoology lecturer at Oxford University published his first book. Powerfully encapsulating a gene's-eye view of life. The Selfish Gene rapidly became deeply influential both within biology and associated disciplines, and in wider intellectual debate. Thirty years and over a million copies later. The Selfish Gene has come to be seen as on of the defining books of the twentieth century. Melvin Bragg in 2006

In this graduate style seminar class we will read and discuss Richard Dawkins book The Selfish Gene. As well as discussing the concepts in the book, we will look at what had happened in the various areas of science in the 35 years since the book was written.

This class is not restricted to Biology majors but you will need some background in biology, and an interest in the topics, to get the most out of it.

If you have any questions about this class please contact me: latto@lifesci.ucsb.edu

Required Texts:

The Selfish Gene: 30th anniversary ed. Dawkins, R. **Oxford University Press** ISBN: 978-0199291151

Instructor: John Latto Tuesday, 2:00 pm - 3:20 pm Time: Place: Bldg. 494, Rm. 160B

Winter 2014 Course Offerings BIOLOGY CS 101. 2 EC# 02584

Conducting Studies in Ecology: Marine and Coastal Habitats

Ecologists investigate the workings of the natural world, and most would agree that what makes ecology most exciting is direct involvement with the organisms and their habitat, by making first-hand observations. In this course students will learn how to design and carry-out studies in field ecology.

In this session we will focus on marine and coastal habitats as we learn how to identify patterns in nature, how to ask questions and develop hypotheses, how to collect and analyze data, and how to use library resources to support our investigations. At the end of the guarter students will design a group or independent project to address a question of their choosing, collect their own data, and present findings. The course consists of one 3-hour lab/field trip per week, plus a one-hour discussion. Normative number of units for this course is four.

Instructor: **Claudia Tyler** Tuesday, 1:00pm - 1:50pm Time: Thursday, 1:00pm - 3:50pm Bldg. 494, Rm. 145 Place:

CHEMISTRY

CHEMISTRY/BIOCHEMISTRY READING PROJECTS

Reading projects to be arranged between the student and chemistry/biochemistry faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Donald Aue* or *Leroy Laverman*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Chemistry/Biochemistry advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

CHEMISTRY/BIOCHEMISTRY LABORATORY PROJECTS

Laboratory projects to be arranged between the student and chemistry faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty may be available for Independent Laboratory Projects: Donald *Aue* or *Leroy Laverman*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Chemistry/Biochemistry advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

EC# 07260

Mathematics of Chemistry

This course is geared to give students a better grasp of fundamentals of linear algebra and calculus that the current curriculum provides. Students will be introduced to the concepts of linear vectors spaces, inner products, eigenstates, representation theory, Dirac notation, and the theory on linear operators, while having calculus reconstructed through a linear algebra formalism. Examples will be geared toward deepening their understanding of quantum mechanics, chemical kinetics, thermodynamics, and computational chemistry. The overall goal is to improve the fluency of students in mathematics, so they can discuss quantitative chemistry in the language best suited to it.

Instructor: Student Leader: Nathaniel Charest Faculty Advisor: Leroy Laverman Time: Tuesday and Thursday, 12:00 pm - 12:50 pm Place: Bldg. 494, Rm. 148

EC# 07344

Problem Solving in General Chemistry

This course is an adjunct to Chemistry 2B (honors general chemistry). Problem solving skills will be developed and supplemental lectures will reinforce key concepts. When appropriate, experiments in the upper division undergraduate laboratory will be performed to examine chemical concepts in a laboratory setting. All CCS students enrolled in Chemistry 2B are encouraged to enroll in this course.

Instructor:Leroy LavermanTime:Tuesday and Thursday, 11:00 am - 11:50 amPlace:Bldg. 494, Rm. 148

COMPUTER SCIENCE

Winter 2014 Course Offerings COMPUTER SCIENCE CS 1B, 1 EC# 09019

Computer Programming and Organization

Topics in programming and the organization of computers, including algorithms, data and control structures, program design, searching and sorting, recursion, systems programming, register transfer language, and logic design.

This course is the second half of a two guarter sequence (CS1A/CS1B) designed to prepare students to take upper division courses in Computer Science, and participate in undergraduate research projects in Computer Science under the direction of CCS and College of Engineering Computer Science faculty.

In both guarters, the course is paired with CS1L, "Programming Lab", where students undertake individual and group programming projects to build and reinforce their skills and knowledge.

CS1B focuses on modern computer architectures from ground up. The goal is to develop a complete understanding of how hardware and software comes together, and how programming languages evolve as layered abstractions starting from logic gates. We cover the full spectrum of languages from instruction set architectures, to assembly, structured high-level, to object-oriented and scripting languages. We continue with language translation and foundational operating systems, and networking particularly as it relates to modern computer and communication architectures.

Although class space may be acquired via GOLD, final enrollment will be determined by the instructor.

Instructor: Murat Karaorman Monday and Wednesday, 6:00 pm - 7:20 pm Time: Bldg. 494, Rm. 143 Place:

EC# 09035

Programming Lab

This course is required for all freshmen (first-year) and lower division CCS Computer Science majors.

A hands-on project and assignment-based course that will be primarily taught in the CSIL Laboratory of the Computer Science Department. The principle emphasis of the course will be to gain strong practical and technical skills in C, C++, and Java programming, UNIX: shell, tools, utilities and programming environments. Further emphasis will be on algorithms, user interfaces, and software engineering principles.

The course is open to all CCS students who need additional training and practical insight that is needed to take upper division Computer Science Courses.

This is a variable unit credit course, 2-4 units. Units awarded will be based upon attendance, general homework assignments, and individual projects. Instruction will be 25% classroom, and 75% hands-on work in the CSIL Laboratory (approximately 3 lab hours per week).

Instructor:Murat KaraormanTime:Monday and Wednesday, 7:20 pm - 8:50 pmPlace:Bldg. 494, Rm. 143

Research Seminar in Computer Science

The goal of this course is to prepare undergraduate students to engage in research in Computer Science.

Target audience(s):

* Students that want to get involved in research as an undergrad with a CS faculty member

* Students considering going on to grad school in CS CCS students preparing for their mid-residency review

Students will have the opportunity to both get a sense of the breadth of Computer Science research through attending Faculty Research Presentations, and participating in discussions about faculty research.

Students will attend a series of presentations by UCSB CS faculty members, each of which will present an overview of their research. Faculty members will be presenting these talks as a way of recruiting students into their own research labs. Students enrolled in the course will be expected to attend these talks, listen to the speakers, and be prepared to ask the presenter(s) at least one question after the talk about their research area, or about the process of doing research in Computer Science.

These presentations will occur Fridays from 1-2pm.

There will also be a 30 minute discussion (2-2:30pm) immediately following each of the faculty talks with the students from this course, and the instructor.

Students may earn 1 unit of lower division credit by participating in this part of the course provided they have arrive on time for the talks, have a reasonable attendance record and participate in the discussions.

Background needed to take this course:

Open to CMPCS, CMPSC, PRCMP, and PRCPS majors, and others by permission of the instructor.

This course is open, with permission of the instructor, to all UCSBstudents regardless of major or college, that have sufficient Computer Science preparation to be able to meaningfully participate in the course, and have a serious intention and capacity to do research in Computer Science. See "prerequisites" below for more information.

Questions?

Contact Phill Conrad at pconrad@cs.ucsb.edu

Special Instructions and/or Prerequisites:

Winter 2014 Course Offerings

Open to CMPCS, CMPSC, CMPEN majors, and others by permission of the instructor. (Computer Science Creative Studies, Computer Science Engineering, and Computer Engineering).

Ideally, students enrolling in this course will have completed one of the following:

- the first quarter of the College of Creative Studies CS program: CCS CS1A, 2 OR
- the following courses from the lower division of the College of Engineering: CS16,CS24,CS40

This course will be a stretch for all of us. We will be listening to talks about cutting-edge research that are aimed to a grad-student level audience. It will be over our heads a good bit of the time, and we will have to work very hard just to begin to understand what we are hearing.

If that sounds exciting, then this course may be right for you. If you are willing to work hard, and swim in the deep water, where you will often not be able to touch bottom, you are welcome. If not, then you should probably not enroll.

Instructor:Phill ConradTime:Friday, 1:00 pm - 2:20 pmPlace:Bldg. HFH, Rm. 1132

Research Methods in Computer Science

The goal of this course is to prepare undergraduate students to engage in research in Computer Science.

Target audience(s):

* Students that want to get involved in research as an undergrad with a CS faculty member

* Students considering going on to grad school in CS CCS students preparing for their mid-residency review

Students will have the opportunity to both get a sense of the breadth of Computer Science research, as well as exploring a single topic of their choice in some depth.

More specific goals include:

* being able to explain what makes some work publishable research, while other work is not

* being able to state research questions

* being able to explain the various ways in which CS research is published and disseminated (e.g. conferences and journals),

* developing and demonstrating the ability to perform a literature search

* developing and demonstrating a familiarity with various areas of research in CS, particularly those represented by CS faculty at UCSB

Course Activities:

(1) Faculty Research Presentations

A central component of the course will be attending a series of presentations by UCSB CS faculty members, each of which will present an overview of their research. Faculty members will be presenting these talks as a way of recruiting students into their own research labs. Students enrolled in the course will be expected to attend these talks, listen to the speakers, and be prepared to ask the presenter(s) at least one question after the talk about their research area, or about the process of doing research in Computer Science.

These presentations will occur Fridays from 1-2pm.

There will also be a 30 minute discussion (2-2:30pm) immediately following each of the faculty talks with the students from this course, and the instructor.

Students that are planning to only participate in this part of the course, and not the items below, should enroll in CMPSCCS 10 instead of CMPSCCS 140.

(2) Lecture/Discussion on Research Methods
Winter 2014 Course Offerings

In addition to the faculty lectures and the follow up discussion (1.5 hours per week), there is an additional 75 minute lecture/discussion each week.

These lecture/discussions will cover:

- how CS research is typically conducted
- typical roles of faculty, graduate students, undergrad researchers)
- major areas of computer science (particularly those represented at UCSB)
- how to find a research topic
- how to find a faculty advisor
- how to do a literature survey (annotated bibliography)
- how to distinguish between projects that are, and are not publishable
- how to prepare a technical paper that can be submitted for publication
- how to give a talk in Computer Science

There may also be some discussion of CS content, as needed—e.g. if a large proportion of the students in the class need a tutorial on some topic (e.g. Networks, AI, Compilers) in order to understand some of the papers or talks, we may take some class time for this as well.

These lecture/discussions support the assignment component of the course, described below.

Participating in this discussion along with the Friday discussion is sufficient to earn 2 units in the course.

(3) Assignments

Student may earn additional units for the course (beyond the 2 units earned by participating in items 1 and 2 above), by completing one or more of the following assignments.

- (a) a literature survey/annotated bibliography on some topic of interest
- (b) giving an oral presentation on one (or more) papers of interest to the student

(c) preparing a proposal for a particular research project, both in written and oral form, with a problem statement, proposed work, and survey of related work.

Normal workload: Students can expect to earn 4 units total if they:

- complete at least one literature survey ("a" above)

- make at least two oral presentations ("b" above) in an successful manner
- attend and participate in the lectures/discussions

Students completing more than this may be eligible for up to 6 units; students who only partially complete the above list may earn between 1-3 units.

These assignments may be "staged"--that is, smaller components of each of these may have earlier due dates than the overall finished product. Students will be expected to respect these due dates. In each of the cases above, the topic must be approved by the instructor in advance.

Background needed to take this course

Winter 2014 Course Offerings

Open to CMPCS, CMPSC, CMPEN majors, and others by permission of the instructor. (Computer Science Creative Studies, Computer Science Engineering, and Computer Engineering).

Ideally, students enrolling in this course will have completed one of the following:

- the first quarter of the College of Creative Studies CS program: CCS CS1A, 2 OR
- the following courses from the lower division of the College of Engineering: CS16,CS24,CS40

Completion of CS 130A and CS138 are also very helpful—students with this background will potentially get more out of the course. However, if you don't have that background, don't let that stop you if you are very interested—the course can be repeated for additional units.

Students that have not completed at least CCS CS 1A/1L/2, CS16/24/40 with strong comprehension of the material—or have equivalent background—should probably not enroll.

This course will be a stretch for all of us. We will be listening to talks and reading papers about cuttingedge research. It will be over our heads a good bit of the time, and we will have to work very hard just to begin to understand what we are reading.

If that sounds exciting, then this course may be right for you. If you are willing to work hard, and swim in the deep water, where you will often not be able to touch bottom, you are welcome. If not, then you should probably not enroll.

Questions?

Contact Phill Conrad at pconrad@cs.ucsb.edu

Instructor:	Phill Conrad
Time:	Monday, 3:00 pm - 4:20 pm (Lecture)
	Friday, 1:00 pm - 2:20 pm (Faculty Presentations)
Place:	Bldg. 494, Rm. 143 (Lecture)
	Bldg. HFH, Rm. 1132 (Faculty Presentations)

INTERDISCIPLINARY STUDIES

Symmetry and Aesthetics in Contemporary Physics

Symmetry and the search for broken symmetries guide our understanding of the Laws of Physics; symmetry and asymmetry are also at the heart of our aesthetic experiences in the arts, and are significant in biology and neuroscience. In this interdisciplinary seminar we will question why mathematics is (or should be) a language of nature, investigate the ways in which space-time and matter interact, visualize physics concepts through the arts, and explore the nature of our own thinking. We will analyze works by theoretical physicists, study artists who have attempted to express Einstein's theories on canvas, and interrogate the ways in which 21st century physics is pushing the limits of human imagination. We will meet artists and scientists who are blending art, math, music, and computer science in their research.

Required Texts:

Zee, A.	Fearful Symmetry: The Search for Beauty in Modern Physics	Princeton
ISBN: 978-0691134	4826 2007 ed., with forward by Sir Roger Penrose	University Press

Instructor:	Jatila van der Veen
Time:	Friday, 1:00 pm - 3:50 pm
Place:	Bldg. 494, Rm. 160B

Winter 2014 Course Offerings

LITERATURE

Intermediate Poetry Workshop

The class work of this course largely consists of the discussion and critique of the poems submitted by you, the students. The course is conducted then, in the traditional Writing Workshop method, that is, your poems with copies for the entire class and myself, will be turned in on assigned class dates and then discussed and critiqued the following class or classes. Critique, discussion, suggestions, even praise, are all aimed at **revision**, at helping the poet improve the poem and move on to the next draft of the poem. Re-writing finally makes the writing.

I will take your writing seriously and I expect you to do the same. Good will should accompany <u>specific</u> <u>written</u> and <u>oral criticism</u> aimed toward revision. You will need to spend a good deal of time writing and revising as well as a good deal of time reading and critiquing work of fellow students/writers.

The course's aim is to have you improve as poets, readers, and critics of creative work. While all of us have varying talents and gifts, any student who works seriously should be able to <u>show improvement</u> in his/her writing and critical skills.

This workshop best serves poets familiar with the workshop format and who have a specific critical vocabulary which they use in offering suggestions to fellow workshop participants for the next draft of poems under consideration. It is also assumed that the student writer is an active reader of contemporary poetry--anthologies and individual volumes.

In 10 weeks, we can hope for a further improvement in language skills and strategy, in accurate working critical vocabulary, and in awareness of the basic elements of poetry and of the level and variety of contemporary poetry being written today. You are writing poetry for serious readers of poetry and for other poets who are looking for the best in the craft of language and imagination–clarity as well as invention. Our texts and examples will be a great help if you spend time with them. While one function of the workshop is to provide mutual writerly support for each other, another is to offer the most considered and exact critique possible to help the writer in the re-writing process. A good/accomplished poem is the result of many re-writes. We hope to help you improve your skills and craft as a poet and also obtain a clearer idea of what a finished and publishable poem might be.

Writing assignments that focus on the essential elements of poetry writing, basic strategies of composing, and aspects of Voice in contemporary poetry will be assigned. There will be no assignments in traditional prosody/inherited forms. The emphasis in this course of 10 weeks is for you to continue to find your own voice, your own authentic language, and to begin to gain a sense of clear, appropriate, and imaginative diction and imagery. I want you to continue to develop a sense of the line in poetry and a sense of natural music in your own poems. For the most part, the subjects of your poems will be of your own choosing

Five poems minimum are required for the course. You may turn in a poem each week if you choose. You must revise at least three of these poems for your final folder. In your folder **keep all copies of your writing upon which I have commented** and clip revisions on top. (Note: a <u>thoroughly</u> revised poem may be re-submitted to the workshop as a "new" poem.)

Required Texts:

Levine, P.

New Selected Poems, 8th or 9th ed.

Winter 2014 Course Offerings ISBN: 0679740562 Laux, D. *The* ISBN: 978-0-393-34265-9

Instructor:Christopher BuckleyTime:Monday, 4:00 pm - 6:50 pmPlace:Bldg. 494, Rm. 160B

Winter 2014 Course Offerings LITERATURE CS 102, 1 EC# 29041

Short Takes: Prose Poems, Memoir Briefs, Flash Fiction

A reading and writing course focused on three closely related sub-genres dependent on brevity, with emphasis on extensive consideration of professional examples, workshop attention to student efforts in the three forms, and consultation with the instructor. Each member of the group will offer several scheduled presentations of work to be gathered later into a final term-portfolio.

Required Texts:

Lehman, D. (ed.) ISBN-10: 0743243501 ISBN-13: 978-074324350	<i>Great American Prose Poems : From Poe to the Present</i>	Scribner
Hazuka, T. , et al (eds.) ISBN-10: 0393308839 ISBN-13: 978-0393308839	<i>Flash Fiction: 72 Very Short Stories</i> 9	Norton
Kitchen & Jones (eds.) ISBN-10: 0393319075 ISBN: 9780393319071	In Brief: Short Takes on the Personal	Norton

Instructor:Barry SpacksTime:Monday and Wednesday, 9:00 am - 10:20 amPlace:Bldg. 494, Rm. 160B

The Short Story: Cathedrals, Misfits, Bigfoot, and Forking Paths

This seminar will focus on the short story in all of its possible incarnations. Students will explore a broad canvas of styles, approaches, and subjects through extensive reading and their own writing.

Classes will include discussions on readings, exercises to spark writing, workshop of drafts, and groupled lecture. You are expected to attend every workshop to participate in all its activities, to do the required readings and individual and group assignments, and to write. By the end of the seminar, each students will produce numerous pieces of writing, including one "complete" story.

Readings will include a variety of stories, as well as essays on the genre. Sample authors include: Denis Johnson, Kim Addonizio, Sherman Alexie, Donald Barthelme, Ron Carlson, Michael Chabon, Gish Jen, Doris Lessing, Walter Mosely, Muriel Spark, Raymond Carver, Flannery O'Connor, Jorges Luis Borges, and many more.

Instructor:	Robert Krut
Time:	Tuesday and Thursday, 11:30 am - 12:50 pm
Place:	Bldg. 494, Rm. 160B

Winter 2014 Course Offerings LITERATURE CS 102. 3 EC# 29066

Advanced Screenwriting (Screenwriting II)

Screenwriting is an ever-expanding medium, and yet, in an age of constant visual stimulation, it remains a relatively untapped tool for young writers. Combining both written and visual story telling, the screenplay is a ungiue genre because unlike other writing styles it is comprehensive, intended for a specific audience and has its own language and format. Screenplay, which functions as storytelling as its most basic and stripped level, relies on character, conflict, setting and theme to convey larger truths of the human experience.

Screenwriting II will offer students opportunity to apply and practice both the creative and technical elements of screenwriting: theme, story, structure, character, conflict, dialogue and format. The course will focus on completion of an original script, utilizing in class writer's workshop and independent study to draft and revise pages. Students are encouraged to begin the guarter with a developed idea, complete log line and character sketch, and at least 30 pages of text.

Instructor: Randall Shulman Time: Tuesday and Thursday, 1:00 pm - 2:20 pm Bldg. 494, Rm. 143 Place:

Winter 2014 Course Offerings LITERATURE CS 102, 5 EC# 29082

Writing For New Media

The history, theory, and practice of writing for new media, including blogs, vlogs, flash fiction, flash poetry, graphic novels, webisodes, poetry videos, music videos, video game scenarios, professional writer's web design, viral ads, internet documentary, youtube videos (short films, comedy sketches, etc.), installation art/videos, environmental media, fan fiction, web comics, zines, etc. We will also look at the business of writing for new media, i.e. how one gets a job in these various genres/businesses - from journalism (Buzz Feed, Huffington Post, et al.) to Narrative Magazine to Poetry Foundation videos, to Electronic Arts (where we may visit during the quarter) etc. etc.

Students will complete a 25 - 30 page portfolio of new media scripts in any genre/genres and present an oral report of a new media genre of your choice. Also, students will post different new media interests on our Writing for New Media (facebook) web site.

Required Texts:

Riley, J. ISBN: 0985026006 How Strange it is to Be Anything At All

World Palace Press

Instructor:Paul Lobo PortugesTime:Tuesday and Thursday, 4:00 pm - 5:50 pmPlace:Bldg. SSMS, Rm. 2303

Winter 2014 Course Offerings LITERATURE CS 103, 1 EC# 29090

Melopoesis - Poetry and Music

This course will explore the many ways that poetry and music speak to each other, both in theory and practice. We will read theoretical works from the nineteenth and twentieth centuries about poetics and music aesthetics, and listen to songs, poems, and instrumental music, primarily from the Romantic period. Throughout the course, we will try to answer these questions: What can we say about the meaning of music? How do words and music go together? How can insights into music and poetry help us create our own poems, songs, and compositions? Reading and listening assignments will include poems by Goethe, Wordsworth, Hölderlin, Schiller, and Shelley; music by Mozart, Beethoven, and Schubert; and essays by Hoffman, Hegel, Adorno, and Hollander, among others. Assignments will include both academic and creative options, and aspiring poets, composers, critics, librettists, and musicologists are all welcome.

Required Texts:

Gilbert, M. ISBN: 978-0826407214		German Essays on Music: Theodor W. Adorno, Ernst Bloch, Thomas Mann, and others (German Library)	Continuum
Hollander, J. ISBN: 978-0300088	3328	Rhyme's Reason: A Guide to English Verse	Yale Univers. Press
Hölderlin. F., tr. Ha ISBN: 978-0140424	•	Selected Poems and Fragments	Penguin
Instructor: Time: Place:		lan and Thursday, 9:30 am - 10:50 am , Rm. 143	

Winter 2014 Course Offerings LITERATURE CS 105, 1 EC# 29140

Literature Symposium

Every quarter various poets, novelists, short story writers, journalists, playwrights, cartoonists, editors, publishers, filmmakers, and critics will present their work at the weekly CCS Literature Symposium. Students who attend all 10 meetings will receive 1 unit of college credit. If you miss the first day of symposium on Wednesday, April 1st, you must talk to Caroline Allen in order to remain enrolled for credit. The symposium is open to the community. Students who are not enrolled in the class are welcome to come to symposia that interest them.

Important Etiquette: Students should be in the Old Little Theatre no later than 4 o'clock. Students should sit in the first half of the seating area—no back row sleepers or doers of crossword puzzles! Do not leave before the end of the symposium. Our readers come here to give you the best of themselves. Please be courteous and attentive.

If you need special assistance due to a disability, please call 893-2364.

Instructor:Caroline AllenTime:Wednesday, 4:00 pm - 5:15 pmPlace:The Old Little Theater

Winter 2014 Course Offerings LITERATURE CS 110, 1 EC# 29157

The Best of Both Worlds: Reading the Novella

No longer the oft ignored middle child of the literary world, the novella, long called neither this nor that, is now both this *and* that. It combines the compression and energetic burst of a short story with the robustness and generosity of the novel, allowing scenes to breathe and moments to linger without rambling or becoming bloated. Moving beyond the most obvious examples (*The Old Man and the Sea, Of Mice and Men, Metamorphosis, Siddhartha--* if you haven't read these yet, please do yourself a favor), *s*tudents in this course will read several novellas, both classics of the form and more modern examples, and write both analytically and creatively about the readings-- perhaps writing their own novella, if inspired by the reading list. Please be prepared to read constantly; this will include examples from Leo Tolstoy, Philip Roth, Truman Capote, Herman Melville, Edith Wharton, Kate Chopin, Gabriel Garcia Marquez, Joyce Carol Oates, Annie Proulx, Sandra Cisneros, Thomas Mann, James Joyce, Justin Torres, Banana Yoshimoto, and several others.

Required Texts:

Tolstoy, L. ISBN-10: 0307951332	The Death of Ivan Ilyich	Vintage
Roth, P. ISBN-10: 0679748261	Goodbye, Columbus	Vintage
Capote, T. ISBN-10: 0679745653	Breakfast at Tiffany's	Vintage
Melville, H.	Bartleby, the Scrivener	CreateSpace
ISBN-10: 1492723835		Independent Publishing Platform
Wharton, E.	Ethan Frome	CreateSpace
ISBN-10: 1490989919		Independent Publishing Platform
Chopin, K.	The Awakening	CreateSpace
ISBN-10: 1483979539		Independent Publishing Platform
Joyce, J. ISBN-10: 0979660793	The Dead	Coyote
Mann, T. ISBN-10: 0060576057	Death in Venice	Ecco
Marquez, G. G. ISBN-10: 140003471X	Chronicle of a Death Foretold	Vintage
James, H.	Daisy Miller	Barnes & Noble Classics

Winter 2014 Course Offerin ISBN-10: 1593081057	ngs	
Duras, M ISBN-10: 0375700528	The Lover	Pantheon
Cisneros, S. ISBN-10: 0679734775	The House on Mango Street	Vintage
Conrad, J. ISBN-10: 149235080X	Heart of Darkness	Tree of Wisdom
Greene, G.	The Tenth Man	Washington Square Press
ISBN-10:0671019090		FIESS
Camus, A. ISBN-10: 0679720200	The Stranger	Vintage
Torres, J. ISBN-10:0547844190	We the Animals	Mariner Books
Proulx, A. ISBN-10: 1857029402	Brokeback Mountain	Fourth Estate
Oates, J. C. ISBN-10: 0452269865	Black Water	Plume
Murdoch, I.	Something Special: A Story	W. W. Norton &
ISBN-10: 0393050076		Company

Instructor:Ellen O'ConnellTime:Monday and Wednesday, 2:00 pm - 3:20 pmPlace:Bldg. 494, Rm. 160B

Winter 2014 Course Offerings LITERATURE CS 110, 2 EC# 29165

Shakespearean Adaptations

Ben Jonson eulogized his contemporary, William Shakespeare, for being "not of an age, but for all time." The cultural brand that is Shakespeare, both in terms of the study of his work and the reformulation of his plays in popular media, including film, music, and graphic novels, has adopted Jonson's remark as its defining ethos. But in what sense is he for all time? What is Shakespeare for us? And what have his works been for centuries of readers, spectators, and directors? This course will partially examine the history of Shakespeare's afterlives and will study some of his plays in relation to their reincarnation in Restoration revisions and twentieth-century film adaptations. We will not, however, study these works strictly in terms of their forward trajectory. Rather, we will also read them in relation to their source material, the narratives of which in some cases hardly differ from Shakespeare's own versions. Studying Shakespeare in this context will allow us to address two further and interrelated questions: 1) what do we mean by authorship; and 2) what specifically does Shakespeare's original genius consist of?

Required Texts:

Shakespeare, W. ISBN: 978-0140714		<i>Merchant of Venice</i> The Pelican Shakespeare (2000)	Penguin Classics
Shakespeare, W. ISBN: 978-0140714	Othello	o The Pelican Shakespeare (2001)	Penguin Classics
Shakespeare, W.	<i>King L</i>	<i>ear</i>	Penguin Classics
ISBN: 978-0140714	660	The Pelican Shakespeare (1999)	
Shakespeare, W.	Coriola	anius	Penguin Classics
ISBN: 978-0140714	739	The Pelican Shakespeare (1999)	
Marlowe, C.		<i>lew of Malta</i>	Bloomsbury
ISBN: 978-0713677		3 rd New Edition (2009)	Methuen Drama
Instructor: Time: Place:	Pavneet Aulak Monday and V Bldg. 494, Rm	Vednesday, 11:30 am - 12:50 am	ı

Three Poets: Alan Stephens, William Carlos Williams, and D. H. Lawrence

Alan Stephens published eleven books in his life-time, taught in the English department at UCSB and helped to found the College of Creative Studies. His collected works have become available in a long-awaited new edition edited by his son and published by Dowitcher press. Having received a Stegner fellowship in 1956 he studied with Yvor Winters disciple Alan Swallow, a strict metrical formalist. He broke away from the Winters influence early, with, as he call "Deep and enthusiastic readings" of William Carlos Williams' free verse. His poems include a sonnet sequence (Running at Hendry's), a narrative about the White River Massacre of 1879 (White River Poems), long and short meditations that look like descriptions of nature (Tree Meditations), as well as epigrams, satires on academia, and a great translation of Sophocles. The poems of D. H. Lawrence and William Carlos Williams were important to Stephens, so we'll read them partly in relation to his poetry and partly as an introduction to two great modernist poets.

PLEASE BRING THE COLLECTED POEMS OF ALAN STEPHENS TO CLASS ON THE FIRST DAY.

Required Texts:

Stephens, A.	The Collected Poems of Alan Stephens
Stephens, A.	The Selected Poems of Alan Stephens
Stephens, A.	Running at Hendry's

All books by Alan Stephens are available online at the Alan Stephens page. They may be ordered there through Dowitcher Press. Or they can be downloaded for free in PDF. I suggest that you order them in paperback before the beginning of the quarter.

Lawrence, D.H. ISBN-10: 0140585400 ISBN-13: 978-0140585407	The Selected Poems of D. H. Lawrence	Penguin Books, Revised ed. (1989)
ed. Tomlinson, C. ISBN-10:081120958X ISBN-13: 978-0811209588	Selected Poems: William Carlos Williams	New DIrections (1985)

Instructor:Caroline AllenTime:Monday and Wednesday, 1:00 pm - 2:20 pmPlace:Bldg. 494, Rm. 143

Winter 2014 Course Offerings LITERATURE CS 113, 1 EC# 29314

Reading Like a Writer

After mastering the techniques of the writing craft for themselves, most accomplished writers have realized they now read new works of other writers with a new focus, both critical and appreciative of technique and thematic scope. They are often motivated as well to return to formative works from significant writers of the past.

This course will challenge the emerging writer student to engage in a close reading of five significant works selected to demonstrate how close reading is a trampoline to creative energy and the understanding of the dynamics of fiction and nonfiction in ways that will lead them to publication and scholarship.

This course offers the students a ten-week guided tour via lecture, discussion, and written assignments of the dramatic and thematic potentials resident in contemporary narrative.

Required Texts (please get the trade paper edition of all of the following):

Austen, J.	Persuasion	Penguin
Barnes, J.	Flaubert's Parrot	Knopf/Random House
Donoghue, E.	Room	Little, Brown
Francis, Scott (ed)	Novel and Short Story Writers' Markets 2014	Writers' Digest Books
James, H.	The Portrait of a Lady	Penguin
Llosa, M. V.	Aunt Julia and the Script Writer	Farrar, Straus, and Giroux
Smiley, Jane	Thirteen Ways of Looking at a Novel	Knopf/Random House

Instructor:Shelley LowenkopfTime:Tuesday and Thursday, 6:00 pm - 7:20 pmPlace:Bldg. 494, Rm. 160B

Winter 2014 Course Offerings LITERATURE CS 114, 1 EC# 29363

American Humor: Cultural Transgression and Transformation from Faulkner to Dave Chappelle

In this course, we'll explore aspects of American humor as a tool for social change. Humos is a difficult subject to quantify because of its subjective nature; what's funny to me might be insulting to you; the very essence of transgressive and transformative humor is to unsettle the status quo. Essentially it is subversive. I've chosen broadly, from texts that use humor, black or otherwise, to disguise a more direct protest. We'll observe how humor advances political positions. Is it always a tool of the disenfranchised or the marginalized? Is political humor the opposite of propaganda? Is there status quo political humor?

Required Texts:

Instructor	Jorway Tarvalan
Phillips & Tervalon	Cocaine Chronicles
Stahl, J.	I, Fatty
Allen, W.	Getting Even
Allen, W.	Without Feathers
Ellison, R.	Invisible Man
Faulkner, W.	The Collected Faulkner

Instructor:Jervey TervalonTime:Thursday, 4:00 pm - 6:50 pmPlace:Bldg. 494, Rm. 143

Winter 2014 Course Offerings LITERATURE CS 114, 2 EC# 29371

The Curious Art of Science

Though C. P. Snow's contention that the arts and sciences represent two distinct and opposed cultures with competing world-views has lost some of its currency, we often still continue to think of the sciences and arts in binary terms. Whereas the former embody a world of solid facts, the latter is governed by the creative imagination. This course, however, will test this presumption by studying the works of early proponents of experimental science, including those of Francis Bacon, Galileo, and Newton, alongside the poetry, drama, and novels of their seventeenth and eighteenth-century peers. Supplementing our readings with recent scholarship that studies science from a sociological perspective, we will consider the curiosity that drives the pursuit of scientific knowledge and the *poesis*, or making, that underwrites it. Moreover, in reading Christopher Marlowe, John Donne, Ben Jonson, John Milton, and Jonathan Swift together with some of the writers that helped bring modern science into being, we will not only examine the complex ways in which more conventionally "literary" artists responded to the ambitions of the "new science," but also how the latter helped to redeem curiosity as an intellectual virtue common to both artists and scientists.

Required Texts:

Galilei, G. ISBN: 978-0226279039	<i>Sidereus Nunicus,</i> or <i>The Sidereal Messenger.</i> First Edition (1989)	University of Chicago Press
Marlowe, C. ISBN: 978-0872207295	<i>Doctor Faustus: With the English Faust Book</i> 2005 Ed.	Hackett Pub Co
Jonson, B.	The Alchemist and Other Plays: Volpone, or The Fox; Epicene, of The Silent Woman; The Alchemist; Bartholomew Fair (Oxford's World Classics) 2009 (Reissue Edition)	Oxford University Press, USA
ISBN: 978199537310		

Instructor:	Pavneet Aulakh	
Time:	Monday and Wednesday,	10:00 am - 11:20 am
Place:	Bldg. 494, Rm. 143	

Winter 2014 Course Offerings LITERATURE CS 114, 3 EC# 29389

Zen and American Poetry

How should one live? How does one really taste the fullness of being? How does one deepen one's joys and respond more gracefully (and perhaps humorfully) to the various blows of fate? What does it mean to "live in the moment"? How is meditation similar to the attention required of the poet? These are some of the questions (big questions, no doubt!) we will humbly explore in this class Zen and American poetry.

We will start by reading two classes introductions to Zen; then we will explore various American poets who embody Zen in their lives and work.

Please be prepared to read deeply, participate in classroom discussions, write two substantial essays, write some poetry, and try a little meditation.

Required Texts:		
Suzuki, S. ISBN: 978-1590308493	Zen Mind, Beginner's Mind	Shambhala
Watts, A. ISBN: 978-0375705106	The Way of Zen	Vintage
Aitken, R. ISBN: 978-0938077602	The Dragon Who Never Sleeps	Parallax
Gilbert, J. ISBN: 978-0679747673	The Great Fires	Knopf
Oliver, M. ISBN: 978-0807068878	New and Selected Poetry, Vol. 2	Beacon Press
Instructor: Teddy Ma	ocker	

Time: Tuesday and Thursday, 2:30 pm - 3:50 pm Place: Blda, 494, Rm, 143

Winter 2014 Course Offerings

MATHEMATICS

Problem Solving Seminar

This is the second part of a sequence of two courses about mathematical problem solving for freshmen. These courses are aimed for students who know some mathematics, who enjoy mathematics, and would like to spend some time solving intriguing, mysterious, interesting, fun, ... problems.

In this course we will focus first on different problem-solving techniques such as: how to prove theorems by contradiction and using symmetries, extreme principle, invariants, coloring, parity,... to solve problems from different areas of mathematics. In the second part of this course, we will focus on problems related with particular branches of mathematics such as Graph Theory, Abstract Algebra, Analysis, Geometry, Game Theory, Number Theory, etc.

Instructor:	Maria Isabel Bueno Cachadina
Time:	Tuesday and Thursday, 3:30 pm - 4:50 pm
Place:	Bldg. 494, Rm. 164B

EC# 31906

Advanced Linear Algebra II

This course is required for all CCS Mathematics students.

This is the second part of an upper-division sequence on Linear Algebra. In this course, we will cover the following topics: Determinants; eigenvalues, eigenvectors and diagonalization; Jordan canonical form and minimal polynomial; and inner product spaces.

The language and concepts of matrix theory and, more generally, of linear algebra have come into widespread usage in the social and natural sciences, computer science, and statistics. In addition, linear algebra continues to be of great importance in modern treatments of geometry and analysis. If time permits, we will illustrate the power of the subject through a variety of applications.

Required Texts:

Friedberg, Insel, ar ISBN: 0-13-008451	•	<i>Linear Algebra</i> , 4 th ed.	Prentice Hall
Instructor: Time: Place:	Monday,	bel Bueno Cachadina Wednesday, and Friday, 11:(, Rm. 164B	00 am - 12:20 pm

Selected Topics in Discrete Mathematics

This course will explore a number of topics in discrete mathematics; specific concepts will include design theory, error-correcting codes, geometry, finite fields, and many others.

Instructor: Padraic Bartlett Time: Monday, Wednesday, and Friday, 10:30 am - 11:50 pm Place: Bldg. 494, Rm. 160B

Introduction to Real Analysis

This course constitutes a rigorous introduction to the elements of analysis. It will cover sequences, accumulation points, Bolzano-Weierstrass etc., and then move to limits of functions, continuity, differentiability, and compact sets (Heine-Borel etc.).

Required Texts:

Gaughan, E. D. ISBN: 978-0-8218-4787-	<i>Introduction to Analysis</i> , 5 th ed. 9	American Math. Soc.

Birge Huisgen-Zimmerman Instructor: Monday, Wednesday, and Friday, 12:30 pm - 1:50 pm Time: Bldg. 494, Rm. 164B Place:

EC# 31989

Complex Analysis

This is the first of a two-quarter introductory course on complex analysis. Complex analysis is an old and beautiful subject, and is also extremely useful

We will explore its analytic and geometric sides, balancing theory and computation.

Topics will include complex numbers, differentiability of functions of one complex variable, the Cauchy-Riemann equations, Cauchy's Theorem, the Cauchy Integral consequences, etc.

Required Texts:

Marsden, J. & Hoffman, M. Basic Complex Analysis, 3th ed. Freeman ISBN-10: 071672877X ISBN-13: 978-0716728771

Instructor:Thomas SiderisTime:Tuesday and Thursday, 2:00 pm - 3:20 pmPlace:Bldg. 494, Rm. 164B

Winter 2014 Course Offerings

MUSIC COMPOSITION

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MUSIC COMPOSITION CS 101, 1 EC# 37457

Individual Instruction in Composition

One on one instruction in music composition, with an emphasis on music in the notated tradition. Priority given to CCS Music Composition Majors. All others require the permission of the instructor to enroll **prior to registration.**

Students should come by Old Little Theater 154B to sign up for a lesion time prior to the first day of classes.

Information: leslie.hogan@ccs.ucsb.edu

Instructor:	Leslie Hogan
Time:	To Be Arranged
Place:	Bldg. 494, Rm. 154B

Winter 2014 Course Offerings MUSIC COMPOSITION CS 101, 2 EC# 37465

Individual Instruction in Composition

Individual instruction in music composition. Weekly schedule to be arranged with the instructor.

Permission of Instructor Required to Enroll. haladyna@music.ucsb.edu

Instructor:	Jeremy Haladyna
Time:	To Be Arranged
Place:	Music Bldg., Rm. 0313

Winter 2014 Course Offerings MUSIC COMPOSITION CS 105, 1 EC# 37580

Readings in New Music 2014: Ten Star-Studded Studio Sessions

THIS COURSE IS A ***REQUIRED*** COURSE FOR CCS MUSIC COMPOSITION MAJORS, WHO MUST ENROLL IN AT LEAST ONE UNIT'S CREDIT. AVAILABLE TO OTHER UNDERGRADUATES STUDYING COMPOSITION ON A SPACE-AVAILABLE BASIS.

In the first analysis, the course concerns itself with READING. That is, it provides an opportunity to try out your music with real musicians and conductor in a studio setting. Just occasionally, when things work well, the result can be an adequate recorded performance, invaluable for graduate school applications, competitions, and for personal archiving. Creative Studies funding is annually set aside to rent the studio and so that we may hire the best musicians in the orbit of the university for these readings. This year we continue in the UCSB Sound Recording facility, second floor, Kerr Hall, thanks to the good offices of the staff of Instructional Development.

Participants should bring take-away media with them to each class session: flash drive, USB portadrive, or CD-R/RW.

Recording services will only be contracted for those CCS and L&S undergraduate music majors who *officially enroll* and who *attend class regularly.* CCS Music Majors are REQUIRED to enroll in the class for at least one unit, and may only be excused with the permission of the faculty advisor.

Sessions are scheduled from 1pm to 4:00 PM beginning Tuesday, January 7th and ending Tuesday, March 18th. Each session must be completed in the time allotted, with no run-over.

Come prepared to the first class on 7 January with the following:

- *solo piano pieces. We'll record as many as we can. If possible drop off your piano pieces to Jeremy or Leslie in advance of the first class meeting. SESSION ONE is partly a WORKING session!
- *list of pieces you would like to have recorded, arranged in priority order. Include full instrumentation and an accurate duration. It is highly recommended that you place finished works at the top and that works-in-progress should be a lesser priority. We already need percussion lists, if applicable!
- *performance materials if available. The sooner we have them, the better your recording will be. We need one copy of your score and all the parts. Have another copy of the score and parts available at the session in case of emergency.

Instructors: Jeremy Haladyna, Leslie Hogan Instruc. Dev.: Mark Ramos Time: Tuesdays, 1:00 pm - 3:50 pm Place: Bldg. Kerr Hall Sound Recording Studio, Rm. 2110

Music and Food

A seminar exploring the relationship between music and food, whether literal or metaphorical. Topics of exploration will be collectively determined in the context of the class, but will certainly include such as these:

- Is there a music that is "as American as apple pie?" What makes it so?
- Is there a music equivalent to the amuse bouche?
- How is a concert program like a menu? Or is it more like a prix fixe meal?

Other activities in the course will include learning to write program notes, whether of one work or a note that connects works thematically. Students will each complete a final project and do a presentation on it. Topics and formats of the project will be determined in consultation with the instructor.

Instructor:Leslie HoganTime:Monday and Wednesday, 1:00 pm - 2:20 pmPlace:Bldg. 494, Rm. 154

Winter 2014 Course Offerings MUSIC COMPOSITION CS 105, 3 EC# 37606

Vernacular Harmony

The course Vernacular Harmony provides a critical and cumulative assessment of the harmonic conventions cultivated by twentieth century composers of American vernacular music. By vernacular, I refer principally to folk, blues, jazz and jazz derived styles, and their precursors. Such styles include ragtime, blues, and music of most American musicals, country music, gospel music, post-1950 popular commercial styles, reggae, and the twentieth century jazz styles. While these styles differ in major ways it is the assertion of the instructor that they are all governed by a common harmonic language.

Specifically, the aims of the course are: 1) to introduce a theoretical system that explicates American vernacular harmonic practices from the late nineteenth century until now in a logical yet practical and intelligible manner; 2) to show the theoretical (creative) possibilities suggested by these practices that may not heretofore have been extensively explored; 3) to illustrate, via musical examples and subsequent analysis, that vernacular harmonic conventions can and should be taught as one harmonic theory; and 4) to present, when possible and appropriate, vernacular harmony in a manner that illuminates its derivative and analogical relationships to traditional European harmonic practices, and concurrently, to explicate the differences that exist between the two traditions.

Required Texts:

Stewart, E.

Vernacular Harmony

University Readers

Instructor:Earl StewartTime:Tuesday and Thursday, 11:00 am - 12:20 pmPlace:Bldg. 494, Rm. 154

PHYSICS

PHYSICS LABORATORY PROJECTS

Laboratory projects to be arranged between the student and physics faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Laboratory Projects: *John Martinis*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Physics advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

PHYSICS READING PROJECTS

Reading projects to be arranged between the student and Physics faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Sathya Guruswamy* or *Tengiz Bibilashvili*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Physics advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

Winter 2014 Course Offerings PHYSICS CS 15B, 1

EC# 40980

Experimental Physics

This is the second quarter of a year-long class designed to help you learn to do experimental physics research. The second guarter will focus on how personal computers with multi-function data acquisition boards are used to control experiments and take data. The boards will be controlled using National Instruments LabVIEW software. After some initial exercises, you will write your own LabVIEW programs, which will use a data acquisition card to produce signals and to read time-dependent analog signals and convert them to digital format. You will then write a feedback control program that measures the temperature of a copper rod and changes the voltage applied to a heater so as to keep the temperature constant. Prior programming experience is not required. Please note, however, that the real purpose of the course is not to teach you LabVIEW! Instead, you will be expected to learn it by yourself, with an occasional bit of help. This is much closer to what will happen when you are working in a lab. Everyone in the lab who knows what they are doing will be too busy to teach you! As a second component to the course, we will take the time to explore a number of the research labs here on campus that might be of interest to you. Nothing beats working in a lab for letting you find out what doing physics is like (little resemblance to classes!), what going to graduate school would be like, and what use all this book learning really is (a lot actually). So, each of you will visit a couple of labs during the quarter and report back to the class on what you discovered.

A lab fee will be assessed to your BARC account.

Required Texts:		
Essick, J.	Hands-On Introduction to LabVIEW for Scientists and Engineers	Oxford University Press
Moore, J.	Building Scientific Apparatus	Peachpit Press
Instructor: Time:	John Martinis Wednesday, 2:00 pm - 2:50 pm (Lecture) Wednesday, 3:00 pm - 5:50 pm (Lab)	
Place:	Broida Hall, Rm. 3332	

Winter 2014 Course Offerings PHYSICS CS 15B, 2

EC# 40998

Experimental Physics

This is the second quarter of a year-long class designed to help you learn to do experimental physics research. The second guarter will focus on how personal computers with multi-function data acquisition boards are used to control experiments and take data. The boards will be controlled using National Instruments LabVIEW software. After some initial exercises, you will write your own LabVIEW programs, which will use a data acquisition card to produce signals and to read time-dependent analog signals and convert them to digital format. You will then write a feedback control program that measures the temperature of a copper rod and changes the voltage applied to a heater so as to keep the temperature constant. Prior programming experience is not required. Please note, however, that the real purpose of the course is not to teach you LabVIEW! Instead, you will be expected to learn it by yourself, with an occasional bit of help. This is much closer to what will happen when you are working in a lab. Everyone in the lab who knows what they are doing will be too busy to teach you! As a second component to the course, we will take the time to explore a number of the research labs here on campus that might be of interest to you. Nothing beats working in a lab for letting you find out what doing physics is like (little resemblance to classes!), what going to graduate school would be like, and what use all this book learning really is (a lot actually). So, each of you will visit a couple of labs during the quarter and report back to the class on what you discovered.

A lab fee will be assessed to your BARC account.

Required Texts:		
Essick, J.	Hands-On Introduction to LabVIEW for Scientists and Engineers	Oxford University Press
Moore, J.	Building Scientific Apparatus	Peachpit Press
Instructor: Time:	John Martinis Wednesday, 2:00 pm - 2:50 pm (Lecture) Friday, 3:00 pm - 5:50 pm (Lab)	
Place:	Broida Hall, Rm. 3332	
PHYSICS CS 32, 1 EC# 41079

Mechanics and Waves

Rotational motion. Angular momentum. Oscillatory motion. Gravity and central force motion. Elastic waves.

Must be a CCS Physics Major to register or otherwise must have instructor approval.

Required Texts:

Kleppner and Kolenkow	An Introduction to Mechanics	Cambridge University Press
Resnick, Halliday and Krane	Physics, Vol. 1 (5 th ed)	Wiley
Feynman, Leighton, and Sands	<i>The Feynman Lectures on Physics, Vol. 1, The New Millennium Ed.: Mainly Mechanics, Radiation, and Heat</i>	Basic Books

Instructor: Tengiz Bibilashvili Time: Tuesday and Thursday, 3:30 pm - 4:50 pm (Lecture) Wednesday, 1:00 pm - 2:50 pm (Problem Sessions) Wednesday, 3:00 pm - 4:50 pm (Problem Sessions) Place: Bldg. 387, Rm. 103

Electromagnetism and Optics

Magnetic induction. Magnetic Materials. AC Circuits. Maxwell's equations. Electromagnetic waves. Fermat's principle. Ray optics. Wave optics. Diffraction. Polarization of light.

Required Texts:

Purcell	Electricity and Magnetism	Cambridge
Resnick, Halliday and Krane	Physics, Vol. II	Wiley
Feynman	The Feynman Lectures on Physics, Vol. II, Mainly Electromagnetism and Matter	Basic Books

Instructor:	Sathya Guruswamy
Time:	Tuesday and Thursday, 3:30 pm - 4:50 pm (Lecture)
	Thursday, 10:00 am - 11:50 am (Problem Sessions)
	Thursday, 1:00 pm - 2:50 pm (Problem Sessions)
Place:	Bldg. PHELP, Rm. 1440 (Lecture)
	Bldg. HSSB, Rm. 1236 (Problem Sessions)
	Bldg. HSSB, Rm. 1228 (Problem Sessions)

Vector Analysis with Applications to Physics

Partial Differentiation. Power Series for functions of more than one variable. Surface and Volume integrals. Vector Fields - gradient, divergence, curl. Gauss' theorem. Stoke's theorem. Applications to Physcis

Required Texts:			
Boas, M. ISBN: 0471198269	Ma	<i>athematical Methods in the Physical Sciences,</i> 3 rd ec	d. Willey
Optional Texts:			
Feynman, Leighton	, Sands	Feynman Lectures on Physics, Vol. II, Mainly Electromagnetism and Matter Basic Books	The New Millennium
ISBN: 0456024162		Mainly Liectromagnetism and Matter Dasic Dooks	
Instructor: Time: Place:	Friday,	: Bibilashvili , 2:00 pm - 3:50 pm 387, Rm. 103	

Quantum Mechanics and Path Integrals

Quantum mechanics will be developed using the path integral approach first introduced by R. P. Feynman in the course of his graduate studies at Princeton. He based his path integral concept from pioneering work by P.A.M. Dirac. The problem becomes one of applying a "least action" principle to quantum mechanics in such a way that classical mechanics can arise naturally as a special case of quantum mechanics when Planck's constant is allowed to go to zero.

Topics will include (depending on time available):

- The action principles in classical mechanics.
- Application of the action principles.
- The double slit experiment revisited.
- The quantum mechanical amplitude. The classical limit.
- The path integral.
- Examples for calculating path integrals.
- Direct evaluation of path integrals.
- Derivation of the Schrödinger equation from the path integral for a particle in a potential.
- The path integral for quadratic lagrangians.
- Linear oscillator with time-dependent frequency.
- The Feynman propagator. Expansion in energy eigenfunctions.
- Simple applications of propagator functions.
- The trace of the time-development operator. The Feynman-Kac Formula.
- The path integral derived from the Schrödinger equation.
- The perturbation expansion. Path integral description. Introduction to Feynman diagrams
- The WKB Approximation to path integrals.

Instructor:Fransesc RoigTime:Tuesday and Thursday, 9:30 am - 10:50 amPlace:Bldg. 494, Rm. 164B

Spring 2014 Course Offering College of Creative Studies Spring 2014 Course Offerings

ART

Students enrolling in a CCS Art course on the list below will be charged a course materials fee after the add deadline. If a students drops the course after the add deadline they will still be charged the course materials fee.

Art CS 101 Art CS 102 Art CS 104 Art CS 105 Art CS 120 Art CS 125

Independent Research and Practice

Students will develop independent art projects with a research component. Each student will define their project, create a time line for production and meet weekly with the members of the course to allow for critique and influence as individual projects progress. Students will be expected to incorporate their research in the discussion of their work, and to provide reading material that the instructor will compile into a course reader. Emphasis will be placed on art production that addresses one or more of the following: the art multiple; work created in a limited edition; the development of a series of works; work that explores issues of replication in various ways, and more. This emphasis will serve as a cohesive factor between the individual explorations.

Students may work in any medium, however they must have experience with the materials and processes they plan to use. The goal of this course is to advance your work.

A fieldtrip to Los Angeles area galleries/museums will be included.

NOTE: For an approval code, students must contact instructor by email with a description of the project they plan to pursue. ekstrom@arts.ucsb.edu

FIRST CLASS MEETING:

Come with a clearly defined plan for your project to discuss with the group. Please bring either an artwork to give the group an idea of the way you work, or something visual that relates to the project you plan to develop.

Instructor:Linda EkstromTime:Wednesday, 5:00pm - 7:50pmPlace:Bldg. 494, Rm. 136

Spring 2014 Course Offering **ART CS 15, 2**

Comics! Narrative in Art

From Batman to Naruto, from Calvin & Hobbes to Homestuck. An exploration of narrative as exemplified by comics. This colloquium will consider such topics as conveyance, cross-media influence, and sequence in popular culture. Students will learn how to read, discuss, and create comics and narratives. Colloquium will consist of lecture, discussion, and workshop, with a large degree of self-directed content.

Required Texts:

McCloud, S. ISBN-10: 006097625X ISBN-13: 978-0060976255

Understanding Comics

William Morrow Paperbacks

Instructor: Student Leader: Kevin Shintani Faculty Adviser: Linda Ekstrom Time: Wednesday and Friday, 5:00pm - 5:50pm Place: Bldg. 494, Rm. 143

Spring 2014 Course Offering ART CS 101, 1

Life Drawing

A professional drawing class and a formal critique. First we draw from the model for 3 hours and then we critique for 1 hour. Serious students at all levels are welcome. CCS art majors are encouraged to repeat this class every quarter.

Most professional artists draw from life regularly throughout their careers. In addition to working on their own, artists often gather once a week to share a model and work together. (This is not limited to figurative, or even realist artists; this includes abstract painters, poets, singers, and other artists who value the discipline and discovery particular to this activity). There is no group assignment. The goal is to explore and "push" individual practice. . Each artist is working on her own problems with the understanding that there is value to seeing the process and progress of others. This class adds a formal critique at the end to aid students in understanding and articulating the principles and practice of drawing the nude.

The Pose: The model will keep the same pose for each 3-hour session. Please note that students wishing to do "gesture" drawings may move around the room to have different poses to draw.

Materials: There is no restriction on size or medium except that the work be monochromatic. (Red chalk on white paper is monochromatic, red chalk on green paper is polychromatic) There are drawing boards in the classroom. Please do not remove or destroy them. The student purchases all other materials.

The campus bookstore has a good selection of materials for this class. Art Essentials in downtown Santa Barbara is the most complete art supply store in the area. Daniel Smith and Utrecht are good on line places to get supplies.

Units: Two units for attending all 10 classes and completing 10 drawings. Additional units may be awarded for work done outside of class. This includes drawing and research. Additional units will be determined by the UC standard of one unit representing 3 hours of work per week, or 30 hours of work per quarter.

Research: All students should spend at least two hours per week reading about and studying the history and tradition of figure drawing in relation to their own interests and goals. I recommend that every student own a copy of The Nude by Kenneth Clark. New and used copies are easy to get on line. We will discuss your research during critique.

Required Texts:

Clark, K.

The Nude

Instructor:	Hank Pitcher
Time:	Tuesday, 9:00am - 12:50pm
Place:	Bldg. 494, Rm. 120

Spring 2014 Course Offering ART CS 102, 1

Landscape Painting

This class is for all levels of students interested in painting the landscape. This includes nature and other things found outside (Isla Vista ,monuments, etc.) The class will emphasize painting on location and we will paint together outside at least 5 times, but individual ideas and approaches will be encouraged.

Oil paint is standard, but other mediums are welcome as appropriate to the ideas and goals of the individual student. Students without previous experience painting outside can be very successful in this class, but they have to prepare themselves. This class is intended for art majors but interested students from other disciplines may enroll if they have some drawing and painting experience and are serious about the subject and the class.

If you do not have previous plein air experience, I recommend going to You Tube and searching "plein air painting, how to". You will discover many videos, of varying quality. They are mostly amateur, and of questionable artistic merit, but they are valuable in that they show how different equipment and materials work. I also recommend reading the "how to" sections in books on landscape painting and researching on line. A very basic starting point would be a site like

http://painting.about.com/od/landscapes/a/plein_air_paint.htm. Based on your research, purchase materials and work with them before class. I do not believe that there is one way to go about this.

My goal is to help you develop and expand your own ideas about landscape painting. There will be no "assignments." There will be suggestions, recommendations, and feedback on the work you do. To know what you want to do, it is important that you research landscape painters, just as it is important that you research materials and methods.

REQUESTED PREREQUISITES:

If you are not a CCS student, please become familiar with the philosophy of the program and the passno record grading system before you decide to take this class. This information is available on the CCS website. Enrollment in all CCS classes is by consent of the instructor. If you are considering this class because you need units to graduate or you are looking for an "easy" class then this is not the class for you.

Instructor:Hank PitcherTime:Wednesday, 3:00pm - 5:50pmPlace:Bldg. 494, Rm. 120

Reading Painting

In this class we'll read an eclectic assortment of texts - essays, artists' statements and interviews - with an eye toward understanding the ways in which artists represent themselves and their work. We'll also consider the critical writings of several artists. There will be weekly writing assignments. Enrollment is limited to Art majors but exceptions may be made for Literature students.

REQUESTED PREREQUISITES:

Must be Art majors with sophomore standing or above. Exceptions may be made for Literature students. Enrollment by consent of the instructor.

Instructor:Dan ConnallyTime:Tuesday, 4:30pm - 5:50pmPlace:Bldg. 494, Rm. 164B

Spring 2014 Course Offering ART CS 112, 2

Play Thing

Plaything is an interdisciplinary course that focuses on sculpture as a support to other artistic mediums. Students will learn a variety of fabrication and new media techniques including sewing, model making, studio lighting, digital editing, set design, and general wood and medal fabrication. The aim of this class is for students to create sculptural forms that are deliberately crafted for performance, video, and photography.

Instructor:	Ryan Bulis
Time:	Monday and Wednesday, 10:00am - 11:50am
Place:	Bldg. 494, Rm. 128 (Sculpture Yard)

Spring 2014 Course Offering ART CS 120, 1

Mobile Works

This course is for art students committed to a high production level in three-dimensions. Our instruction will begin with the parameters of site-specific proposals in general and on campus, introduction to technical drawing and proposal production, followed by actual implementation of chosen plans. Open to all media, but focusing on spatial/sculptural awareness, this course is designed to foster proactive involvement in finding an audience for artwork. Mobile Works is for students who exhibit initiative, thoroughness, reliability, and initiative.

Contact Jane Mulfinger with questions: mulfinger@arts.ucsb.edu

REQUESTED PREREQUISITES:

Some experience in 3D work.

Instructor:	Jane Mulfinger
Time:	Monday and Wednesday, 12:00pm - 1:50pm
Place:	Bldg. ARTS, Rm. 0641

There is No Spoon: Metamodern Performance and Installation Art

This intensive workshop style course examines installation art, performance and the human subject as an artistic medium, and the incorporation of performative elements within installations and environments. Students will be challenged to create work that contributes to contemporary conversations and directly addresses recent developments in the field. The course will culminate in an exhibition of performance and installation that will be open to the UCSB community and potentially beyond.

Instructor:	Elizabeth Folk
Time:	Monday, 6:00pm - 9:50pm
Place:	Bldg. 494, Rm. 136

BIOLOGY

BIOLOGY READING PROJECTS

Reading projects to be arranged between the student and biology faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Kathy Foltz, Armand Kuris, John Latto, Bruce Tiffney, Claudia Tyler* or *Robert Warner*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Biology advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

BIOLOGY LABORATORY PROJECTS

Laboratory projects to be arranged between the student and biology faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty may be available for Independent Laboratory Projects: *Kathy Foltz, Armand Kuris, John Latto, Bruce Tiffney, Claudia Tyler* or *Robert Warner*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Biology advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

Spring 2014 Course Offering BIOLOGY CS 10, 1

Perceptions of Public Health: The Importance of Communicating Science

Communicating science well is vital when it concerns the formation of policy. This is particularly important in the field of Public Health, where scientific findings are necessarily closely related to creating policy. The field of Public Health is particularly remarkable as one which is especially prone to misinterpretation (both willful and accidental) and sensationalism, often at the expense of important policy.

In this course we will discuss three popular science works on the subject of public health, beginning with The Panic Virus, by Seth Mnookin, which addresses the impact of communication of scientific findings to the public, and the ways in which it can be misinterpreted and sensationalized. We will then turn our attention to two works concerning emerging diseases: The Hot Zone, by Richard Preston, and Spillover, by David Quammen. We will read and discuss these books with a focus on the clarity and accuracy of their portrayals of public health challenges, and the impacts of these portrayals.

No specific background is required for this course; non-Biology majors are welcome. This course may be taken for a maximum of two units.

Spillover	W. W. Norton & Company
The Panic Virus	Simon & Schuster
The Hot Zone	Doubleday
	The Panic Virus

Student Leader: Theora Tiffney
Faculty Adviser: Kathy Foltz
Monday, 3:00pm - 4:20pm
Bldg. 494, Rm. 160B

Spring 2014 Course Offering BIOLOGY CS 25, 1

Walking Biology

"The pleasures, the values of contact with the natural world, are not reserved for the scientists. They are available to anyone who will place himself under the influence of a lonely mountain top - or the sea - or the stillness of a forest; or who will stop to think about so small a thing as the mystery of a growing seed."

- Rachel Carson, Lost Woods (1954)

This field course is designed to introduce non-biologists (and biology freshmen) to the "wild" natural habitats around us. We will visit a diverse range of habitats in Santa Barbara, including oak woodlands, chaparral, coastal dune, salt marsh, sandy beach, rocky intertidal, and stream. In each of these natural communities we will observe patterns, learn about its natural history and discuss ecological and evolutionary questions. Advanced biology students interested in general field experience are also welcome. There will be several reading and writing assignments. Normative number of units for this course is 3.

Required Texts:

Lentz, J. E. / ISBN: 978-1-59714-241-	A Naturalist's Guide to the Santa Barbara Region. 0	Heyday Books
Optional Texts:		
Schoenherr, A. ISBN 978-0520069220	A Natural History of California	UC Press
Bakker, E.	<i>An Island Called California: An Ecological Introduction to Its Natural Communities</i> , 2 nd ed	UC Press
ISBN 978-0520049482		

Instructor:	Claudia Tyler
Time:	Thursday, 1:00pm - 3:50pm
Place:	Bldg. 494, Rm. 136

Spring 2014 Course Offering BIOLOGY CS 30, 1

Introductory Biology - Ecology and Physiology

This course introduces students to the fundamental concepts of ecology and physiology, integrating the two and combining them with evolutionary principles introduced in CCS Biol CS 20 to better understand the distribution and abundance of organisms. Students will be exposed to primary research literature and classic experiments.

REQUESTED PREREQUISITES

This class is open to and required for CCS Biology students who have completed MCDB 1A, and either BIOL CS 20 or EEMB 3.

Required Texts:

Sadava, Hillis, Heller, & Berenbaum *Life, the science of biology (10th edition)* Sinauer ISBN-10: 1-4641-4165-7 ISBN-13: 978-1-4641-4165-2

Instructor:John Latto & Claudia TylerTime:Tuesday and Thursday, 11:00am - 12:20pmPlace:Bldg. 494, Rm. 143

Spring 2014 Course Offering BIOLOGY CS 105, 1

Research Presentation

Science is not complete until it has been communicated. Whilst the traditional method of communication is the scientific paper, science is also communicated visually by the poster and orally in seminars and talks. Particularly for young scientists your first experiences of research presentation are more likely to be posters and papers. This class introduces students to some of the principles behind poster design, public speaking for a scientific audience and designing slides that accompany your talk. If you have your own research to present then this class can help you prepare a poster (eg for the Undergraduate Research Colloquium) or a talk (for a meeting).

Although this is listed as a Biology class all scientists are welcome since the principles apply across the science disciplines.

Instructor:John LattoTime:Thursday, 2:30pm - 3:50pmPlace:Bldg. 494, Rm. 143

CHEMISTRY

CHEMISTRY/BIOCHEMISTRY READING PROJECTS

Reading projects to be arranged between the student and chemistry/biochemistry faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Donald Aue* or *Leroy Laverman*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Chemistry/Biochemistry advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

CHEMISTRY/BIOCHEMISTRY LABORATORY PROJECTS

Laboratory projects to be arranged between the student and chemistry faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty may be available for Independent Laboratory Projects: Donald *Aue* or *Leroy Laverman*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Chemistry/Biochemistry advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

Spring 2014 Course Offering CHEMISTRY CS 103, 1

Chemical Applications of Group Theory

This course will explore the use of group theory and symmetry as applied towards chemical systems and molecules. A basic introduction to the mathematics of group theory is given. Point groups and symmetry operations will be introduced and applied towards the normal coordinate analysis of molecular vibrations as well as the construction of molecular orbitals from symmetry adapted linear combinations of atomic orbitals.

Required Texts:

Bishop, D.

Group Theory and Chemistry

Dover Press

Instructor:Leroy LavermanTime:Monday and Wednesday, 10:00am - 10:50amPlace:Bldg. 494, Rm. 164B

COMPUTER SCIENCE

Spring 2014 Course Offering COMPUTER SCIENCE CS 130A, 1

Cloud Computing Fundamentals

The term cloud has long been used as a metaphor for the Internet. Servers connected to the cloud provide data and/or computing services to authorized clients using standard protocols. The cloud conceals a complex infrastructure which makes it relatively easy to develop client and the server applications that can be deployed anywhere geographically with high availability.

Cloud computing is a natural evolution of network computing, and encompasses many broad computing paradigms: distributed, grid, utility, on-demand, open source; Web services; P2P; Web 2.0, infrastructure as a service (IaaS), platform as a service (PaaS), software as a service (SaaS). Cloud computing is a paradigm of computing in which dynamically scalable and often virtualized resources are provided as a service over the Internet.

This is a variable-unit, advanced, hands on course. The course will start with lecture style covering of the evolutionary foundations of cloud computing and then focus on the emerging and still evolving state-of-the-art practices, tools, languages, protocols, infrastructures used for building cloud based applications and services. We will study and research existing cloud computing and storage infrastructures, such as Amazon's storage (S3) and computing (EC2, EBS) platforms. Guest speakers from industry and academia will cover various topics and technologies in the field.

Each student will work on a research paper or project and will receive 4-6 units based on the extent of work. Auditors will earn 1-2 units based on participation in class.

REQUESTED PREREQUISITES:

Completion of Lower Division Computer Science level CS proficiency.

Instructor: Murat Karaorman Time: Monday and Wednesday, 6:00pm - 8:50pm Place: Bldg. 494, Rm. 143

Spring 2014 Course Offering COMPUTER SCIENCE CS 130E, 1

Serious Javascript

JavaScript is a programming language that used to get no respect---it was just for "special effects on web pages". Now, though, its a grown-up programming language with APIs for threading, 3-d graphics, digital sound synthesis, just to name a few, and server side frameworks such as Node.js.

In this class, we'll learn some basic professional JavaScript programming techniques including TDD with QUnit, web workers (multiple threads), JSDoc for JavaScript documentation, WebGL for graphics, and the Web Audio API, to name only a few. We'll learn about frameworks such as JQuery and Underscore.js.

We'll also use git and github extensively for version control and project management.

Then we will work on three specific projects: (1) Project Awesome, a quiz question generating framework, (2) Courseware for DPEAs C curriclulum (3) Extending the sound capabilities of SNAP (a Scratch fork from UC Berkeley.)

NOTE WELL: This is NOT a "pitch your own JavaScript project" class. I repeat: It is NOT a "work on a project of your choosing" class--unless your choice is from the list above.

REQUESTED PREREQUISITES:

CMPCS major (CCS Computer Science), or permission of the instructor. CMPSC and CMPEN students that have taken CMPSC56 and have a 3.0 GPA or higher are welcome to ask for add codes.

Students must have a Windows, Mac or Linux laptop and must bring it to every class meeting.

Instructor:	Phill Conrad
Time:	Thursday, 4:00pm - 6:50pm
Place:	Bldg. 494, Rm. 164B

INTERDISCIPLINARY STUDIES

Spring 2014 Course Offering

LITERATURE

Conquering Over Sin: Dualist Myth and Steinbeck's East of Eden

To say that East of Eden is my favorite novel is a gross understatement. To say that it is a subtly crafted, delicately constructed Biblical allegory that paints a startling portrait of a place, a family, and a way of life, weaving together everything from Dualist philosophy to rolling California hillsides to Steinbeck's memoirs to run-on sentences in order to create a narrative that both celebrates the inherent goodness of humanity and questions the very nature of its existence is probably pretty accurate. I might be biased, though.

As the novel centers around the story of Cain and Abel -- focusing on the critical Hebrew verb Timshel -we will be reading it through the lens of several versions of that story that crop up in dualist traditions from around the globe. The reading will include creation myths from the Gnostic and Manichean traditions, Christian heretical traditions, and even Milton's version of events in Paradise Lost. Let's ask ourselves all the big ones. What is the nature of evil? Of goodness? What is it to be human and to strive for more? To go forth as imperfect creatures and conquer over our own ideas of sin?

Required Texts:

Steinbeck, J.

East of Eden

Penguin 20th Century Classics

Instructor:	Student Leader: Gianna Stoddard
	Faculty Adviser: Ellen O'Connell
Time:	Tuesday, 2:30pm - 3:50pm
Place:	Bldg. 494, Rm. 143

Spring 2014 Course Offering LITERATURE CS 102, 1

Writing for Theatre

Writing for the stage and screen. This class will break down the components of writing a script. Students will write and edit their own monologues, dialogue, stage directions and more. The class will focus heavily on writing and editing work, so students should come prepared to share they writing and give feedback on other students' writing. Students should come prepared to read and hear your work aloud in front of others.

Instructor: Kendall Lynch Time: Tuesday and Thursday, 9:30am - 10:50am Place: Bldg. 494, Rm. 143

Spring 2014 Course Offering LITERATURE CS 105, 1

Literature Symposium

Every quarter various poets, novelists, short story writers, journalists, playwrights, cartoonists, editors, publishers, filmmakers, and critics will present their work at the weekly CCS Literature Symposium. Students who attend all 10 meetings will receive 1 unit of college credit. If you miss the first day of symposium on Wednesday, April 1st, you must talk to Caroline Allen in order to remain enrolled for credit. The symposium is open to the community. Students who are not enrolled in the class are welcome to come to symposia that interest them.

Important Etiquette: Students should be in the Old Little Theatre no later than 4 o'clock. Students should sit in the first half of the seating area—no back row sleepers or doers of crossword puzzles! Do not leave before the end of the symposium. Our readers come here to give you the best of themselves. Please be courteous and attentive.

If you need special assistance due to a disability, please call 893-2364.

Instructor:Caroline AllenTime:Wednesday, 4:00 pm - 5:15 pmPlace:The Old Little Theater

Spring 2014 Course Offering LITERATURE CS 110, 1

Chaucer's Canterbury Tales

In this course we will go on a spring-time "pilgrimage" with Chaucer and a sampling of his vividly imagined pilgrims who swap stories as they journey to Canterbury. Called "the well of English undefiled" by Edmund Spenser and the "father of English poetry" by Dryden, Chaucer and his tales will also allow us to travel back in time to familiarize ourselves not only with medieval England and culture, but also with the linguistic and poetic roots of the language that he helped to make our own.

Required Texts:

Chaucer, G.

The Canterbury Tales: Fifteen Tales and the General Prologue (Norton Critical Editions)

Norton

ISBN: 978-0393925876

Instructor:Pavneet AulakhTime:Monday and Wednesday, 11:00am - 12:20pmPlace:Bldg. 494, Rm. 143

Spring 2014 Course Offering LITERATURE CS 110, 2

RUMI

"The original words of Rumi are so deep, so perfect, so touching, that when one man repeats them hundreds and thousands of people are moved to tears. They cannot help penetrating the heart. This shows how much Rumi himself was moved to have been able to pour out such living words." - Hazrat Inayat Khan

"Perhaps the world's greatest spiritual poet."

- Jack Kornfield

"Rumi is one of the great souls, and one of the great spiritual teachers. He shows us our glory. He wants us to be more alive, to wake up... He wants us to see our beauty, in the mirror and in each other." - Coleman Barks

In this class we will read and grapple with and try to learn from Mowlānā Jalāloddin Balkhi, known in Persia as Jalāl ad-Dīn Muhammad Balkhī, and in the West simply as "Rumi."

What can this Sufi mystic born on the eastern edge of the Persian Empire in 1207 teach us about our human experience? What wisdom can we glean from his vast and various body of work? What can we learn from his legendary relationship with his wild-man teacher, Shams of Tabriz? What does his great popularity (he's said to be the most popular poet in America) say about what we're presently needing and craving?

We'll focus on Coleman Barks' translations (the translator who, according to Robert Bly, released the poems from their "scholarly cages") and read commentary on Rumi by Andrew Harvey, Coleman Barks, and Robert Bly, among others.

Please be prepared to read deeply, write two essays, and participate in class.

Required Texts:

Essential Rumi, New Expanded Edition ISBN-10: 0062509586 ISBN-13: 978-0062509581 Harper SanFrancisco

HarperOne; Reprint ed.

Rumi: The Big Red Book ISBN-10: 0061905836 ISBN-13: 978-0061905834

Instructor:Edward MackerTime:Tuesday and Thursday, 1:00pm - 2:20pmPlace:Bldg. 494, Rm. 143

The Harlem Renaissance: Literature, Arts, Criticism, and Theory

The Harlem Renaissance is a key moment in the development of modern African American culture and of modern art and culture generally. This course will look at this movement by reading some of its leading writers, listening to music from the "jazz age," and by looking at film and visual art from the period. Writers we will read will include Langston Hughes, Jean Toomer, Georgia Douglas Johnson, Nella Larsen, Jessie Redmon Fauset, Angelina Weld Grimké, Louis Armstrong, and James Weldon Johnson. We will also listen to music from the era, including the earliest blues and jazz, with close listening to the music of Armstrong, as well as to that of Bessie Smith and Gertrude "Ma" Rainey.

Required Texts:

Armstrong, L. ISBN: 978-0306805448	Swing That Music	Da Саро	
Cullen, C	<i>Collected Poems.</i> Major Jackson Ed	Library of America	
ISBN: 13: 978-1598530834			
Fauset, J. R. ISBN-13: 978-0807009192.	Plum Bun: A Novel Without a Moral	Beacon Press	
Honey, M.	<i>Shadowed Dreams: Women's Poetry of the Harlem Renaissance</i> 2 nd ed.	Rutgers UP	
ISBN: 9780813538860			
Hughes, L.	<i>Collected Works of Langston Hughes</i> <i>Vol.1: The Poems</i>	University of Missouri Press	
ISBN: 978-0826213396		WISSOUT PIESS	
Johnson, J. W. ISBN: 978-1-59853-113-8	The Autobiography of an Ex-Colored Man	Library of America	
McKay, C. ISBN-13: 978-1555530242	Home to Harlem	Northeastern Univ. Press	
Toomer, J. ISBN: 978-0-393-93168-6	<i>Cane</i> 2nd Ed.	W. W. Norton	

Instructor: Geoffrey Jacques Time: Monday and Wednesday, 12:30pm - 1:50pm Place: Bldg. 494, Rm. 160B

The Dystopian Society in Popular Culture

This will be course where we examine novels, graphic novels and film with an eye to how they critique and reset conventions of how society functions.

We will read the novels: Dracula, the Windup Girl, and Neuromancer, and the graphic novels: V for Vendetta, Walking Dead, Death of Speedy, and Maus. Also we will discuss "Blade Runner," "Aliens," "the Matrix and the first season of the "Wire," You will be required to write one analytical paper and two creative works.

Dracula

The Windup Girl

Neuromancer

V for Vendetta

Death of Speedy: Love and Rockets Vol. 7

Required Texts:

Stoker, B. ISBN-13: 978-0486411095

Bacigalupi, P. ASIN: B006TKP2B2

Gibson, W. ASIN: B006TKP2B2

Moore, A. ASIN: B0064W65UM

Hernandez, J. ISBN-13: 978-1560970033

Spiegaleman, A. ISBN-13: 978-0394747231 Maus

Instructor:Jervey TervalonTime:Thursday, 4:00pm - 6:20pmPlace:Bldg. 494, Rm. 143

Spring 2014 Course Offering LITERATURE CS 111, 3

The Radiance of the Domestic

In her essay "The Radiance of Jane Austen," Eudora Welty asserts that Austen "wrote from a perfectly solid and firm foundation and [that] her world is wholly affirmative... Jane Austen's ardent belief...[was] that the unit of everything worth knowing in life is in the family." Certainly both women focused tightly on the ironic and comic elements of the families of their times and regions, and within the scope of daily domestic life and concerns, a universe is revealed, that of the human heart. Students in this course will read novels by both masters, write both creatively and analytically, and be expected to present a topic and discuss all reading in class.

Required Texts: Austen, J. Emma Norton ISBN: 0393927644 Pride and Prejudice Norton Austen, J. ISBN: 0393976041 Sense and Sensibility Austen, J. Norton ISBN: 039397751X Delta Wedding Welty, E. Mariner ISBN: 0156252805 The Optimist's Daughter Vintage Welty, E. ISBN: 067972883X Losing Battles Vintage Welty, E. ISBN: 0679728821 The Golden Apples Mariner Welty, E. ISBN: 015636090X

Instructor: Ellen O'Connell Time: Monday and Wednesday, 9:30am - 10:50am Place: Bldg. 494, Rm. 143

Spring 2014 Course Offering LITERATURE CS 112, 1

The Beat Generation

This course will examine major works by the central figures of the Beat Generation-- Allen Ginsberg, Jack Kerouac, W.S. Burroughs, and Gary Snyder, Diane di Prima, Lawrence Ferlingetti as well as the artists, film makers, and journalists of the period. First we'll survey the literary/historical context in which these writers formed themselves, their visions and their styles. How do they continue important traditions, even as they rebel against them? We'll pay close attention to the differences as well as the similarities between these important writers, as well as influences on them (film, art, science, politics, etc.). Among other things, we'll examine their notions of spontaneity and authenticity, as well as the influence of various religions and social movements like Buddhism, Ghandi and non-violence, the Romantics, the BOMB, drugs, war, etc. In addition, we will study the art, film and other artistic endeavors of this interesting and important literary, social, and political generation.

Instructor:	Paul Lobo Portuges
Time:	Tuesday and Thursday, 4:00pm - 5:50pm
Place:	Bldg. SSMS, Rm. 2303

Understanding and Writing Noir Fiction

Noir fiction explores and dramatizes the darker, more dangerous landscapes of human desire. In recent years, this terrain is often marked off with crime scene tape, but when it was finding its early audienbce in the eighteenth century, noir fiction meant castles, country estates, arranged marriages, the guilt of family secrets, and the tortured yearnings of the affluent.

This course sends the student on a studio tour of noir literature, beginning with the 1794 publication of Ann Radcliff's "The Mysteries of Udolpho," with a side trip to Jane Austen's 1817 parody of it, "Northanger Abbey," demonstrating at once the rich literary potential residential in human desires, and the inexorable attraction of sexual tension.

Our tour ends with an iconic twenty-first century venture into the noir, Richard Price's "Lush Life."

Required Texts:

Braddon, M. L. ISBN 978-0-19-283520-8	Lady Audley's Secret	Oxford Univ Press
Cain, J. M. ISBN 9780752864365	The Postman Always Rings Twice	Orion
Chopin, K. ISBN13: 978-0393960570	The Awakening	Norton
DuMaurier, D. ISBN 9780575029941	Rebecca	
Hammett, D. ISBN 0-679-72261-0	The Red Harvest	Vintage/Black Lizard
O'Hara, J. ISBN 10: 0099518325	Appolintment in Samarra	Vintage
Price, R. ISBN: 9780312428228	Lush Life	Macmillan

Instructor:Shelly LowenkopfTime:Tuesday and Thursday, 6:00pm - 7:20pmPlace:Bldg. 494, Rm. 160B
Spring 2014 Course Offering LITERATURE CS 114, 1

Visionary Literature

In this seminar, students will present literature that sees the world beyond our own--visionary writers. Through a mix of discussion, lecture, writing, and extensive reading, students will explore poets (Blake, Whitman, Ginsberg) and fiction writers (Borges, Philip K. Dick, Denis Johnson). Visionary is a broad term, and the course will explore it in many of its permutations: the way in which these writings open to spiritual, socio-political, and literary breakthroughs.

Required Texts:

Course Reader - Available at AS Notes beginning the first week of Spring quarter.

Instructor: Robert Krut Time: Tuesday and Thursday, 12:30pm - 1:50pm Place: Bldg. 494, Rm. 160B

Spring 2014 Course Offering LITERATURE CS 114, 2

Travelers, Tourists, Pilgrims, and Expatriates

We'll read books that deal with the interplay between personal identity, consciousness, geography, and politics. We'll discuss questions these books pose about home, travel, knowledge, colonialism, tourism, cross-cultural communication, history, personality, nationality, food, and writing. You will write essays that deal with your experiences of the books, as well as pieces about your own travels and travails (see this word's relation to travel).

In Rebecca Solnits' "Book of Migrations" she says, "Travel is also a psychic experiment. In different places, different thoughts emerge...I tried to use the subjective and personal not to glorify my mundane autobiography but as a case study in how on can explore the remoter reaches of the psyche by wandering across literal terrain."

Required Texts:

Maxwell, W. ISBN-10 067976156X	The Chateau	Vintage
Fisher, MFK ISBN-10 0-86547-392-7	The Gastronomical Me	North Pt. Press
Solnit, R. ISBN-1-85984-186-4	A Book of Migrations	Verso
Lewis-Krause, G. ISBN-10 1594487251	A Sense of Direction	Riverhead
Naipaul, V. S. ISBN-10 0679724885	A Turn in the South	Vintage
Dinesen, I. ISBN-10 0679724753	Out of Africa	Vintage
Gilbert, E.	Best American Travel Writing	Mariner Books
ISBN-10 0547808984	ed. Elizabeth Gilbert	

Instructor:Caroline AllenTime:Monday and Wednesday, 1:00pm - 2:20pmPlace:Bldg. 494, Rm. 143

Spring 2014 Course Offering

MATHEMATICS

Spring 2014 Course Offering MATHEMATICS CS 103, 1

Selected Topics in Discrete Math II

This course is a continuation of Selected Topics in Discrete Mathematics, and will cover various topics in discrete mathematics that were not hit in the winter quarter. Such topics may include enumerative combinatorics, set theory, flows and networks, and various other fields, but will vary depending on student interest and aptitude.

Instructor:Padraic BartlettTime:Monday, Wednesday, and Friday, 11:00am - 12:20pmPlace:Bldg. 494, Rm. 160B

Multidimensional Analysis - Differentiation

This is the first part of a sequence of two courses on Multidimensional Analysis, that is, the study of functions in several variables with vector values. In this first course, we will study the following topics: Elementary topology in Rⁿ, directional derivatives and the differential, the chain rule, maxima and minima, manifolds and Lagrange Multipliers, Taylor's formula, classification of critical points, the Multivariable Mean Value Theorem, the Inverse and the Implicit Mapping Theorems, Manifolds in Rⁿ.

This is a proof-based course that requires knowledge of calculus in one variable and Linear Algebra. It would be desirable that the student have taken a course on Real Analysis as well.

REQUESTED PREREQUISITES:

Advanced Linear Algebra and Intro to Real Analysis

Required Texts:

Edwards, C. H. ISBN: 0-486-68336-2

Advanced Calculus of Several Variables

Dover

Instructor:	Maria Isabel Bueno Cachadina
Time:	Monday, Wednesday, and Friday 11:00am - 12:20pm
Place:	Bldg. 494, Rm. 164B

Spring 2014 Course Offering MATHEMATICS CS 120, 2

Probability

This will be an introductory course on Probability Theory, with an emphasis on discrete probability. We will cover the basic formalisms of probability, discrete and continuous distributions, combinatorial methods, generating functions, conditioning, Law of Large Numbers and Central Limit Theorem. The latter part of the course will introduce the theory of stochastic processes including random walks and Brownian motion. Applications to Biology, Computer Science, Economics, Engineering, and Physics will be discussed.

Optional Texts:

Ghahramani, S.

Fundamentals of Probability with Stochastic Processes

Pearson Prentice Hall (2005) Third edition

ISBN: 0-13-145340-8

Instructor: Tomoyuki Ichiba Time: Tuesday and Thursday, 9:00am - 10:20am Place: Bldg. 494, Rm. 164B

Spring 2014 Course Offering MATHEMATICS CS 120, 3

Special Topics - Complex Analysis

This course will be the second of two quarters on introductory complex analysis continuing from CS 120 in the winter quarter. Having established the basic properties of analytic functions, we will explore some of the many beautiful and surprising consequences such as Rouché's theorem, argument principle, mapping properties, harmonic functions, etc.

REQUESTED PREREQUISITES:

CS 120 with me from the Winter '14 quarter

Required Texts:

Hoffman, M. & Marsden, J.	Basic Complex Analysis, 3 rd ed.	W. H. Freeman
ISBN-10: 071672877X		
ISBN-13: 978-0716728771		

Instructor:Thomas SiderisTime:Tuesday and Thursday, 11:00am - 12:20pmPlace:Bldg. 494, Rm. 164B

Spring 2014 Course Offering

MUSIC COMPOSITION

Spring 2014 Course Offering MUSIC COMPOSITION CS 101, 1

Individual Instruction in Music Composition

One on one instruction in music composition, with an emphasis on music in the notated tradition.

Students should come by Old Little Theater 154B to sign up for a lesson time prior to the first day of classes.

Information: leslie.hogan@ccs.ucsb.edu

REQUESTED PREREQUISITES:

Priority given to CCS Music Composition Majors.

All others require the permission of the instructor to enroll **prior to registration.**

Instructor:	Leslie Hogan
Time:	To Be Arranged
Place:	Bldg. 494, Rm. 154

Spring 2014 Course Offering MUSIC COMPOSITION CS 101, 2

Composition Tutorial

Weekly meetings with the instructor on your original work in music composition.

REQUESTED PREREQUISITES

Fluency in musical notation and substantial background in composing (This is considered a junior-level course, not a beginning course.)

At any given time, most if not all, course participants will be majoring in music composition, either through CCS or L&S.

Instructor:Jeremy HaladynaTime:To Be ArrangedPlace:Music Building, Rm. 0313

Spring 2014 Course Offering MUSIC COMPOSITION CS 101, 3

Image as Music

Throughout history, composers have taken inspiration from things seen, whether in nature, painting, sculpture, or everyday objects. In this century alone, that impulse has led to works as diverse as Gunther Schuller's Seven Studies on Themes of Paul Klee, Michael Torke's Javelin, and Claude Debussy's La Mer. In this seminar, students will explore ways of bringing the visual into their own music. We will examine works with a specific visual reference, including (whenever possible) the composers' own commentary on the creation of them. In addition, students will compose a series of short movements for chamber ensemble, in which gestures, textures, and lines are a direct response to a visual stimulus.

Instructor:Leslie HoganTime:Tuesday and Thursday, 12:30pm - 1:50pmPlace:Bldg. 494, Rm. 154

Spring 2014 Course Offering MUSIC COMPOSITION CS 102, 1

Vernacular Harmony II

The course Vernacular Harmony II provides a critical and cumulative assessment of the harmonic conventions cultivated by twentieth century composers of American vernacular music. By vernacular, I refer principally to folk, blues, jazz and jazz derived styles, and their precursors. Such styles include ragtime, blues, and music of most American musicals, country music, gospel music, post-1950 popular commercial styles, reggae, and the twentieth century jazz styles. While these styles differ in major ways it is the assertion of the instructor that they are all governed by a common harmonic language.

Specifically, the aims of the course are: 1) to introduce a theoretical system that explicates American vernacular harmonic practices from the late nineteenth century until now in a logical yet practical and intelligible manner; 2) to show the theoretical (creative) possibilities suggested by these practices that may not heretofore have been extensively explored; 3) to illustrate, via musical examples and subsequent analysis, that vernacular harmonic conventions can and should be taught as one harmonic theory; and 4) to present, when possible and appropriate, vernacular harmony in a manner that illuminates its derivative and analogical relationships to traditional European harmonic practices, and concurrently, to explicate the differences that exist between the two traditions.

Instructor: Earl Stewart Time: Tuesday and Thursday, 11:00am - 12:20pm Place: Bldg. 494, Rm. 154

Spring 2014 Course Offering MUSIC COMPOSITION CS 105, 1

Really Quite Vocal About Everything

This Spring course will hopefully have a renascent effect on every participant's desire to write ingratiating music for the voice, alone and in combination. Students both get practice as well as examine a plethora of effective models.

What are the different voice types? Have you heard examples of a heroic tenor, dramatic soprano, basso profundo, and coloratura? Could you reasonably predict the effectiveness of using a given text based on its vowels and phrase structure? What is at the deepest essence of the human vocal response?

Taking its point of departure from the Gregorian plainchant of the Liber Usualis, which we will sing regularly as a limbering exercise, we'll tackle progressively more adventuresome short practica, in reality steps toward discovering a personal approach towards a demanding subject.

This particular run of the course will also ready us for the challenge of writing musical theater (the musical notes portion) in Fall 2015, when CCS undertakes the TV Musical course for only the fifth time.

In addition to text setting and discussion of vowels and the problems they pose, we'll address sample choral textures and extended vocal techniques incorporated within compositions that really work. This will mean a tour that takes in everything from Faure's magically simple Messe Basse for womens voices to the newest Scandinavian choral literature by Nystedt, Rautavaara, and Sandstrom. Also, Satie's magical Socrate and in a more modernly minimalist vein: "Cry" by Giles Swayne for 24 amplified voices.

First taught, Spring 1999. Recommended for CCS and L&S Music Majors. Any other prospective entrants must be completely fluent in the notation of musical ideas, as there will be assignments that request notated music from students.

You must be willing to sing in class [no solos, so no worries there]. The more lustily you sing, the better.

Instructor: Jeremy Haladyna Time: Monday and Wednesday, 1:00pm - 1:50pm Place: Bldg. 494, Rm. 154

Spring 2014 Course Offering MUSIC COMPOSITION CS 105, 2

Composing Audiovisual Works

How can we speak about music using visual terms such as "color" or "texture?" How can musical terms such as "rhythm" and "harmony," apply to visual artwork?

Since the early 20th century, the search for a sound-image connection has inspired a broad range of composers and artists to create works with closely integrated sound and image. This course will give students the practical skills to create their own audiovisual works and the background to understand their historical and aesthetic contexts.

Lectures will examine historical precursors including the phenomenon of synaesthesia, the emergence of "visual music," techniques of graphic notation, and more recent developments such as image sonification and music visualization. We will investigate contemporary media artists who build upon these past trends, while increasingly employing software to incorporate algorithmic and interactive approaches in their work.

Labs will consist of short assignments geared towards learning the software tools necessary for applying the processes and techniques covered in class. For the final project, students will create an interactive audiovisual work involving one or more of the topics discussed.

REQUESTED PREREQUISITES:

Since this an introductory course, all students are welcome to enroll. However, experience in music composition, visual art or computer science is strongly recommended.

Instructor:David GordonTime:Tuesday and Thursday, 3:00pm - 4:20pmPlace:Bldg. 494, Rm. 154

PHYSICS

PHYSICS LABORATORY PROJECTS

Laboratory projects to be arranged between the student and physics faculty. A *Proposal for Laboratory Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Laboratory Projects: *John Martinis*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Physics advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

PHYSICS READING PROJECTS

Reading projects to be arranged between the student and Physics faculty. A *Proposal for Reading Project* form must be completed, signed by the instructor, and turned in to the CCS Office before an enrollment code may be issued and you may register for the class. A completed, signed proposal must be turned in by the end of the second week of the quarter. Necessary forms are available in the CCS Office.

For this quarter, the following Creative Studies faculty MAY be available for Independent Reading Projects: *Sathya Guruswamy* or *Tengiz Bibilashvili*. If you have an opportunity to do research with a UCSB faculty person who is not in Creative Studies, please check with your CCS Physics advisor before getting appropriate forms from the CCS office. You may then set up the course through Creative Studies (as above), or you may wish to inquire about doing the project as a "199" Independent Studies course through the instructor's department in the College of Letters and Science, in which case you may earn a letter grade for your work.

Spring 2014 Course Offering PHYSICS CS 15C, 1

Experimental Physics

This is the third quarter of a year-long class designed to help you learn to do experimental physics research. The third quarter will focus on the design and construction of scientific apparatus. You will learn about materials, fasteners, and basic principles of mechanical design. You will have the opportunity to use a 3-D CAD (Computer Aided Design) program that will let you build parts in three dimensions and then obtain the requisite machine drawings from whichever views you choose. To put all this new knowledge to work, the class will design and build specialized research instruments and lecture demonstration equipment for use on campus.

Course Web Page: http://www.physics.ucsb.edu/~phys13/

A lab fee will be assessed to your BARC account

 Required Texts:
 Building Scientific Apparatus
 Cambridge University Press

 Moore,
 Building Scientific Apparatus
 Cambridge University Press

Instructor: John Martinis Time: Wednesday, 2:00 pm - 2:50 pm (Lecture) Wednesday, 3:00 pm - 5:50 pm (Lab) Place: Broida Hall, Rm. 6334

Spring 2014 Course Offering PHYSICS CS 15C, 2

Experimental Physics

This is the third quarter of a year-long class designed to help you learn to do experimental physics research. The third quarter will focus on the design and construction of scientific apparatus. You will learn about materials, fasteners, and basic principles of mechanical design. You will have the opportunity to use a 3-D CAD (Computer Aided Design) program that will let you build parts in three dimensions and then obtain the requisite machine drawings from whichever views you choose. To put all this new knowledge to work, the class will design and build specialized research instruments and lecture demonstration equipment for use on campus.

Course Web Page: <u>http://www.physics.ucsb.edu/~phys13/</u>

A lab fee will be assessed to your BARC account

Required Texts: Moore, Building

Building Scientific Apparatus

Cambridge University Press

Instructor:	John Martinis
Time:	Wednesday, 2:00 pm - 2:50 pm (Lecture)
	Friday, 3:00 pm - 5:50 pm (Lab)
Place:	Broida Hall, Rm. 6334

Waves, Kinetic Theory and Relativity

Sound waves. Fluid dynamics. Kinetic theory of matter. The Maxwell-Boltzmann distribution. Specific heat. The special theory of relativity.

Note: All enrolled must attend both the lecture and <u>one</u> weekly assigned problem session. This course is required for CCS Physics freshmen. Prerequisite: Physics CS 32 and vector calculus, or equivalent and consent of instructor.

<u>Required Texts:</u> Ohanian,.	Modern Physics, 2nd edition	Benjamin Cummings
Instructor: Time:	Tengiz Bibilashvili Tuesday and Thursday, 3:30 pm - 4:50 pm (Wednesday, 1:00 pm - 2:50 pm (Problem Se Wednesday, 3:00 pm - 4:50 pm (Problem Se	ssions)
Place:	PHELPS, Rm. 1444 (Lecture) Bldg. 387, Rm. 104 (Problem Sessions)	

Spring 2014 Course Offering PHYSICS CS 36, 1

Quantum Physics

Wave-particle duality. Photons. Matter waves. The uncertainty principle. The Schroedinger equation. Potential wells and barriers. The quantized simple harmonic oscillator. The hydrogen atom. Prerequisities: Physics CS 34 and 35 or equivalent

Instructor:	•	Guruswamy Karmis (Problem Sessions)	
Vol. III The New Millennium Edition: Quantum Mechanics ISBN-13: 9780465025015			
Feynman, Leighton	n, Sands	Feynman Lectures on Physics, Vol. III The New Millennium Edition: O	Basic Books
<u>Required Texts:</u> Ohanian,.		Modern Physics, 2nd edition	Benjamin Cummings

Time:	Tuesday and Thursday, 3:30 pm - 4:50 pm (Lecture)
	Thursday, 10:00 am - 11:50 am (Problem Sessions)
	Thursday, 1:00 pm - 2:50 pm (Problem Sessions)
Place:	Bldg. 387, Rm. 104 (Lecture)
	PHELPS, Rm. 1444 (Problem Sessions)

Summer 2014 Course Offerings

College of Creative Studies Summer 2014 Course Offerings

ART CS 101, 1

EC# 16782

Field Painting with an Artist and a Botanist on the UC Reserves

SUMMER SESSION B

Art and science both require observation and understanding. In this Creative Studies class, an artist and a botanist/geologist will help you to examine the natural landscape with eye and brush. We will have demonstrations and brief lectures focused upon the biological, geological and artistic aspects of two of UCSB's great Natural Reserves: Coal Oil Point and Sedgwick Reserve. The class camps two weekends at Sedgwick.

There will be **THREE** class meetings. Please see below for which weekends to reserve.

Note(s):

Enrollment Limited and by Instructor Approval Only.

For the weekend meetings, students must provide their own camping equipment art supplies. Meals will be provided.

Please Email Hank Pitcher at <u>hankpitcher@gmail.com</u> for an add code. When adding this course, you MUST sign up for 6-units. If you do not, you may be dropped.

A LAB FEE WILL BE CHARGED

Instructors:	Hank Pitcher and Bruce Tiffney
Days and Times:	Saturday, August 16 th , 9:00am – 7:00pm (1 st class)
	Friday – Sunday, August 22 nd – 24 th (2 nd class)
	Friday – Sunday, August 29 th – 31 st (3 rd class)
Places:	Coal Oil Point, Cliff House (1 st class)
	Sedgwick Reserve (2 nd & 3 rd classes)

ART CS 101, 1

EC# 16782

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Places:	Coal Oil Point, Cliff House (1 st class)
	Sedgwick Reserve (2 nd & 3 rd classes)