

Experiential Learning



Fall Courses 2008

Note: *this list emphasizes courses with few prerequisites but students should refer to the Bulletin for full details on requirements.*

TYPES OF EL: (CA) Creative Arts (CEL) Community-Engaged Learning (FB) Field-Based Experience (GI) Guided Inquiry/Research (IP) Internship/Practicum (SR) Science Research
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COURSES IN THE CREATIVE ARTS

STUDIO ARTS COURSES

All the Studio Arts courses are highly experiential at every level; see the Bulletin for a complete list. This list highlights introductory courses. Note studio fees generally apply.

FA 4a secs 1-2 Three-Dimensional Design

Beginning-level course. Exploration of three-dimensional aspects of form, space, and composition utilizing a variety of materials and sculptural techniques. Emphasizes students inventing images through the use of modern materials and contemporary ideas about sculpture. Assignments are based on abstract thought and problem solving. (CA) **Baenziger, Fair**

FA 8a Sculpture in the Age of New Media: Mutational Mayhem

Introduces the basics of 3d modeling with Cinema4D, rapid prototyping (3d printing with the Zcorp plaster printer), digital video with Final Cut Pro, basic electronics (soldering, motors, sensors) and some welding. Students will combine these media to produce performative sculptures and installations that draw from current developments in Alife, AI, biotechnology and robotics. (CA) **Bucher**

FA 109a sec 1 Introduction to Printmaking: Lithography

previous drawing experience needed. Focus on using lithography to create fine art prints. Students start with direct drawing on plates using lithographic crayon and then move on to digitally generated images. Specific assignments are given to explore the visual possibilities of lithography. Usually offered every second year. (CA) **Gisholt**

MUS 101a sec 1-2 Theory and Musicianship I: Part 1

Admission by placement exam to be given in class on the first day of instruction. A first course for students who already read music, but wish to develop a deeper involvement. Focuses on elementary harmony and voice-leading, counterpoint, analysis, and model composition. In the required one-hour lab (MUS 102a), students practice sight-singing and dictation, skills essential to music literacy. (CA) **Keiler**

FA 1a Basic Visual Concepts in Painting

An exploration of two-dimensional visual concepts using oil paint. A semester-long course (intended for the beginner) in which students explore concepts of color, composition, drawing, and expression. Observations from still-lives, models, and landscapes are translated into traditional and contemporary ideas as students learn the basic techniques of oil painting.

(CA) **Downey**

FA 3a secs 1-4 Introduction to Drawing I

No previous drawing experience necessary. For both studio majors and nonmajors. Students will draw from direct observation of still-life, landscape, and the human figure. Drawing media may include graphite, charcoal, ink, and collage, as well as watercolor and pastel. The drawings of great artists throughout history will be studied to provide examples of what is possible within this broad and expressive visual language. (CA) **Downe, Lichtman, Wardwell**

FA 4a sec 3 Performative Prosthetics

This section of 3D Design is oriented towards projects that incorporate the body and body extensions. Students will work with a variety of simple materials and techniques which can be carried into any number of 3d practices, i.e. architecture, engineering, theater and so on. Projects will include performative objects and site specific installations. The student will also be introduced to the Fine Arts shop facilities, power tools and welding. (CA) **Bucher**

FA 107a Beginning Painting

Part I of two-semester course. This is a six-hour per week studio class recommended for freshman and sophomore studio art majors or other students desiring an in-depth painting course. Color theory and various methods of oil painting will be introduced while working from landscape, still life, and the figure. Museum trips and slide lectures will augment studio work.

(CA) **Lichtman**

MUSIC ENSEMBLES

Brandeis offers multiple options to perform in an ensemble for a half-course credit: Chamber Choir, Early Music Ensemble, Jazz Ensemble, Orchestra, University Chorus and Wind Ensemble. These generally meet in the late afternoon and are open by audition. Sections labeled XC are non-credit. (CA)

MUS 107a Introduction to Electro-Acoustic Music

Topics include basic acoustics, sound design, digital and analog recording techniques, and assignments on the pioneers and current practitioners of electro-acoustic music. Hands-on experience in the use of MIDI-controlled synthesizers, samplers, and production equipment. Individual studio projects based on individual studio time. Usually offered every second year.

(CA) **Chasalow**

Experiential Learning



Fall Courses 2008

MUS 111a sec 1-6 Private Instruction: Instrumentalists

Half-course credit. Placement auditions will be held at the start of the semester. Instrumentalists will take ten one-hour, private lessons per semester in the field of early music, jazz, or classical music while participating in a departmental ensemble on that instrument. Studio fees apply. (CA) **Gordon, Ray, Stepner**

MUS 116a Chamber Music: Inside the Piece from the Player's Perspective (multiple sections depending on instrument/voice-see online schedule)

Applies theoretical knowledge to music-making through study and performance of chamber music in master class setting. Examines how performance practice, basic structural analysis, and historical context affect interpretation. Individual and ensemble preparation required. Credit/no-credit. (CA) **Eissenberg, Gordon, Ray, Stepner**

THEATER ARTS COURSES

The Theater Arts program is highly experiential and includes a set of advanced practica in every specialization: Acting, Dance & Movement, Directing, Design, Sound Design, and Stage Management. Two key prerequisite courses are 2A and 41A. This list highlights introductory courses.

THA 4a Acting, the Vocal Physical Connection

A beginning-level course incorporating theater games, improvisations, various movement techniques, relaxation, and vocal release work to open and expand the possibilities of vocal and physical expressiveness. The goal is to liberate the creative imagination, free the student to interact spontaneously with others, and develop relationships with the ensemble. (CA) **Lowry**

THA 15a Vocal Gesture: The Expressive Use of the Voice

The study of the body voice begins with the exploration and application of sensory awareness training and its integration with vocal and physical life. Explores relaxation techniques to alleviate habitual, effort-filled movement; investigates alignment and breath work while carving up the space with voice and gesture. (CA) **Terry**

MUS 112a sec 1 and 2XC Private Instruction: Voice

Half-course credit. Placement auditions will be held at the start of the semester. Ten one-hour, private lessons per semester. Fundamental skills of breathing, resonating, and relaxing will be taught along with repertory appropriate to the individual student. A ten-minute jury is required in second semester. Studio fees apply. (CA) **Olesen**

MUS 5a sec. 1 Fundamentals of Music

For the general student with no musical background. Two hours a week will be devoted to the notation of music, including scales, intervals, keys, triads, rhythm, and meter. The third hour will be devoted to sight-singing and dictation. Reading knowledge of music is not required; a placement exam will be given on the first day of instruction. (CA) **Rakowski**,

THA 2a Introduction to Theater: From the Page to the Stage

Designed to acquaint the student with the theatrical elements of production and performance and to familiarize the student with the role of artist and audience. The student will be placed on a production crew for the Brandeis Theater Company in the corequisite THA 41a. (CA) **Chiu**

THA 15b Public Speaking: The Art of Oral Communication

An introductory course on the basic concepts and techniques of making presentations to groups of people. Students explore the principles of human communication and apply them to various situations and forms of spoken discourse. Students develop a process for analyzing the audience and situation; for choosing, limiting, and researching a subject; for developing effective habits of vocal delivery; and for writing their own speeches. (CA) **Cleary**

THA 101a Stage Management: Part I

An introduction to the field, treating the entire rehearsal and performance process and varying styles and levels of theatrical organization. Students stage-manage or assist on one department production. (CA) **Cleary**

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COURSES IN THE HUMANITIES

CLAS 133a Art & Archaeology of Ancient Greece

Surveys the main forms and styles of Greek art and architecture from the Bronze Age through the Hellenistic period in mainland Greece and on the islands of the Aegean. Archaeological remains and ancient literary evidence help explore the relationships between culture, the visual arts, and society. Usually offered every second year. (CA/GI) **Koloski-Ostrow**

ENG 19b The Autobiographical Imagination

Combines the study of contemporary autobiographical prose and poetry with intense writing practice arising from these texts. Examines the ways in which lies, metaphor, and imagination transform memory to reveal and conceal the self. Usually offered every second year. Students will be selected after the submission of a sample of writing to dept. office no later than 2 days before the start of class. (CA) **Braverman**

ENG 109b Directed Writing: Short Fiction

Students will be selected after the submission of a sample of writing. Samples should be submitted to the department office (Rabb 144) no later than two days before the first class meeting. A workshop for motivated students with a serious interest in pursuing writing. Students' stories, as well as exemplary published short stories, will provide the occasion for textual criticism in class. (CA) **Jen**

ENG 119b Directed Writing: Poetry

For those who wish to improve as poets while broadening their knowledge of poetry, through a wide spectrum of readings. Students' poems will be discussed in a "workshop" format with emphasis on revision. Remaining time will cover assigned readings and issues of craft. Students will be selected after the submission of a sample of writing to dept. office no later than 2 days before the start of class. (CA) **Broumas**

HISP 105a Secs. 1-3 Spanish Conversation and Grammar

In addition to course readings and writing assignments, students work with a Spanish speaking member of the Waltham community in a weekly language exchange. (CEL) **Gravina, Guerrero-Hernandez, Kireyeva,**

CLAS 180a Lovers, Tyrants, and Other Enemies: Greek Tragedy from Aeschylus to Brecht

Aims to familiarize students with Greek tragedy while raising a series of questions about its function as a literary genre and as a public medium in the religious and political context of fifth-century BCE democratic Athens. Special two-time offering; fall '07 and fall '08. (CA) **Visvardi**

ENG 49a Scriptwriting for the Short Film

Offered exclusively on a credit/no credit basis. Students will be selected after the submission of a sample of writing submitted to the department office no later than two days before the first class meeting. Students develop two-three scripts through creative exercises, rewriting, and critiques. Supplementary screenings and reading focuses on the particulars of short-fiction and cinematic-writing. Special one-time offering, fall 2008. (CA) **Salzer**

ENG 109a Directed Writing: Poetry

Students will be selected after the submission of a sample of writing, preferably four to seven pages. Samples should be submitted to the department office (Rabb 144) no later than two days before the first class meeting. May be repeated for credit. A workshop for poets willing to explore and develop their craft through intense reading in current poetry, stylistic explorations of content, and imaginative stretching of forms. (CA) **Wright**

ENG 119a Directed Writing: Fiction

An advanced fiction workshop for students primarily interested in the short story. Students are expected to compose and revise three stories, complete typed critiques of each other's work weekly, and discuss readings based on examples of various techniques. Students will be selected after the submission of a sample of writing to dept. office no later than 2 days before the start of class. (CA) **Jen**

HISP 181a Autores, Narradores y Lectores

Students will consider the delicate relationships among authors, narrators, and readers. Texts will range from Diego de San Pedro's medieval romance "Carcel de Amor," to Cuban-American author Roberto Fernandez's "En la Ocho y la Doce." Students will complete a variety of writing assignments; formal letters, short essays, microcuentos, and a final project that engages newer forms of narration. (GI) **Mandrell**

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COURSES IN THE SCIENCES

BIOL 18b secs 1-4 General Biology Laboratory

Prerequisites: CHEM 18a or 19a. BIOL 22b must be taken before or concurrently with this course. Provides firsthand experience with a wide array of organisms and illustrates basic approaches to problem solving in cell biology. **(SR) Kosinski-Collins**

COSI 11a Programming in Java and C

A general introduction to structured programming and problem solving using C and Java in the context of the World Wide Web. Students also learn GUI programming and advanced HTML authoring. There are weekly programming assignments. Computer science majors with adequate programming skills may wish to take COSI 21a directly. **(GI) DiLillo**

ENVS 100e GIS & Field Methods: The New England Landscape

Open to students in the environmental field semester program only. The skills, methods, and fieldwork component of the four-course environmental field semester. Trains students in geographic information systems (GIS), ecology, farm and forest work, and research into the ecology, history, and stewardship of conservation land in New England. **(FB/ GI) Donahue, Perlman**

PHYS 39a Advanced Physics Laboratory

This course is cotaught with PHYS 169b. Students work in depth on three or four experiments during the term. Topics may include: wave optics, light scattering, Nuclear Magnetic Resonance, X-ray diffraction, scanning tunnelling microscopy, numerical simulation and modeling, holography, electro-optics, phase transitions, rubber elasticity, laser tweezers, chaotic dynamics, and optical microscopy. **(SR) Meyer**

BIOL 32a Field Biology

Introduces students to the biodiversity of southern New England, emphasizing plants and insects. Course work primarily takes place on field trips to various terrestrial and aquatic habitats. Field trip scheduling will be discussed during the first meeting. Usually offered every year. **(FB) Perlman**

ENVS 89a Environmental Internship

Students work in environmental internship placements tailored to the students' academic program interests and skills. Internships are in public and private organizations focused on environmental policy, research, regulation, enforcement and education. A classroom component is designed to provide an opportunity for analysis and discussion of the internship experience. **(CEL/IP) Goldin**

MATH 47a Introduction to Mathematics Research

Prerequisite: MATH 23b or permission of the instructor. Students work on research projects that involve generating data, making conjectures, and proving theorems, and present their results orally and in writing. Introduces applications of computers in mathematical research: symbolic computation, typesetting, and literature search. Usually offered every third year. **(SR) Igusa**

PHYS 169b Advanced Laboratory

This course is cotaught with PHYS 39b. See description above. **(SR) Meyer**

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COURSES IN THE SOCIAL SCIENCES

AMST 106b Food and Farming in America

American food is abundant and cheap. Yet many eat poorly, and some argue our agriculture may be unhealthy and unsustainable. Explores the history of American farming and diet and the prospects for a healthy food system. Includes extensive fieldwork. Usually offered every second year. **(FB) Donahue**

ANTH 1a Comparative Study of Human Society

Students will apply anthropological perspectives to real world challenges in the greater Boston area, working with new immigrants, families in public housing, and other historically under-served communities **(CEL) Auslander**

ANTH 83a Anthropological Inquiry

An ethnographic and comparative survey of key paradigms of anthropological explanation. Examination of links between exemplary theoretical statements and empirical case studies. Relationship of anthropological models to contemporary social theory. **(FB) Ferry**

BUS 89a Work in the Global Business Environment: Internship Seminar

Students complete an internship concurrent with the seminar. A structured journal documenting the internship experience is required as a basis for seminar participation. Encourages students to pool experiences and lessons drawn from various business environments and to analyze and discuss them in the context of related readings. **(IP) Suderow**

AMST 191b Greening the Campus and Community

Students design and implement environmental sustainability initiatives to benefit the campus and the local community. Students analyze the environmental impact of human activities within the existing legal, political, and social structure; learn basic research strategies for auditing and assessing the effect of these activities; and contribute to understanding the environmental impact of the Brandeis community on its surroundings. **(CEL) Goldin**

ANTH 60a Archaeological Methods

Introduces techniques applied in the analysis of archaeological remains. Topics include cataloging, classification and taxonomy, conjoining and reconstruction of objects, electronic databases, quantitative and qualitative analysis, statistical techniques, spatial analysis, archaeological illustration, reporting, and exhibition of archaeological materials. Usually offered every second year. **(FB) Urcid**

ANTH 138a Social Relations in Cyberspace

Provides an introduction to various forms of computer-mediated communication (e.g., e-mail, newsgroups, bulletin boards, and virtual communities) and the ways in which people interact in these different contexts of cyberspace. Students are expected to do online research. **(FB) Jacobson**

CP 201a Making Culture: Theory and Practice

Examines theories of mass, public, popular, and elite culture. Surveys the social dynamics of remembrance, visibility, and performance. Discusses how culture forms emerge in “high” and “low” contexts, from media conglomerates and major museums to “outsider” artists, indigenous communities, and street performers. **(CEL) Auslander**

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Experiential Learning



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ED 102a sec 1-2 Secondary Curriculum, Instruction, and Assessment

ED 102a is a prerequisite for ED 110e. Signature of the education program director required. Principles of curriculum, instruction, and assessment in secondary schools. Two hours per week of participant observation in a secondary classroom are required. **(FB) Staff**

ED 105a Elementary School Curriculum and Teaching: Mathematics and Science

Limited to students enrolling in ED 111e spring semester. Must be taken concurrently with ED 101a in the fall semester. Principles and strategies of teaching mathematics and science in elementary classrooms. Emphasizes understanding mathematical and scientific concepts needed by elementary teachers, effective teaching procedures, and recommended materials. **(GI) Heyman**

ED 112e Practice Teaching: Preschool

Enrollment limited to students in the education program. Signature of the education program director required. Teaching under supervision of qualified head teachers at the Lemberg Children's Center with toddlers, preschoolers, and kindergartners. Thirty-five hours per week includes thirty hours teaching, five hours planning and meeting time. Regular conferences to discuss and evaluate the teaching experience. **(IP) Levenson**

IGS 89b Internship Seminar in International and Global Studies

Weekly seminar combined with an internship placement at an organization focusing on global matters. Academic components include readings on globalization, oral presentation on research, and a paper reflecting on the internship experience. This course is mandatory for all IGS students completing domestic internships to meet the IGS Major requirement. **(IP) Urcid**

JOUR 138b The Contemporary World in Print

Introduces students to the practice of news reporting for print media and links theory and history to the working craft of journalism. Trains students in the fundamentals of news gathering and writing, providing an opportunity to practice those skills in conditions simulating a newsroom. A concern for ethics, balance, and accuracy is stressed in all assignments. Usually offered every second year. **(CA) McNamara**

LGLS 132b Environmental Law and Policy

Examines public health and environmental problems, including regulation of harmful substances in our environment, wilderness preservation, and protection of wetlands and endangered species. Students will play a role in a community planning project assessing the use of a local plot of land. **(CEL/IP) Goldin**

ED 104a Secondary School: Theory into Practice

Must be taken concurrently with ED 110e. Principles and methods of teaching in specific subject areas in secondary schools. Usually offered every fall semester. **(GI) Levenson**

ED 110e Practice Teaching: Secondary

Advanced course with multiple requirements. Consult with the department. Full-time student teaching under supervision of qualified teachers; regular conferences to discuss and evaluate the teaching experience. Includes at least one after-school meeting most weeks, covering such topics as multicultural education, special education, and reading. **(IP) Kish**

HSSP 89a Internship and Analysis

Open only to HSSP majors. A supervised internship in a health care or policy organization. Internship placement must be approved by the HSSP internship instructor. Examples include work in a department of public health, hospital, health care agency, or health advocacy organization. Students are required to attend a biweekly internship course and submit a twenty-to-twenty-five-page research paper relating to their internship. **(IP) Staff**

JOUR 89a Contemporary Media: Internship and Analysis

Brings together students who are independently engaged in various media internships and provides an opportunity for them to exchange their experiences with other students and to discuss and analyze related readings. Students who choose to satisfy the journalism minor's internship option must take this course. **(IP) Morad**

LGLS 89a Law and Society Internship and Seminar

Biweekly class and a supervised law-related internship in a public agency or nonprofit organization. Examples of internship activities include investigating discrimination cases, negotiating between consumers and small business, and researching victim assistance policies. Internships must be arranged through the program administrator. **(IP) Stimell**

PSYC 52a Research Methods and Laboratory in Psychology

In order to pre-enroll in this course, students must consult with the department one semester before anticipated enrollment. The laboratory/lecture offers supervised practice in experimental design, data analysis and interpretation, and formal presentation of experimental results. Usually offered every semester. **(SR) Wright**

Experiential Learning



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PSYC 161a Clinical Psychology Practicum I

Students should only enroll in this course if they are also able to enroll in PSYC 161b in the spring semester. Intensive supervised experience in mental health intervention. Students serve in helping roles as volunteers for eight hours a week in social service and mental health programs. They relate their experience to empirical and literary readings within the context of group supervision in weekly seminars. **(IP) Cunningham**

SOC 92a Sec. 19 Internship and Analysis in Sociology Waltham Action Research Project (WARP)

WARP is a partnership between two Brandeis faculty, a group of Waltham High School juniors and seniors, and a community agency that conducts research on Waltham. Interns will serve as mentors to high school students as they develop action research projects to address the needs of Waltham youth. **(CEL/IP) Bailis and Pineiros-Shields**

WMGS 89b Internship in Women's and Gender Studies: Prevention of Violence against Women and Children

Combines fieldwork in violence prevention programs with a weekly seminar concerning violence against women and children. The seminar examines the tensions and commonalities between "family violence" and "feminist" approaches, with an emphasis on feminist scholarship. **(CEL/IP) Hunter**

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SJSP 89a Social Justice Social Policy Internship Seminar

Signature of Ms. Nancy Feldman, LGLS admin, required. Class plus 8-10 hours per week at placement organization. Before enrolling, students must speak to instructor and read the internship guidelines in the Bulletin. **(CEL/IP) Stimell**

WMGS 5a Women and Gender in Culture and Society

Introduces central concepts in the field. Asks how gendered institutions, behaviors, and representations have been configured in the past and function in the present. Through projects in partnership with local organizations, students will also examine the ways in which gender intersects with many other vectors of identity and circumstance in forming human affairs. **(CEL/GI) Singh**

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