

Olin College Registration Booklet

Fall 2009

Classes begin Thursday, September 3, 2009

Volume 8, Number 1.2 Released August 27, 2009

**Olin College Registration Booklet
Fall 2009**

Table of Contents

Section	Page
Registration Timelines	1
Frequently Asked Questions and Instructions	2
Catalog Supplement	5
Other Registration Opportunities or Notes	8
 Appendix	 9-16
Fall 2009 Course Listing	pp 1-3
Fall 2009 Scheduling Grid	pp 4-5
List of Potential Spring 2010 Offerings	pp 6-8

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

Session	Add	Drop and Pass/No Credit	Withdraw
Full Semester (Sept 3 – Dec 11)	September 17, 2009	November 6, 2009	December 11, 2009
Session I (Sept 3-Oct 21)	September 10, 2009	October 6, 2009	October 21, 2009
Session II (Oct 22 – Dec 11)	October 28, 2009	November 30, 2009	December 11, 2009

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?

- IS/Research: 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 completing an Independent Study or Research Application. All applications must be turned into the StAR Center by September 17, 2009 to be considered registered. Any sis.olin.edu registration without an application will be dropped from the student record.
- The Olin Self Study (OSS) is currently under review and may change for the 2009-10 academic year. Please wait for information from the Academic Recommendation Board (ARB) before solidifying your plans.



OSS -
Under
Review

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.

CROSS-REGISTRATION PROCESS:

In order to submit a cross-registration request, use the cross-registration portlet under the MyStAR tab or Students tab at <http://my.olin.edu>. 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 7 – 19, 2009, July 9-26, 2009 and August 12 - September 10, 2009

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

Brandeis University Cross Registration dates:

August 17 — September 10, 2009

All courses require instructor permission in writing (email) or they can give you a permission code to submit with your request. 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 11 – date to be determined

100 level courses - Students interested in these courses can register during their add period in September using 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 21-24, 2008 during the evening hours. Information regarding the groups will be sent **via email** no later than April 15, 2009. 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 September 3, 2009 and end on September 17, 2009. 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 September 3, 2009 and ends November 6, 2009. 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.

(*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 17, 2009. 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 2009 registration).

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

2. Make sure your “Set Options” are selected for **FALL 2009**. 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 2009 Supplement to Current Course Catalog

Degree requirements are outlined in the 2008-09 Course Catalog. You may view the on-line catalog at [2008-09 Course Catalog](#)

Course descriptions can also be found in the [2008-09 Course Catalog](#). Courses for Fall 2009 that have been approved after the catalog printing or for Special Topics descriptions please reference the listed.

AHS FOUNDATION COURSES

AHSE 1100

History of Technology: A Cultural and Contextual Approach

Instructor(s): Martello
Credits: 4 AHS

See Catalog for description

AHSE 1122

The Wired Ensemble: Instruments, Voices, Players

Instructor: Dabby
Credits: 4 AHS
Prerequisites: Ability to read music

See Catalog for description

AHSE 1199 Arts, Humanities and Social Science Foundation Topic

Section 01 / 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.

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!

Section 02 / Subtitle: Identity from the Mind and the Brain (Who Am I and How Do I Know)

Instructor(s): Adler
Credits: 4 AHS

Perhaps the most fundamental question any developing individual asks himself/herself is: Who am I? The ways we answer this question have evolved over the course of history as the dominant ways of knowing (epistemologies) have shifted. Indeed, the question of how we come to know ourselves has captivated Western scholars since the days of Descartes, but a look at the last fifty to sixty years has also seen enormous changes. Many people invoke psychological and philosophical perspectives in describing their identity, focusing on their personality, their developmental history, and their place in society. But the explosion of neurobiological research has introduced a new and viable outlook: explaining identity at the chemical and electrical level of the brain. There is good reason to think that these different perspectives on identity are mutually exclusive, and this tension will underlie everything we discuss in this interdisciplinary course. Indeed, when it comes to a topic as fundamental to human existence as identity, it is absolutely essential to wonder not only "Who am I?" but to also ask "How do I know?" In this course, we will approach the question of identity from multiple perspectives, including psychology, postmodern philosophy, and neuroscience. In the process, we will critically examine not only the conception of identity that each perspective supports, but also the assumptions and limitations of each epistemology.

Section 03 / Subtitle: The Human Connection: Understanding Aging, Health, and Globalization in Today's World

Instructor(s): Lynch

Credits: 4 AHS

Dev Patnaik opens *Wired for Care* with the story of a designer who disguised herself as an elderly person to better understand the experiences of the elderly in our society. Patnaik explains his interest in this experiment. It comes down to empathy: "All of this is to reclaim a very old idea, that quantitative data and facts are no substitute for real-world experience and human connection." Anthropologists have long-argued for the importance of putting oneself in other people's shoes for better understanding. The anthropologist Bronislaw Malinowski wrote in 1922 that the goal of the anthropologist "is to grasp the native's point of view, his relation to life, to realize his vision of his world." In this course, students will try out the anthropological methods of participation, observation, interviews, and analysis of cultural materials and texts. This is a hands-on course for students who want to get out and meet people--all with the aim of greater understanding. The course focuses on three thematic topics important to our society in the twenty-first century: aging, health, and globalization. Course books include Pietra Rivoli's *The Travels of a T-Shirt in the Global Economy*, Sarah Lamb's *Aging and the Indian Diaspora*, and Tracy Kidder's *Mountains Beyond Mountains* (about Dr. Paul Farmer and his work). The class includes assignments, events, and interactions that will take students off campus (perhaps to the Needham Senior Center, local coffee shops, and to Boston's ethnic neighborhoods) and will include visitors from area institutions.

Section 04 / Subtitle: Art Since 1945: Movements, Themes, Contexts

Instructor(s): Bottinelli

Credits: 4 AHS

What is art? What issues do artists address today? How do artists work? What is the reception of their pieces? How can we look at contemporary art and how can we write about it? This AHS Foundation course explores "Art Since 1945" by combining chronological and thematic approaches. The course offers an overview of different movements and ideas developed in the period of interest, analyzing them in relationship to the political and social context. Classes cover specific topics, such as: Art and Technology; Art and Kitsch (incorporation of found objects into the artwork); the Body of the Artist; Art, Space and Perception; Contemporary Art in the Public Sphere; Art and Identity (gender, race, and class issues); Art and the Other (art and globalization).

AHSE 3599: Special Topics in Business and Entrepreneurship

Intellectual Property for Engineers and Scientists

Instructor: D. Kerns, S. Gold

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 2009-10: Deadline for applying for approval for fall '09 "course capstones" is Thursday, April 16. 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 '09 registration info.

- Diana Dabby: Students wishing to do music capstone projects in the '09-'10 year should contact Diana Dabby and plan to enroll in spring '10.
- Rob Martello: Students wishing to do history projects with Rob as a mentor should enroll in the project for fall '09.
- Helen Donis-Keller: Students wishing to do art projects with Helen as a mentor should preferably enroll in the project for fall '09.
- Caitrin Lynch: Students wishing to do projects with Caitrin as a mentor should enroll in the project for fall '09.
- Jon Adler: Students wishing to do psychology projects with Jon as a mentor should enroll in the project for spring '10.
- Lynn Stein: Students wishing to do projects with Lynn as a mentor should preferably enroll in the project for fall '09.

ENGR 3299 – Special Topics in Design Engineering

Product Design and Development

Instructor(s): Sabin

Credits: 4 ENGR

Prerequisites: ENGR 2250

PD&D 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.

This course will be an opportunity to work closely with students from different fields of study. It will be a chance to work on a cross-functional team similar to product development teams you may work on in industry.

Class will be held at all three schools. Transportation to class will be provided, but additional meetings with team members will require travel to RISD – approximately 1 hr from Olin.

ENGR 3499

Special Topics in Electrical and Computer Engineering: *Nonlinear Circuit Analysis*

Instructor(s): Mur-Miranda

Credits: 4 ENGR

Hours:

Prerequisites: ENGR 2420 (Introduction to Microelectronic Circuits) or permission from the instructor. Note: In case of doubt, students are highly encouraged to talk to the instructor before deciding.

Nonlinear circuits are commonly used in the design of electrical systems. Examples include sinusoidal generators, relaxation oscillators, power supplies, DC-DC converters, and signal transducers. Students will characterize the behavior of several of these circuits using state- space tools together with linear circuit theory. The results will be used to design physical implementations. Emphasis will be placed on the validation of theory using empirical data.

ENGR 3499A

Special Topics in Electrical and Computer Engineering: *Microelectromechanical Systems - MEMS*

Instructor(s): Kerns, D.

Credits: 4 ENGR

Hours: 4-0-8

Prerequisites: ENGR 1120

This course is an introduction to microelectromechanical systems (MEMS) and includes an overview of the design, analysis and fabrication of various MEMS devices and process approaches. A wide range of tools will be used from electrical engineering, mechanical engineering and materials science. The use of MEMS in a wide range of applications will be considered including: optical MEMS, BioMEMS, MEMS for power and energy harvesting, microfluidic MEMS, MEMS sensors such as motion detection, chemical detection, acoustics, actuators such as micromotors, and "lab on a chip" MEMS. Basic semiconductor processing will be reviewed, and the special processing utilized to produce bulk silicon MEMS and surface micromachined devices. Other fabrication processes such as the LIGA process, PDMS and others will also be reviewed.

ENGR 3399

Special Topics in Mechanical Engineering: *Mechanical and Aerospace Systems I*

Instructor(s): Lee, Prechtl

Credits: 4 ENGR

Hours: 4-0-8

Prerequisites: ENGR3330 or permission of instructors

In this project-based course, student teams working in an environment like that of a small engineering research and development company will develop a mechanical or aerospace system to address a current market need. Projects will be selected from a range of proposed topics. The course will focus on clearly scoping the design endeavor and performing a comprehensive system specification and analysis of performance. An emphasis is placed on quantitative analysis. Combined thermal/fluid and structural analyses will be performed using commercial software. The final deliverable is a complete specification of the system design, including performance metrics, an estimate of system performance, and instructions for manufacture.

CATALOG CHANGE

SCI 1130

Mechanics

Instructor(s): Christianson, Zastavker

Credits: 4 SCI

Hours: varies

Prerequisites:

This course provides a thorough introduction to classical mechanics. Topics include kinematics, the basis of Newton's laws, particle dynamics, the concepts of momentum, work, energy, and rotational motion, and oscillations. Additionally, the course will establish the basics of solid and fluid mechanics, concluding with introductory topics in thermodynamics. On a fundamental level the goal for the courses is to share with students the excitement of discovering the material universe and to equip students with the basic knowledge and analytical skills necessary to become a scientist or and engineer.

This course is offered in two different flavors. Course sections with a prefix of A are taught as Theoretical Mechanics. Course sections with a prefix of L are taught as Experimental Mechanics and are laboratory based.

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.

New Year for First Year Students

OIE 1000 The Olin Introductory Experience Seminar

This course aims to introduce and develop skills that facilitate a successful transition into Olin. This course will cultivate critical and creative thinking skills, self reflection, teamwork, leadership, and intrapersonal relationships with peers, faculty, and staff. This course is required and comprises 1 credit hour of work (non-degree, meaning it does not count toward your 120 total for your Bachelor of Science degree).

Fall 2009 Course Offerings

Area	Course #	Sec #	Course Title	Instructors	Credits	Time	Location	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 3130	01	Advanced Digital Photography	Donis-Keller	4	T 7-9pm	AC313	12	Incl Studio Meetings will also be required on Mon and/or Thurs -- TBD and self scheduled
AHS	AHSE 3190	01	Arts, Humanities, Social Sciences Capstone Preparatory Workshop	Epstein	4	n/a			
AHS	AHSE 4190	01	Arts, Humanities, Social Sciences Capstone	Lynch	4	T 3-5:50p	AC213	30	
AHS / SCI	AHSE 2110	01	The Stuff of History: Materials and Culture in Ancient, Revolutionary and Contemporary Times	Martello	4	TF 1-2:50p	AC218 + AC413	21	Concurrent requisite of SCI 1410A, sec A1
AHS / SCI	SCI 1410A	A1	Materials Science and Solid State Chemistry with Lab: Historical Context	Stolk	4	T 3-5:50p; W 1-3:50p	AC218 + AC413	21	Concurrent requisite AHSE 2110
DSN	ENGR 3210	01	Sustainable Design	Linder	4	MR 10-11:50a	AC318	24	
DSN	ENGR 3220	01	Human Factors Interface Design	Stein	4	MR 3-4:50p	AC109	24	Waitlist Available
DSN	ENGR 3299	01	Special Topics in Design Engineering: <i>Product Design & Development</i>	Sabin	4	R 12:40-6:00p	AC213	20	Taught with Rhode Island School of Design and Babson College
E!	AHSE 1500	01	Foundations of Business and Entrepreneurship	Schiffman; Gold	4	TF 1-2:50p	AC213	40	
E!	AHSE 3510	01	New Technology Ventures	Schiffman	4	TR 4-5:35p	AC113	20	Cross-listed course with Babson
E!	AHSE 4590	01	Entrepreneurship Capstone	Schiffman	4	F 10-11:50a	CC209	10	
E!	AHSE 3599	01	Special Topics in Business and Entrepreneurship: <i>Intellectual Property</i>	Kerns, D.; Gold	2	T 10-11:50a	AC326	20	
E:BE	ENGR 3600	01	Topics in Bioengineering	Vepari	4	MR 10-11:50a	AC326	25	
E:BE	ENGR 3610	01	Biomedical Materials	Chachra	4	MR 3-4:50p	AC413; AC417	20	
E:C	ENGR 2510	01	Software Design	Sheldon	4	MR 12-12:50p; W 9-10:50a	AC318	25	
E:C	ENGR 3525	01	Software Systems	Sheldon	4	TF 10-11:50a	AC113	20	
E:MS	ENGR 3820	01	Failure Analysis and Prevention	Stolk	4	TF 10-11:50a	AC413	21	
E:SYS	ENGR 3710	01	Systems	Pratt, G.	4	TF 10-11:50a	AC109	25	
ECE	ENGR 3410	01	Computer Architecture	Chang	4	MR 2-2:50p; T 1-2:50p	AC304	25	
ECE	ENGR 3420	01	Introduction to Analog and Digital Communications	Govindasamy	4	MR 1-1:50p; F 1-2:50p	AC304	25	
ECE	ENGR 3426	01	Mixed Analog-Digital VLSI I	Chang; Minch	4	TF 10-11:50a	AC304	25	
ECE	ENGR 3450	01	Semiconductor Devices	Kerns, S.	4	MR 1-2:50p	AC318	25	
ECE	ENGR 3499	01	Special Topics in Electrical and Computer Engineering: <i>Nonlinear Circuit Analysis</i>	Mur-Miranda	4	MR 3-4:50p	AC304	25	
ECE	ENGR 3499A	01	Special Topics in Electrical and Computer Engineering: <i>Microelectromechanical Systems</i>	Kerns, D.	4	MR 10-11:50a	AC304	25	

Fall 2009 Course Offerings

Area	Course #	Sec #	Course Title	Instructors	Credits	Time	Location	Enroll Limits	Note
ENGR	ENGR 2210	01	Principles of Engineering	Minch	4	MR 10-11:50a	AC306	28	Waitlist Available
ENGR	ENGR 2210	02	Principles of Engineering	Govindasamy	4	MR 3-4:50p	AC306	28	Waitlist Available
ENGR	ENGR 4190	01	Senior Capstone Program in Engineering (SCOPE)	SCOPE Faculty	4	W 8-10:50a; W 1-5:50p			
ENGR	ENGR 4190a	01	Senior Capstone Program in Engineering (SCOPE) - For NonOlin Students		2;4	W 8-10:50a; W 1-5:50p		n/a	Available for non-Olin Students
ME	ENGR 2340	01	Dynamics	Lee	4	MR 1-2:50p	AC328	40	
ME	ENGR 3310	01	Transport Phenomena	Storey	4	MR 10-11:50a	AC213	30	
ME	ENGR 3330	01	Mechanical Design	Prechtl	4	TF 10-11:50a	AC309	25	
ME	ENGR 3355	01	Renewable Energy	Townsend	4	MR 8-9:50a	AC213	25	
ME	ENGR 3390	01	Robotics	Barrett	4	MR 3-4:50p	AC309	25	
ME	ENGR 3399	01	Special Topics in Mechanical Engineering: <i>Mechanical and Aerospace Systems I</i>	Lee; Prechtl	4	TF 1-2:50p	AC328	12	
MTH	MTH 2120	01	Linear Algebra	Gospodinov	2	MR 8-9:50a	AC328	40	Session I
MTH	MTH 2130	01	Probability and Statistics	Gospodinov	2	MR 8-9:50a	AC328	30	Session II
MTH	MTH 2130	01	Probability and Statistics	Adams	2	MR 8-9:50a	AC326	30	Session II
MTH	MTH 2140	01	Differential Equations	Gospodinov	2	TF 9-9:50a	AC328	40	Full Semester
MTH	MTH 3150	01	Numerical Methods and Scientific Computing	Geddes	4	MR 3-3:50p; W 3-4:50p	AC318	25	
MTH	MTH 2110	01	Discrete Math	Adams	4	MR 10-11:50a	AC328	40	
MTH	MTH 3130	01	Mathematical Analysis	Gospodinov	2	TF 1-1:50p	AC113	20	Full Semester; Course time and format may change based on enrollment
OIE	AHSE 1100	01	History of Technology	Martello	4	TF 10-11:50a	AC213	15	AHS Foundation
OIE	AHSE 1122	01	The Wired Ensemble - Instruments, Voices, Players	Dabby	4	T 3-4:50p; F 10-11:50a	AC326; AC305	15	AHS Foundation
OIE	AHSE 1199	01	Arts, Humanities. Social Science Foundation Topic: <i>Live to Write / Creative Writing Workshop</i>	Shea	4	TF 10-11:50a	AC218	15	AHS Foundation
OIE	AHSE 1199	02	Arts, Humanities. Social Science Foundation Topic: <i>Identity from the Mind and the Brain (Who Am I and How Do I Know)</i>	Adler	4	TF 10-11:50a	AC318	16	AHS Foundation
OIE	AHSE 1199	03	Arts, Humanities. Social Science Foundation Topic: <i>The Human Connection - Understanding Aging, Health, and Globalization in Today's World</i>	Lynch	4	TF 10-11:50a	AC417	15	AHS Foundation
OIE	AHSE 1199	04	Arts, Humanities. Social Science Foundation Topic: <i>Art Since 1945: Movements, Themes, Contexts</i>	Bottinelli	4	TF 10-11:50a	AC328	15	AHS Foundation
OIE	ENGR 1110	01	Introduction to Modeling and Control: Engineering of Compartment Systems	Pratt, G; Storey; Spjut	3	T 9-9:50a; T 1-2:50p	T MH120; AC126	28	

Fall 2009 Course Offerings

Area	Course #	Sec #	Course Title	Instructors	Credits	Time	Location	Enroll Limits	Note
OIE	ENGR 1110	02	Introduction to Modeling and Control: Engineering of Compartment Systems	Pratt, G; Storey; Spjut	3	T 9-9:50a; W 1-2:50p	T MH120; AC126	28	
OIE	ENGR 1110	03	Introduction to Modeling and Control: Engineering of Compartment Systems	Pratt, G; Storey; Spjut	3	T 9-9:50a; R 1-2:50p	T MH120; AC126	28	
OIE	ENGR 1200	01	Design Nature	Linder, Eris, Spjut	4	MWR 4-5:50p	AC204; MH120	28	
OIE	ENGR 1200	02	Design Nature	Linder, Eris, Spjut	4	MWR 4-5:50p	AC206; MH120	28	
OIE	ENGR 1200	03	Design Nature	Linder, Eris, Spjut	4	MWR 4-5:50p	AC209; MH120	28	
OIE	MTH 1111 and SCI 1111	01	Modeling and Simulation of the Physical World	Somerville; Mur-Miranda; Geddes	4	MF 1-2:50p; R 10-11:50a	AC204 and MH120	28	
OIE	MTH 1111 and SCI 1111	02	Modeling and Simulation of the Physical World	Somerville; Mur-Miranda; Geddes	4	MF 1-2:50p; R 10-11:50a	AC206 and MH120	28	
OIE	MTH 1111 and SCI 1111	03	Modeling and Simulation of the Physical World	Somerville; Mur-Miranda; Geddes	4	MF 1-2:50p; R 10-11:50a	AC209 and MH120	28	
OSSISURB	ENGR, SCI, MTH 0097; AHSE 0197; AHSE 0597; ISR 0097		Undergraduate Research Activity		varied				
OSSISURB	ENGR, SCI, MTH 0098; AHSE 0198; AHSE 0598; ISR 0098		Independent Study Activity		varied				
OSSISURB	ENGR, SCI, MTH, AHSE 4198; AHSE 4598; ISR 4198		Olin Self Study		4				
SCI	SCI 1130	A1	Mechanics: <i>A Theoretical Approach</i>	Zastavker	4	TF 8-9:50a	AC417	28	
SCI	SCI 1130	L1	Mechanics: <i>An Experimental Approach with Lab</i>	Christianson	4	MR 1-2:50p; W 9-10:50a	AC326	18	
SCI	SCI 1210	01	Principles of Modern Biology with Lab	Pratt, J.	4	TF 1-2:50p; T 3-5:50p	AC417; AC406	22	
SCI	SCI 1210	02	Principles of Modern Biology with Lab	Donis-Keller	4	MR 1-2:50p; W 1-3:50a	AC417; AC406	22	
SCI	SCI 1410	C1	Materials Science and Solid State Chemistry with Lab: <i>Biomaterials, Polymers and Mechanical Properties</i>	Chachra	4	MR 9-11:50a	AC417; AC413	20	
SCI	SCI 2130	01	Modern Physics	Holt	4	TF 10-11:50a	MH273	15	
SCI	SCI 2210	01	Immunology	Pratt, J.	4	MR 1-2:50p	AC218	12	
SCI	SCI 2320	01	Organic Chemistry w/ Lab	Morse	4	TF 1-2:50p	AC326	30	Choose Lab A or B
SCI	SCI 2320 L	A	LAB: Organic Chemistry	Morse	0	T 9-11:50a	AC409	15	
SCI	SCI 2320 L	B	LAB: Organic Chemistry	Morse	0	W 1-3:50p	AC409	15	
	AWAY1000	01	Study Away Program		12				Registration Required for those in APPROVED Study Away Programs
Non-Degree	MEC 1000	01	Fundamentals of Machine Shop Operations	Anderson	4 non-degree	TBD	AC104	6 w/ Waitlist	Students with Interest Please Register; Time block will be 1, 4 hour block - TBD.

Thurs										Fri											
MTH 2120 Linear Algebra Sess I 328	MTH 2130-01 and 02 Prob Stats Sess II 326 and 328	ENGR 3355 Renewable Energy 213																			8:00
						SCI 1410 C1 MatSci & Solid State Chemistry 417 413															8:50
																					9:00
																					9:50
MTH 2110 Discrete Math 328	ENGR 3600 Topics BioEngineering 326	ENGR 3310 Transport Phenomena 213	ENGR 3210 Sustainable Design 318	ENGR 2210 sec 01 Prin of Engineering 306		ENGR 3499A Spec Topics in ECE: Microelectromechanical Systems 304	OIE Modeling and Simulation of Physical World MTH 1111 / SCI 1111 all sections 204, 206, 209 MH120														10:00
																					10:50
																					11:00
																					11:50
																					12:00
																					12:50
ENGR 2510 Software Design 318																					1:00
																					1:50
SCI 1210 sec 02 Prin Modern Bio 417	SCI 2210 Immunology 218	SCI 1130- LI Mechanics: Experimental 326	ENGR 3420 Intro Anal & Dig Comm 304 ENGR 3410 Computer Architecture 304	ENGR 3450 Semiconductor Devices 318	ENGR 2340 Dynamics 328	OIE Mod Cont: Engr Comp Systems ENGR 1110 sec 03 126															2:00
																					2:50
																					3:00
																					3:50
																					4:00
																					4:50
																					5:00
																					5:50
																					6:00
																					6:50
AHSE 0112 Olin Conductorless Orchestra 6:45-9:00pm																					

Tentative Spring 2010.1 Course Offerings

You may use this listing to help in planning your next academic year at Olin. However, please be advised that this listing is tentative.

Semester	Area	Course #	Course Title	Instructors	Credits	Note
SPRING	AHS	AHSE 0112	The Olin Conductorless Orchestra	Dabby	1	Audition Required; See Description
SPRING	AHS	AHSE 2131	Responsive Drawing and Visual Thinking	Donis-Keller	4	
SPRING	AHS	AHSE 2199A	Special Topics in Arts, Humanities, Social Sciences: <i>Saving the World: Ideals, Routes, and Contexts for Effective Change</i>	Lynch	4	Topic May Change
SPRING	AHS	AHSE 3190	AHS Capstone Preparatory Workshop	Epstein	1	
SPRING	AHS	AHSE 4190	Arts, Humanities, Social Sciences Capstone	Dabby	4	
SPRING	AHS	AHSE elective	AHS Elective	Adler	4	
SPRING	AHS / SCI	AHSE 2110	The Stuff of History: Materials and Culture in Ancient, Revolutionary and Contemporary Times	Martello	4	Concurrent requisite of SCI 1410A, sec A1
SPRING	AHS / SCI	SCI 1410A	Materials Science and Solid State Chemistry with Lab: Historical Context	Stolk	4	Concurrent requisite AHSE 2110
SPRING	DSN	ENGR 2250	User Oriented Collaborative Design	Eris; Somerville; Townsend	4	
SPRING	DSN	ENGR 3240	Distributed Engineering Design	Eris	4	
SPRING	DSN		Design Depth Topic: TBD	TBD		
SPRING	E!	AHSE 1500	Foundations of Business and Entrepreneurship	Schiffman; Gold	4	
SPRING	E!	AHSE 4590	Entrepreneurship Capstone	Schiffman	4	
SPRING	E:BE	ENGR 3699A	Special Topics in Bioengineering: TBD	TBD	4	
SPRING	E:BE	ENGR 3699B	Special Topics in Bioengineering: TBD	TBD	4	
SPRING	E:C	ENGR 2510	Software Design	Downey	4	
SPRING	E:C	ENGR 3599	Special Topics in Computing: TBD	Stein	4	Topic May be Artificial Intelligence
SPRING	E:MS	ENGR 3810	Structural Biomaterials	Chachra	4	
SPRING	E:MS	ENGR 3899	Special Topics in Materials Science: Process Engineering in Materials Science OR Thin Films	Neal	4	Topic to be determined
SPRING	E:MS	ENGR 3899A	Special Topics in Materials Science: Polymers	Chachra	4	TENTATIVE
SPRING	ECE	ENGR 2410	Signals and Systems	Mur-Miranda	4	
SPRING	ECE	ENGR 2420	Introduction to Microelectronic Circuits	Minch	4	
SPRING	ECE	ENGR 3427	Mixed Analog-Digital VLSI II	Chang	4	
SPRING	ECE	ENGR 3427	Mixed Analog-Digital VLSI II	Minch	4	
SPRING	ECE	ENGR 3499	Special Topics in Electrical and Computer Engineering: Principles of Wireless Communications	Govindasamy	4	

Tentative Spring 2010.1 Course Offerings

You may use this listing to help in planning your next academic year at Olin. However, please be advised that this listing is tentative.

Semester	Area	Course #	Course Title	Instructors	Credits	Note
SPRING	ECE	ENGR 3499A	Special Topics in Electrical and Computer Engineering: <i>Embedded Systems</i>	Chang; Boxer	4	
SPRING	ECE	ENGR 3499B	Special Topics in Electrical and Computer Engineering: Digital Signal Processing	Dabby	4	
SPRING	ENGR	ENGR 1120	Introduction to Modeling and Control: Engineering of Spatially Distributed Systems	Storey; Pratt, G.	3	
SPRING	ENGR	ENGR 2210	Principles of Engineering	Minch	4	
SPRING	ENGR	ENGR 4190	Senior Consulting Program for Engineering (SCOPE)	SCOPE Faculty	4	
SPRING	ME	ENGR 2320	Mechanics of Solids and Structures	Lee	4	
SPRING	ME	ENGR 2350	Thermodynamics	Townsend	4	
SPRING	ME	ENGR 3370	Controls	Lundberg	4	
SPRING	ME	ENGR 3380	Design for Manufacturing	Sabin	4	
SPRING	ME	ENGR 3399	Special Topics in Mechanical Engineering: <i>Mechanical and Aerospace Systems II</i>	Lee; Prechtl	4	
SPRING	ME	ENGR 23XX	Introduction to Mechanical Prototyping	Barrett	4	
SPRING	MTH	MTH 1120	Vector Calculus	Gospodinov	2	Full Semester
SPRING	MTH	MTH 2120	Linear Algebra	Geddes	2	Special Combined Offering with MTH 2140
SPRING	MTH	MTH 2120	Linear Algebra	Gospodinov	2	Full Semester
SPRING	MTH	MTH 2130	Probability and Statistics	TBD	2	
SPRING	MTH	MTH 2140	Differential Equations	Geddes	2	Special Combined Offering with MTH 2120
SPRING	MTH	MTH 3160	Complex Variables	Tilley	4	
SPRING	OSSISURB	ENGR, SCI, MTH 0097, AHSE 0197; AHSE 0597	Undergraduate Research Activity		varied	
SPRING	OSSISURB	ENGR, SCI, MTH 0098, AHSE 0198; AHSE 0598	Independent Study Activity		varied	
SPRING	OSSISURB	ENGR, SCI, MTH, AHSE 4198; AHSE 4598	Olin Self Study		2;4	
SPRING	SCI	chemistry	Advanced Chemistry Course	TBD	4	
SPRING	SCI	SCI 1121	Electricity and Magnetism	Somerville	4	A Modeling and Simulation Approach
SPRING	SCI	SCI 1130	<i>Mechanics: An Experimental Approach</i>	Christianson	4	
SPRING	SCI	SCI 1130	<i>Mechanics: A Theoretical Approach</i>	Zastavker	4	
SPRING	SCI	SCI 1210	Principles of Modern Biology with Lab	Donis-Keller & Pratt, J.	4	

Tentative Spring 2010.1 Course Offerings

You may use this listing to help in planning your next academic year at Olin. However, please be advised that this listing is tentative.

Semester	Area	Course #	Course Title	Instructors	Credits	Note
SPRING	SCI	SCI 1310	Intro Chemistry with Lab	TBD	4	
SPRING	SCI	SCI 1410	Materials Science and Solid State Chemistry with Lab: <i>Thermal and Mechanical Properties</i>	Stolk	4	
SPRING	SCI	SCI 2140	Relativity	Holt	2	Session I
SPRING	SCI	SCI 2199	Special Topics in Physics: Intro Microscopy	Christianson	2	TENTATIVE
SPRING	SCI	SCI 3199	Special Topics in Physics: Biomechanics	Zastavker	4	ENGR or SCIENCE .. TBD