

Olin College Registration Booklet

Fall 2008

Classes begin Thursday, August 28, 2008

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**Registration Timelines
for Add ; Drop and Pass/No Credit ; Withdraw**

Session	Add	Drop and Pass/No Credit	Withdraw
Full Semester (Aug 28 – Dec 9)	September 11, 2008	November 3, 2008	December 9, 2008
Session I (Aug 28-Oct 15)	September 4, 2008	October 1, 2008	October 15, 2008
Session II (Oct 16 – Dec 9)	October 22, 2008	November 18, 2008	December 9, 2008

Frequently Asked Questions and Instructions

What do I register for?

Students are allowed to register for a maximum of 20 credits. All students have a minimum requirement of 12 degree credits to be eligible for the Olin tuition scholarship.

The maximum credits can be distributed between **degree** and **non-degree** activities.

Degree activities are defined as counting toward graduation credit and course requirements (all students must have a minimum of 12 degree credits). Examples of registered degree activities are standard courses, cross-registered courses, independent study and research for degree credit. Consult the catalog for your specific degree requirements.

Non-degree activities are defined as **not** counting toward degree and subject requirements. Examples are passionate pursuits and shop. Non-degree activities are not graded and appear on your transcript if you have met all of your objectives for the activity.

Note: Non-degree activities must be declared at the time of application. They cannot be changed to a degree activity after that time. Likewise, courses designated as degree credit cannot be changed to non-degree credit after the Add period.

How do I choose my activities for degree and non-degree credit?

Use this booklet as a tool to assist you in preparation for advising discussions. Meet with your adviser BEFORE your registration date. Your adviser will “clear” you to register. If you are not cleared, you will not be permitted to register.

I am doing a Study Away Program next semester. Do I need to register?

YES! Students in approved semester away programs must register for a single course: **AWAY1000: Study Away Program**. This course will allow Olin to certify you as a full-time student during the semester you are away. Your approved course work will be transferred to your academic record upon receipt of a transcript from the host institution (provided you have received the minimum required grade). Note: All registrations will be cross-referenced with the Study Away Committee.

Olin Self Study, Independent Study and Research - - - How do I register?

Students interested in doing research and/or independent study can do so by registering for the proper course number on sis.olin.edu AND by applying to the Olin Self Study and Independent Study and Research Board (OSSISURB). ALL OSSISURB applications must be turned into the StAR Center by September 11, 2008 to be considered registered. Any sis.olin.edu registration without an OSSISURB application will be dropped from the student record. Seniors must leave room in their schedules for 4 credits of OSS. Juniors can leave room in their schedules for 4 credits of OSS, subject to finding an OSS advisor.

NOTE: YOUR OSSISURB APPLICATION MAY BE DUE EARLIER THAN YOU ANTICIPATED. PLEASE BE CAREFUL TO READ ANY/ALL OSSISURB RELATED EMAILS.

I am interested in doing a Passionate Pursuit next semester. How do I register?

If you are interested in doing a Passionate Pursuit, consult the Student Handbook for FAQ's. Passionate Pursuits require approval from the Executive committee of the Passionate Pursuit Board in addition to consent of a faculty sponsor and the student's adviser. Passionate Pursuit proposals should be sent to the chair of the executive board, the Dean of Student Life.

How do I participate in Cross-Registration with Babson, Brandeis or Wellesley (BBW)?

Olin students are allowed to take one course per school, per semester; with the exception of first semester freshmen. First semester freshmen are not permitted to participate in cross-registration.

When selecting a BBW course, keep in mind the time constraints of your Olin courses. Additionally, it is important to check for course pre-requisites and the enrollment. Under most circumstances, if the course is full, you will not be able to register for the course. Enrollment is generally found under course “tally” or listed with the course info.

All BBW courses will be noted on your Olin degree audit by 'color' (the area of discipline). It is the student's responsibility to review the ARB approved 'coloring' on the ARB website and note the color on the cross-reg form. If a course is not found on the 'list', the student must petition the CSTB for appropriate coloring.

NEW PROCESS FOR CROSS-REGISTRATION:

In order to submit a cross-registration request, use the cross-registration portlet under the Students tab at <http://my.olin.edu>. This new portlet will be available on Phoenix Net beginning April 14, 2008. The StAR Center will work with the host school to facilitate the registration. The following dates reflect the dates that the host school will accept cross-registration requests from Olin's StAR Center. Olin students may submit requests to the StAR Center any time before the later of the dates listed below.

Babson College Cross Registration dates:

April 1 – 20, 2008, July 16-27, 2008 and August 12 - September 9, 2008

You can find their offerings at <http://www.babson.edu/registrar/>.

Brandeis University Cross Registration dates:

April 8 – 18, 2008 and August 1 – September 11, 2008

You can find Brandeis offerings at <http://www.brandeis.edu/registrar/reg-sched/sch.html>.

Wellesley College Cross Registration dates (courses above 100 level ONLY):

May 12 – August 15, 2008; after August 15, 2008 students must use the visiting student card process

You can find their offerings at [Wellesley Schedule](#).

How do I Cross-Register to Olin College?

Olin welcomes students from Babson, Brandeis and Wellesley to register for Olin courses. In general, all courses except for the first year Integrated Course Blocks (ICBs) are eligible for cross-registration with the permission of the Olin faculty member. BBW students should send a request for a course through their Registrar's Office to the Student Accounts and Records (StAR) Center. Cross-registration request forms can be found at the home institution. Visit <http://star.olin.edu> for more information.

What About Co-Curriculars?

Registration and descriptions for Co-Curriculars will be released during the add period in September. If a student has a particular interest in a co-curricular that they would like to see offered, they are encouraged to seek out a "faculty/staff" sponsor before the end of this semester and notify the Dean of Student Life. Co-Curricular offerings will be posted at <http://star.olin.edu>.

When Do I Register?

On-line registration will take place April 22-24, 2008 during the evening hours. Information regarding the groups will be sent **via email** no later than April 17, 2008. First year students will register during Orientation.

(Registration will be open to cleared and eligible students only. A cleared student is one that has met with his/her adviser and has an updated learning plan. An eligible student is one who does not have an outstanding financial balance with the college.)

When is the Add Period – the Drop Period – the last day to withdraw from a course? – REFERENCE HANDY CHART at beginning of this Booklet.

The Add period* is the first 10 class days of the semester. The Add period will begin on August 28, 2008 and end on September 11, 2008. Add requests can be processed in person at the StAR Center and on-line. Add/Drop forms can be found at <http://star.olin.edu>.

The Drop period begins August 28, 2008 and ends November 3, 2008. During this time, students can alter their schedule as long as they remain in a minimum of 12 credits of degree activities. A "drop" is removed from the student schedule and does not appear on transcripts. Drops and withdrawals after the add period require a hard copy form and must be processed at the StAR Center. There are no on-line drops after the add period ends.

The last day to withdraw from a course is the last day of instruction.

(*Additionally, students wishing to participate in cross-registration will be allowed to alter their Olin schedule to accommodate cross-registration requests if the host schools' add/drop period extends beyond September 11, 2008. This will be done at the StAR Center once the confirmation of the cross-registered request is received. The reason for this is due to the variable times at which we can honor cross-registration requests depending on the host school's registration times.)

How do I Register? --- Internet Explorer is the preferred browser

1. Log into the Web Registration system at <https://sis.olin.edu> (note: your username is your first initial followed by your last name and your password is your 'old' sis.olin.edu password and not your network log-in; please do not use ;the portal for fall 2008 registration).

The following instructions are based on the sis.olin.edu site:

2. Make sure your "Set Options" are selected for **FALL 2008**. This can be done from the **MAIN** page at the bottom of the screen.
3. Select the **Registration** option from the directory structure on the left frame of the web page.
4. You will only be able to enter registration if it is (1) during your assigned time block; (2) if you are cleared by your adviser; and (3) if you do not have a hold due to financial obligations.
5. Enter the course number and the section of your choice and click **Add**. (For course numbers and sections refer to the course listing in this booklet.)

Note: Course numbers have no space between the letter and the number. Sections numbers are two digits with a leading zero if necessary – e.g. section one is 01.)

6. Confirmation Messages appear above the schedule in the **blue bar**. If you are not successful with an add function (due to a conflict or a full course), try another course and/or section. If you make a mistake, you can **Drop** the confirmed course and **Swap** it for another by using the **Swap** option. To use the swap option, select a course to "drop" and then enter the course number and section that you want to swap for it. You can also drop courses by selecting the radial button next to the course and clicking the "drop" key. You can only drop one course at a time. When you are finished, close the browser.

Waitlists

Waitlists are available on most courses. In sis.olin.edu, a waitlist comment is included in the course catalog offering section by clicking on the "VIEW" button under requirements if there is indeed a waitlist.

Fall 2008 Supplement to Current Course Catalog

Degree requirements are outlined in the 2007-08 Course Catalog. You may view the on-line catalog at [2007-08 Course Catalog](#)

Course descriptions can also be found in the [2007-08 Course Catalog](#). Courses for Fall 2008 that have been approved after the catalog printing are listed below.

AHSE 1199 section 01

Arts, Humanities and Social Science Foundation Topic

Subtitle: Live to Write: Creative Writing Workshop

Instructor(s): Shea

Credits: 4 AHS

Did you know that engineers are notorious for being poor writers?

--But it simply isn't the case!

See for yourself in this Creative Writing Workshop.

Ever ponder the creation of your own (best-selling) novel, screenplay, or sci-fi classic? Interested in blogging? Do you have a favorite poem? What's your writing "style"?

Explore the poetic and narrative forms via reading, writing, and off-campus adventure. The genres of fiction, poetry, and creative nonfiction are the receptacles of our experience (present and past) as we attempt to write what we know, feel, and imagine. Students can expect weekly reading and short writing assignments in addition to the cultivation of a completed story, essay, or poetry manuscript. The task of laying claim to one's own voice is central to the course goals, yet, the assumption going in is that the idea is wet clay. No experience necessary!

AHSE 1199 section 02

Arts, Humanities and Social Science Foundation Topic

Subtitle: Health and the Urban Environment

Instructor(s): Goldoftas

Credits: 4 AHS

The next frontier in environmentalism is the urban environment and the ways that living in a city or its outskirts can influence human health. This course explores that frontier, looking at risks that the built environment can pose to human health; roles that science can play in assessing these risks; and challenges and limitations of that approach. We will also look at urbanization and early public health movements; current trends in globalization and urban growth; susceptible populations and disparities in urban health. Case studies will include air quality and public health; the built environment and type two diabetes; the privatization of public water supplies; food and the urban footprint; and climate change.

AHSE 1199 section 03

Arts, Humanities and Social Science Foundation Topic

Subtitle: Globalization: Cultures, Economies and Politics

Instructor(s): Lynch

Credits: 4 AHS

We hear about "globalization" almost daily, but what is it? Compared to past eras of global contact, the movement today of people, things, money, information, and ideas around the globe is quick and dense. But what are the economic, political, social, cultural, and environmental causes and effects of today's complex global connections? This course examines globalization from an interdisciplinary perspective, engaging with research in anthropology, sociology, economics, and political science. The course has three parts. Part I focuses on the global movement of people. We examine case studies and conceptual frameworks for understanding issues of cultural difference and conflict, family and community connection and separation, economic inequality. Special attention is paid to experiences of Hmong immigrants in California and Dominican immigrants in Boston. Part II shifts our study to the global movement of things, and focuses on clothing. We follow the life of a t-shirt as it travels through the global economy (cotton in Texas, textile and garment factories in China, secondhand resale in Zambia). We also examine the lives of Sri Lankan women who sew clothes for export to the US and Europe. Part III integrates the first two parts. In small teams, students will conduct anthropological studies of globalization by focusing on the complex travels of one consumer item--and the many places people interact with it--in today's global economy (choices may include cell phones, diamonds, bananas, and hamburgers). Students will learn methods for qualitative interviewing and analysis, and will study the ethics of research with human subjects.

AHSE 2199: Special Topics in Arts, Humanities, Social Sciences (COURSE CANCELLED)

Globalization: Boston and “Back Home”

Instructor: Lynch

Credits: 4 AHSE

Hours: 4-0-8

Special Scheduling Note: The course is scheduled for 5 hours/week to enable group project time, but it will often only meet part of that time. Specific schedule will be announced at the start of the semester.

We hear about “globalization” almost daily. What does it mean in economic, political, social, cultural, and environmental terms as the lives of people around the world become increasingly interconnected? Members of the many vibrant immigrant communities in the Boston area maintain connections to some other part of the globe that they call “back home.” We will examine the immigrant context in the era of globalization using anthropological frameworks and methods, which will be taught and developed throughout the course. This course has three components:

1. It will focus on a pre-determined selection of Boston immigrant communities (possibilities include Brazilians, Irish, Indians, Sudanese), and will examine economic, political, social, cultural and environmental dimensions of their lives in the U.S. and “back home.” For instance, why have immigrants come to the U.S.--what are the factors that “push” them from their original homes, and the factors that “pull” them here? How do they maintain connections to family “back home”? Where do immigrants find work--and what if they do not have legal status to work here, and what if they do not speak English?
2. The semester will include visits from professionals working with immigrant communities in the Boston area (e.g., in immigration law, trade unions, ESL programs, anti-trafficking coalitions).
3. The semester will focus on team-based projects that result in research on and recommendations for a Boston-area organization that works with immigrant communities. The form of the final projects is still open to student input. We may partner with one organization to help with an issue, problem, or opportunity that the organization identifies--the entire class working on aspects of this one issue. Or students may work with an organization of their own choosing. Possible modes of work include: volunteer with the organization, interview members and their constituents perhaps using photo diaries, observe organization events, examine the organization’s records, and more. Students will offer an analysis and recommendations that will be accessible to the organization and will engage with the frameworks and concepts discussed in class.

AHSE 3190

AHS Capstone Preparatory Workshop

Instructor: Epstein

Credits: 1 AHS (Pass/No Credit)

Hours: 0-0-3

Meeting time: None. Most work will be done independently or in conjunction with student TAs. A small number of group meetings, no more than three all semester, will be scheduled at a time TBA.

This course offers the opportunity to begin researching your proposed AHS Capstone topic, plan logistics, and write a proposal prior to enrolling in the AHS Capstone project. Students will work on a series of tasks throughout this semester in an independent manner, and can solicit feedback from other students in this course, Capstone teaching assistants, and Capstone teaching staff. Tasks include identification of the project area/topic and mentor; and also production of a partial annotated bibliography (that contextualizes each source with respect to one or more scholarly disciplines) and a detailed Capstone proposal (which includes a project statement, thesis, plan of work, etc.).

AHSE 3510

New Technology Ventures

Instructor: Schiffman

Credits: 4 AHSE

Hours: 4-0-8

Prerequisites: AHSE 1500 (FBE)

Creating a new venture that has technology as a basis for its products or services presents special challenges. On one hand is the "push" of new technology, as evidenced by the plethora of scientific invention and technological innovation. On the other hand is the "pull" of the market as it presents new entrepreneurial opportunities. Other key challenges present themselves in areas of intellectual property protection, team building and funding opportunities. In this course we will explore entrepreneurship in technology industries in depth with the hope of penetrating the popular veneer, and uncovering the guts of starting a growing new technology ventures. Of course, there is a lot about new technology venturing that is common to all new venture creation, and also the qualities entrepreneurs demonstrate are valuable in a wide spectrum of life's activities.

A unique aspect of this course is its desire to include students from both Babson as well as the F.W. Olin College of Engineering. Particular value from this intermingling will be evidenced in the true interdisciplinary nature of the course field project teams that are formed, and the ability for students to begin to develop networks of relationships outside their individual domains of business or engineering.

AHSE 3599: Special Topics in Business and Entrepreneurship

Intellectual Property for Engineers and Scientists

Instructor: D. Kerns

Credits: 2 AHSE

Hours: 2-0-4

Pre-requisite: AHSE 1500 (FBE)

This course introduces the fundamentals of intellectual property (IP): patents, trade secrets, copyrights and trademarks. There is an emphasis on patent protection for inventions, and a major project component of the course in which each student will create elements of patent applications that will be peer-reviewed in student teams. Topics include introduction to patent law, identifying what's patentable, tests for patentability, patent searches to identify prior art and as a resource for further innovation, the structure of a patent, reading and drafting patent claims, the patent prosecution process, international patents, commercialization of patent rights, protecting software, Olin College's unique IP policy, and the basics of trade secrets and copyrights.

AHSE 4190: Arts, Humanities Social Sciences Capstone Project

Information regarding Projects in 2008-09: Deadline for applying for approval for fall '08 "course capstones" is Thursday, April 17. For info on how to do this, please see AHS policies information that will be emailed to all students around the time of the release of fall '08 registration info.

- Music: Students wishing to do music capstone projects in the '08-'09 year should contact Diana Dabby and plan to enroll in spring '09.
- Rob Martello: Students wishing to do history projects with Rob as a mentor should enroll in the project for fall '08.
- Helen Donis-Keller: Students wishing to do art projects with Helen as a mentor should preferably enroll in the project for spring '09.
- Caitrin Lynch: Students wishing to do projects with Caitrin as a mentor should enroll in the project for spring '09.
- Lynn Stein: Students wishing to do projects with Lynn as a mentor should preferably enroll in the project for fall '08. (She is the course instructor in fall, so this makes the most sense.)

ENGR 2399: Special Topics in Mechanical Engineering

Introduction to Mechanical Prototyping

Instructor: Barrett

Credits: 4 ENGR

Hours: 5-3-4

Prerequisites: ENGR 1200 (ICB2)

Through project experiences, students will learn the techniques needed to both master the technical communication of mechanical designs and the fabrication skills needed to rapidly build them. Students will practice professional drafting techniques to describe a full range of fabricated components, including milled, lathed, sheet metal, water jet, injection molded, 3d printed and welded components. This course will include a significant machine shop component, where each student will gain exposure to advanced fabrication techniques. The final project will be the design and fabrication of a fully operational, complex mechanical system.

ENGR 3426**Mixed Analog-Digital VLSI I**

Instructor(s): Mark Chang and Brad Minch

Credits: 4 ENGR

Hours: 4-4-4

Prerequisites: ENGR 2420 (Circuits)

This course will provide an overview of mixed-signal (analog and digital) integrated circuit design in modern complimentary metal-oxide (CMOS) technologies. Students will learn transistor-level design of digital and analog circuits, layout techniques for digital and analog circuit modules, and special physical considerations that arise in a mixed-signal integrated circuit. Students will design a custom mixed-signal integrated circuit that will be sent out for fabrication at the end of the semester if they enroll in MADVLSI II.

ENGR 3299 – Special Topics in Design Engineering**Product Design and Development**

Instructor(s): Sabin

Credits: 4 ENGR

Prerequisites: ENGR 2250

Product Design & Development (PDD) is a hands-on class where teams of students from Babson, the Rhode Island School of Design and Olin conceive of and design new products. By the end of the semester, teams will have novel product designs that are ready to go to market. We will get there by following the design process from opportunity recognition to prototype. We will emphasize developing products that meet users' needs and have a viable path to market.

SCI 1410**Materials Science and Solid State Chemistry (with laboratory)**

Instructor(s): Chachra, Stolk, Christianson

Credits: 4 SCI

Hours: 3-3-6

Usually Offered: Fall, Spring

This laboratory-based course introduces students to the relationships among structure, processing, properties, and performance of solid state materials including metals, ceramics, polymers, composites, and semiconductors.

Topics include atomic structure and bonding, crystallography, diffusion, defects, equilibrium, solubility, phase transformations, and electrical, magnetic, thermal, optical and mechanical properties. Students apply materials science principles in laboratory projects that emphasize experimental design and data analysis, examination of material composition and structure, measurement and modification of material properties, and connection of material behavior to performance in engineering applications. The course is offered in four "flavors." Each flavor has a different emphasis in some of the course projects, but all course flavors provide for significant student choice in project topics and experimental processes.

- A. Historical Context (co-taught with AHSE 2110)
- B. Thermal and Mechanical Properties
- C. Biomaterials, Polymers and Mechanical Properties
- D. Electrical and Magnetic Properties

Course flavors will be differentiated by the appropriate letter as a prefix to the section. The course number will be SCI 1410 for all versions.

SCI 2299: Special Topics in Biological Sciences**Bacteriophage Genomics Research Project Laboratory**

Instructor(s): Helen Donniss-Keller

Credits: 4 SCI

Hours: 4-1-8

Pre-requisite: SCI 1210 (Olin), BISC 219 (Wellesley)

The process of discovery in biology realized through laboratory research must be experienced, not simply read about in a textbook in order for one to fully appreciate what it takes to do science and how it feels to have discovered something not previously known. Bacteriophages (viruses of bacteria) are particularly interesting and relevant subjects for study because they constitute the majority of all biological entities (an estimated 10³¹ tailed phages inhabit the planet earth) and they profoundly influence the microbial world, yet very little is known about the vast majority of them. Knowledge of phages and their host bacteria is important from a public health perspective and phages present an opportunity for study of bioengineering organisms. In this hands-on, project-based course, students will isolate bacteriophages from nearby locations and purify them in the laboratory. Purified viruses, named by their discoverers, will be investigated by a variety of means including Transmission Electron Microscopy (TEM), restriction enzyme digestion analysis, host range characterization, lysogeny testing, and via help from collaborators, DNA sequencing of their entire genomes. Students in this course will learn about genomics by analysis of the DNA sequences from new phage genomes using software tools and the extensive database resources at the National Center for Biotechnology Information (NCBI). By the means of comparative genome analysis, putative new genes will be identified and compared with those from similar organisms in order to better understand the extent of diversity and evolution of mycobacteriophages. In addition to laboratory studies students will participate in weekly journal club discussions and study text-based material that will enhance understanding of phage biology and the field of genomics.

SCI 2399: Special Topics in Chemistry**Group Theory in Chemistry and Its Applications**

Instructor: Chris Morse

Credits: 4 SCI

Hours: 4-0-8

Prerequisites: SCI 1310, equivalent, or permission of the instructor

The course will assume no prior knowledge of group theory and will build up all the required mathematical tools within. Group theory will be used to explain molecular orbitals in both organic and inorganic molecules. This will allow for discussion and explanation of electronic structure, electronic transitions, and magnetism and the spectroscopies associated with them. While some inorganic chemistry and an understanding of bonding in molecules will be useful, the material will reinforce rather than assume a knowledge of those courses.

Other Registration Opportunities or Notes

MEC 1000

Fundamentals of Machine Shop Operations

Instructor(s): Anderson

Credits: 4 Non Degree (will not meet degree requirements)

Hours: 6-0-6

Pre-requisites: Preference will be given those with prior machining and CAD experience

The course focuses on the fundamentals of machine shop operations, the foundations for all classical machining techniques. In addition, we will cover necessary mechanical design elements and CAD techniques to equip you with the skills to help other students. No basics will be skipped!

We will cover topics in proper breadth and depth to ensure that you come away with a sound understanding of machine shop safety, bench work, measurement, part layout, machine setup, operation and maintenance. We will also focus on design techniques and drawing creation using SolidWorks. Projects will be assigned to enforce these concepts and also provide many hours of machine time. There will be incentives to entice you to work professionally, learn how to interpret and establish appropriate design requirements and make parts to specification. Additionally you will learn how to inspect parts to ensure they meet specification. Time permitting - there will be field trips to local establishments to expand your horizons.

IDENTIFIED OPPORTUNITIES FOR OLIN STUDENTS AT BABSON COLLEGE

QTM3625 Financial Modeling with Simulation and Optimization Mon/Wed 5-6:35pm

This course is an introduction to quantitative techniques that enable finance professionals to make optimal decisions under uncertainty. Both theoretical background and applications of these techniques will be discussed, and students will be expected to achieve proficiency in software tools that are widely used in industry. Topics include simulation of important probability distributions, bootstrapping, random walks, linear and nonlinear optimization. Lectures draw on examples such as asset allocation under different definitions of risk, hedging and arbitrage, and financial derivative pricing. QTM3625 is a Babson College course, but will be offered on the campus of the Olin College of Engineering in the Fall semester of 2008. 10 Seats Reserved for OLIN Students!

Area	Course #	Sec #	Course Title	Instructors	Credits	Time	Location (tentative)	Enroll Limits	Note
AHS	AHSE 0112	01	The Olin Conductorless Orchestra	Dabby	1	R 6:45-9:00p	AC305; AC318	none	Audition Required; See Description
AHS	AHSE 2199		Special Topics in Arts, Humanities, Social Sciences: Globalization: Boston and "Back Home"	Lynch	4	T 9-11:50; F 10-11:50a	MH219	20	The course is scheduled for 5 hours/week to enable group project time, but it will often only meet part of that time. Specific schedule will be noted at the start of the semester.
AHS	AHSE 3190	01	Arts, Humanities, Social Sciences Capstone Preparatory Workshop	Epstein	4	n/a			
AHS	AHSE 4190	01	Arts, Humanities, Social Sciences Capstone	Stein	4	T 3-5:50p	AC218	30	
DSN	ENGR 3210	01	Sustainable Design	Linder	4	MR 10-11:50a	AC318	25	
DSN	ENGR 3299	01	Special Topics in Design Engineering: <i>Product Design & Development</i>	Sabin	4	R 1:00-5:00p	AC318	20	Course taught with Babson and Rhode Island School of Design
E!	AHSE 1500	01	Foundations of Business and Entrepreneurship	Bourne; Gold; Schiffman	4	TF 1-2:50p	AC328	40	
E!	AHSE 3510	01	New Technology Ventures	Schiffman	4	TR 4-5:35p	AC113	20	Cross-listed course with Babson
E!	AHSE 3599	01	Special Topics in Business and Entrepreneurship: <i>Intellectual Property for Engineers and Scientists</i>	Kerns, D	2	TF 1-1:50p	AC113	15	Prerequisite = AHSE 1500
E!	AHSE 4590	01	Entrepreneurship Capstone	Bourne; Schiffman	2;4	T 10-11:50a	AC302	10	
BABSON E!	QTM 3625		Financial Modeling			MW 5:25-7:00p	Babson	10 for Olin	Register through Cross-Registration Portlet; 10 seats reserved for Olin
E: MS	ENGR 3810	04	Structural Biomaterials	Chachra	4	MR 10-11:50a	AC326; AC413	25	TENTATIVE
E: MS	ENGR 3820	01	Failure Analysis and Prevention	Stolk	4	TF 10-11:50a	AC413	25	
E:BE	ENGR 3600	01	Topics in Bioengineering	Sieminski	4	MR 1-2:50p	AC326	25	
E:C	ENGR 2510	01	Software Design	Stein	4	MW 1-2:50p; W lab 9-10:50a	AC318	25	
E:C	ENGR 3540	01	Computational Modeling	Downey	4	TF 10-11:50a	AC328	20	
E:SYS	ENGR 3710	01	Systems	Bingham	4	TF 10-11:50a	AC318	25	

Area	Course #	Sec #	Course Title	Instructors	Credits	Time	Location (tentative)	Enroll Limits	Note
ECE	ENGR 3410	01	Computer Architecture	Chang	4	MR 11-11:50a; T 1-2:50p	AC304	25	
ECE	ENGR 3420	01	Introduction to Analog and Digital Communications	Govindasamy	4	MR 10-10:50a; F 1-2:50p	AC304	25	
ECE	ENGR 3426	01	Mixed Analog-Digital VLSI I	Minch; Chang	4	MR 1-2:50p	AC304	25	
ENGR	ENGR 2210	01	Principles of Engineering	Minch; Lee	4	MR 10-11:50a	AC306	28	
ENGR	ENGR 2210	02	Principles of Engineering	Storey	4	TF 10-11:50a	AC306	28	
ENGR	ENGR 4190	01-'12	Senior CO nulting Program for Engineering (SCOPE)	Barrett, et al	4	W 8-10:50a; W 1-5:50p	OC120	75	All Seniors Register for Section 01 during Registration
ENGR	ENGR 4190a	01	Senior CO nulting Program for Engineering (SCOPE) - For NonOlin Students	varies	2;4	W 8-10:50a; W 1-5:50p		n/a	Available for non-Olin Students
ME	ENGR 2340	01	Dynamics	Bingham	4	MR 10-11:50a	AC109	30	
ME	ENGR 3310	01	Transport Phenomena	Townsend	4	MR 1-2:50p	AC328	30	
ME	ENGR 3330	01	Mechanical Design	PrechtI; Barrett	4	TF 1-2:50p	AC309	25	
ME	ENGR 3335	01	Mechanical Vibrations	Lee	4	TF 10-11:50a	AC109	25	
ME	ENGR 3399	01	Special Topics in Mechanical Engineering: <i>Introduction to Mechanical Prototyping</i>	Barrett	4	M 3-4:50p; R 3- 5:50p	AC309	20	TENTATIVE
MTH	MTH 2110	01	Discrete Math	Gospodinov	4	MR 4-5:50p	AC328	40	
MTH	MTH 2120	01	Linear Algebra	Moody	2	MR 8-9:50a	AC328	48	Session I
MTH	MTH 2130	01	Probability and Statistics	Moody	2	MR 8-9:50a	AC328	48	Session II
MTH	MTH 2140	01	Differential Equations	Gospodinov	2	T 8-9:50a	AC328	40	NOTE: THIS IS FULL SEMESTER; NOT 1/2 SESSION
MTH	MTH 3160	01	Introduction to Complex Variables	Tilley	4	MR 3-3:50p; W 9-10:50a	AC326	25	

Area	Course #	Sec #	Course Title	Instructors	Credits	Time	Location (tentative)	Enroll Limits	Note
MTH	MTH 3170	01	Nonlinear Dynamics and Chaos	Geddes	4	MR 3-4:50p	AC213	25	
OIE	AHSE 1100	01	History of Technology: A Cultural and Contextual Approach	Martello	4	TF 10-11:50a	AC213	18	AHS Foundation
OIE	AHSE 1122	01	The Wired Ensemble - Instruments, Voices, Players	Dabby	4	T 3-4:50p; F 10-11:50a	AC305	18	AHS Foundation
OIE	AHSE 1130	01	Seeing and Hearing: Communicating with Photographs, Video and Sound	Donis-Keller	4	TF 10-11:50a	AC313	18	AHS Foundation
OIE	AHSE 1199	01	Arts, Humanities, Social Sciences Foundation Topic: Live to Write / Creative Writing Workshop	Shea	4	TF 10-11:50a	AC326	18	AHS Foundation
OIE	AHSE 1199	02	Arts, Humanities, Social Sciences Foundation Topic: Health and the Urban Environment	Goldoftas	4	T 10-11:50a; F 9-10:50a	AC417	18	AHS Foundation
OIE	AHSE 1199	03	Arts, Humanities, Social Sciences Foundation Topic: Globalization: Cultures, Economies and Politics	Lynch	4	TF 10-11:50a	AC218	18	AHS Foundation
OIE	ENGR 1110	01	Introduction to Modeling and Control: Engineering of Compartment Systems	Storey; Mur-Miranda	3	R 11-11:50a; T 1-2:50p	R OC120; AC126	28	
OIE	ENGR 1110	02	Introduction to Modeling and Control: Engineering of Compartment Systems	Storey; Mur-Miranda	3	R 11-11:50a; W 1-2:50p	R OC120; AC126	28	
OIE	ENGR 1110	03	Introduction to Modeling and Control: Engineering of Compartment Systems	Storey; Mur-Miranda	3	R 11-11:50a; R 1-2:50p	R OC120; AC126	28	
OIE	ENGR 1200	01	Design Nature	Linder	4	MWR 4-5:50p	AC204; OC120	28	
OIE	ENGR 1200	02	Design Nature	Eris	4	MWR 4-5:50p	AC206; OC120	28	
OIE	ENGR 1200	03	Design Nature	Stolk	4	MWR 4-5:50p	AC209; OC120	28	
OIE	MTH 1111 and SCI 1111	01	Modeling and Simulation of the Physical World	Somerville, Geddes, Downey	4	MF 1-2:50p; W 9-10:50a	AC204; W OC120	28	
OIE	MTH 1111 and SCI 1111	02	Modeling and Simulation of the Physical World	Somerville, Geddes, Downey	4	MF 1-2:50p; W 9-10:50a	AC206; W OC120	28	
OIE	MTH 1111 and SCI 1111	03	Modeling and Simulation of the Physical World	Somerville, Geddes, Downey	4	MF 1-2:50p; W 9-10:50a	AC209; W OC120	28	
OSSIS URB	ENGR, SCI, MTH 0097, AHSE 0197; AHSE 0597; ISR 0097		Undergraduate Research Activity	varies	varied				

Area	Course #	Sec #	Course Title	Instructors	Credits	Time	Location (tentative)	Enroll Limits	Note
OSSIS URB	ENGR, SCI, MTH 0098, AHSE 0198; AHSE 0598; ISR 0097		Independent Study Activity	varies	varied				
OSSIS URB	ENGR, SCI, MTH, AHSE 4198; AHSE 4598 ; ISR 4198		Olin Self Study	varies	2;4				
SCI	SCI 1210	01	Principles of Modern Biology with Lab	Lutton	4	MR 10-11:50a; T 3-5:50p	AC417; AC406	22	
SCI	SCI 1210	02	Principles of Modern Biology with Lab	Lutton	4	MR 1-2:50p; W 1-3:50p	AC417; AC406	22	
SCI	SCI 1410	G1	Materials Science and Solid State Chemistry with Lab: Biomaterials, Polymers and Mechanical Properties	Ghachra	4	MW 4-6:50p	AC417; AC413	20	TENTATIVE
SCI	SCI 1410	D1	Materials Science and Solid State Chemistry with Lab: <i>Electrical and Magnetic Properties</i>	Christianson	4	MW 1-3:50p	M 413; W 417/413	20	
SCI	SCI 2130	01	Modern Physics	Holt	4	MR 1-2:50p	AC113	15	
SCI	SCI 2299	01	Special Topics in Biological Sciences: Bacteriophage Genomics Research Project Laboratory	Donis-Keller	4	TF 1-2:50p	AC404	15	
SCI	SCI 2320	01	Organic Chemistry w/ Lab	Morse	4	TF 1-2:50p; W 3-5:50p	AC417; AC409	20	based on enrollment; additional labs may be added
SCI	SCI 2399	01	Special Topics in Chemistry: <i>Group Theory in Chemistry and Its Applications</i>	Morse	4	TF 10-11:50a	AC113	20	
SCI	SCI 3130	01	Advanced Classical Mechanics	Zastavker	4	MR 8-9:50a	CC209	20	
	AWAY1000	01	Study Away Program	n/a	12				Registration Required for those in APPROVED Study Away Programs
	MEC 1000	01	Fundamentals of Machine Shop Operations	Anderson	4 non-degree	TW 4-5:50p	AC104	6	

	Mon						Tues												Wed			SCOPE				
8:00	MTH 2120 Linear Algebra Sess I	MTH 2130 Prob Stats Sess II	SCI 3130 Adv Classical Mechanics				MTH 2140 Diff Equat'ns																			
8:50																										
9:00	328	328	CC209				Full Semester 328																MTH 3160 Intro to Complex Variables 326	ENGR 2510 Software Design LAB 318	OIE Modeling and Simulation of Physical World MTH 1111 / SCI 1111 all sections MH120	
9:50																										
10:00	SCI 1210 -01 Prin Modern Bio	ENGR 3420 Intro Anal & Dig Comm 304	ENGR 2340 Dynamics	ENGR 3210 Sustainable Design	ENGR 2210 sec 01 Prin of Engineering		OIE History of Technology AHSE 1100 213	OIE Seeing & Hearing: AHSE 1130 313	OIE AHS Foundation Topic AHSE 1199 sec 01 326	OIE AHS Foundation Topic AHSE 1199 sec 02 417	OIE AHS Foundation Topic AHSE 1199 sec 03 218	AHSE 4590 Entrepreneurship Capstone 302	ENGR 3335 Mechanical Vibrations 109	SCI 2399 Group Theory 113	ENGR 3540 Computational Modeling 328	ENGR 3710 Systems 318	ENGR 3820 Failure Analysis and Prevention 413	ENGR 2210 sec 02 Prin of Engineering 306								
10:50																										
11:00	417	ENGR 3410 Computer Architecture 304	109	318	306																					
11:50																										
12:00																					Open Meeting Time					
12:50																										
1:00	SCI 2130 Modern Physics	SCI 1410 D1 MatSci & Solid State Chemistry	SCI 1210 -02 Prin Modern Bio	ENGR 3600 Topics BioEngineering	ENGR 2510 Software Design	ENGR 3426 MADLVSI , I	ENGR 3310 Transport Phenomena	OIE Modeling and Simulation of Physical World sec 01, 02, 03 MTH 1111 / SCI 1111 204, 206, 209	ENGR 3330 Mechanical Design 309	AHSE 1500 Found. Of Bus. And E-ship 328	ENGR 3410 Computer Architecture 304	SCI 2299 Bacteriophage Genomics Res Prj Lab 404	SCI 2320 Organic Chemistry 417				OIE Mod Cont: Engr Comp Systems ENGR 1110 sec 01 126	AHSE 3599 Intell Property 113								
1:50																										
2:00	413	<i>E & M Properties</i>	417	326	318	304	328	204, 206, 209																		
2:50																										
3:00			MTH 3160 Intro to Complex Variables 326	ENGR 3399 Intro to Mechanical Prototyping 309	MTH 3170 Nonlinear Dynamics and Chaos 213				AHSE 4190 AHS Capstone Project 218	OIE Wired Ensemble AHSE 1122 305/318			SCI 1210 -01 Prin Modern Bio LAB 406													
3:50																										
4:00	MTH 2110 Discrete Math	OIE Design Nature sec 01, 02, 03 ENGR 1200										AHSE 3510 Tech New Ventures 113														
4:50																										
5:00	328	204, 206, 209																								
5:50																										
6:00																										
6:50																										

BABSON COURSE open to Olin students - Register via Cross-registration procedures
QTM3625: Financial Modeling MW 5:25-7pm
held at Babson

BABSON COURSE - Register via Cross-registration procedures
QTM3625: Financial Modeling MW 5:25-7pm at Babson

Thurs							Fri											
MTH 2120 Linear Algebra Sess I 328	MTH 2130 Prob Stats Sess II 328	SCI 3130 Adv Classical Mechanics CC209														8:00		
																8:50		
																9:00		
																9:50		
SCI 1210 -01 Prin Modern Bio 417	ENGR 3420 Intro Anal & Dig Comm 304 ENGR 3410 Computer Architecture 304	ENGR 2340 Dynamics 109	ENGR 3210 Sustainabl e Design 318	ENGR 2210 sec 01 Prin of Enginee ring 306	OIE Mod Cont: Engr Comp Systems ENGR 1110 all sections MH 120	OIE History of Technolog y AHSE 1100 213	OIE Wired Ensemble AHSE 1122 305/304	OIE Seeing & Hearing: AHSE 1130 313	OIE AHS Foundatio n Topic AHSE 1199 sec 01 326	OIE AHS Foundatio n Topic AHSE 1199 sec 02 417	OIE AHS Foundatio n Topic AHSE 1199 sec 03 218	ENGR 3335 Mechanic al Vibrations 109	SCI 2399 Group Theory 113	ENGR 3540 Computati onal Modeling 328	ENGR 3710 Systems 318	ENGR 3820 Failure Analysis and Preventio n 413	ENGR 2210 sec 02 Prin of Engineeri ng 306	10:00
																	10:50	
																		11:00
																		11:50
																		12:00
																		12:50
SCI 2130 Modern Physics 113	SCI 1210 -02 Prin Modern Bio 417	ENGR 3426 MADLVS I 304	ENGR 3600 Topics BioEngine ering 326	ENGR 3299 Product Design and Developm ent 318 and 109 or 306 (tbd)	ENGR 3310 Transport Phenomen a 328	OIE Mod Cont: Engr Comp Systems ENGR 1110 sec 03 126	ENGR 3330 Mechanic al Design 309	AHSE 1500 Found. Of Bus. And E- ship 328	ENGR 3420 Intro Anal & Dig Comm 304	SCI 2299 Bacteriophage Genomics Res Prj Lab 404	SCI 2320 Organic Chemistry 417	AHSE 3599 Intell Property 113	OIE Modeling and Simulation of Physical World sec 01, 02, 03 MTH 1111 / SCI 1111 204, 206, 209					1:00
																		1:50
																		2:00
																		2:50
																		3:00
	MTH 3160 Intro to Complex Variables and Chaos 326	MTH 3170 Nonlinear Dynamics and Chaos 213																3:50
MTH 2110 Discrete Math 328	OIE Design Nature sec 01, 02, 03 ENGR 1200 204, 206, 209		AHSE 3510 Tech New Ventures 113															4:00
																		4:50
																		5:00
																		5:50
																		6:00
																		6:50
AHSE 0112 Olin Conductorless Orchestra 6:45-9:00pm																		6:50

Spring 2009 Tentative List of Offerings

Area	Course #	# of Sections	Course Title	Credits	Note
AHS	AHSE 0112	1	The Olin Conductorless Orchestra	1	Audition Required; See Description
AHS	AHSE 1XXX	4	AHS Foundation Two	4	
AHS	AHSE 2110		The Stuff of History: Materials and Culture in Ancient, Revolutionary and Contemporary Times	4	Integrated with SCI1410A
AHS	AHSE 2120	1	Heroes for the Renaissance Engineer: Leondardo, Nabokov, Bach, Borodin	4	
AHS	AHSE 2XXX	2	Intermediate AHS Topic	4	
AHS	AHSE 3190	1	AHS Capstone Preparatory Workshop	1	
AHS	AHSE 4190	1	AHS Capstone	4	
DSN	ENGR 2250	3	User Oriented Collaborative Design	4	
DSN	ENGR 3220	1	Human Factors Interface Design	4	
DSN	ENGR 3240	1	Distributed Engineering Design	4	
E!	AHSE 1500	1	Foundations of Business and Entrepreneurship	4	
E!	AHSE 4590	1	Entrepreneurship Capstone	4	
E:BE	ENGR 3699	1	Special Topics in Bioengineering: Tissue Engineering	4	
E:BE	ENGR 3699A	1	Special Topics in Bioengineering: Biological Thermodynamics for Engineers	4	
E:C	ENGR 2510	1	Software Design	4	
E:C	ENGR 3520	1	Foundations of Computer Science	4	
E:MS	ENGR 3820	1	Failure Analysis and Prevention	4	
ECE	ENGR 2410	1	Signals and Systems	4	
ECE	ENGR 2420	1	Introduction to Microelectronic Circuits	4	
ECE	ENGR 3427	1	Mixed Analog-Digital VLSI II	4	
ECE	ENGR 3499	1	Special Topics in Electrical and Computer Engineering: Wireless Networks	4	
ECE	ENGR 3499	1	Special Topics in Electrical and Computer Engineering: Embedded Systems Design	4	
ECE	ENGR 3499A	1	Special Topics in Electrical and Computer Engineering: Digital Signal Processing	4	
ENGR	ENGR 2210	1	Principles of Engineering	4	
ENGR	ENGR 4190	12	Senior COnsulting Program for Engineering (SCOPE)	4	Seniors Only
ICB	ENGR 1120	3	Engineering of Spatially Distributed Systems	3	
ICB	ICB2 (MTH 1120 & SCI 1120)	3	Vector Calculus; Physics: Electromagnetism & Waves	2;3	
ME	ENGR 2320	1	Mechanics of Solids and Structures	4	
ME	ENGR 3350	1	Thermodynamics	4	
ME	ENGR 3370	1	Controls	4	
ME	ENGR 3380	1	Design for Manufacturing	4	
ME	ENGR 3390	1	Robotics	4	
MTH	MTH 2120	1	Linear Algebra	2	Session I
MTH	MTH 2130	1	Probability and Statistics	2	Session II
MTH	MTH 2140	1	Differential Equations	2	Session I
MTH	MTH 3120	1	Partial Differential Equations	4	

Spring 2009 Tentative List of Offerings

Area	Course #	# of Sections	Course Title	Credits	Note
SCI	SCI 1210	2	Principles of Modern Biology with Lab	4	
SCI	SCI 1310	1	Intro Chemistry with Lab	4	
SCI	SCI 1410	1	Materials Science and Solid State Chemistry with Lab	4	
SCI	SCI 1410A	1	Materials Science and Solid State Chemistry with Lab	4	Integrated with AHSE2110
SCI	SCI 2145	1	High Energy Astrophysics	2	
SCI	SCI 3120	1	Solid State Physics	4	