Olin College Registration Booklet

Spring 2013

Classes begin Tuesday, January 22, 2013

Volume 11, Number 2.1 revised 16January2013

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Important Advice Regarding YOUR Course Selections for Spring 2013

First Year Students: Two courses you must enroll in are Real World Measurements AND Linearity.   In addition to these two, it is STRONGLY suggested you complete your foundation physics requirement. Other topics available to you are Modern Biology, Materials Science, Chemistry, The Entrepreneurial Initiative, Software Design … to name a few.

All Students: Reminder that you must complete your Biology requirement and your Materials Science / Chemistry requirement by the end of your junior year.

Got AHS Questions?: To answer any and all AHS questions, please come to the dining hall Wednesday (Oct 31), 1-2, where you can find Caitrin Lynch, Rob Martello, and Jon Adler at a table ready to help! Info about AHS requirements is at http://projects.olin.edu/ahs/ .

Registration Deadlines
for Add ; Drop and Pass/No Credit ; Withdraw
Notice of change in dates to Session I end; Session II start and relevant deadlines from previous publication

Session	Add	Drop and Pass/No Credit	Withdraw
Full Semester (Jan 22 – May 2)	February 5, 2013	April 3, 2013	May 2, 2013
Session I (Jan 22 – Mar 11)	January 29, 2013	February 25, 2013	March 11, 2013
Session II (Mar 12 – May 2)	March 26, 2013	April 19, 2013	May 2, 2013

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. An example is a passionate pursuit. Non-degree activities are not graded and appear on your transcript if you have met all of your objectives for the activity. Remember these do not count in your minimum requirement of 12 degree credits.

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?
- Olin's Self Study – Please see information on the [StAR Center website](#) for details. You will need to complete a form with your OSS intention by the last day to add a course for the spring 2013 semester.
- Independent Study and Research - Students interested in doing research and/or independent study must complete a Cover Sheet for Independent Study and Research. This form can be found on the forms tab of the StAR Center website. <u>All forms must be received by the add deadline for the spring 2013 semester</u>. There are no exceptions.

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. The deadline is mid-semester.

What is EG grading?
The 'EG' grade represents an "Experimental Grade" designation, implemented in a small number of courses during a curricular experiment that began in 2009. <u>Each student may undertake no more than one "EG" course per semester.</u> An 'EG' grade in a student's transcript indicates that a student completed the course's learning objectives and received instructor feedback based upon criteria that do not have direct mapping onto the ABCDF grading system. Students who do not complete the learning objectives will receive a "no credit" designation on their transcript (similar to the "no credit" option for pass/no credit courses).

CROSS-REGISTRATION

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.

In order to submit a cross-registration request, use the cross-registration portlet under the MyStAR 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:**
> **November 5 – January 28, 2013**
> You can find their offerings at
> https://fusionmx.babson.edu/CourseListing/index.cfm?fuseaction=CourseListing.DisplayCourseListing&blnShowHeader=true&program=Undergraduate&semester=Spring+2013&sort_by=course_number&btnSubmit=Display+Courses

> **Brandeis University Cross Registration dates:**
> **January 10 – 28, 2013**
> Courses that are closed or specifically state you need permission must have a permission code. You can find Brandeis offerings at
> http://www.brandeis.edu/registrar/schedule/classes/2013/Spring/100/UGRD.

> **Wellesley College Cross Registration dates:**
> **November 26 – February 8**
> You can find their offerings at Wellesley Schedule .
> https://courses.wellesley.edu/

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 some first year courses 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 January. 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.

Textbooks
Pursuant to the Higher Education Opportunity Act (HEOA) of 2008, information regarding required and recommended textbooks and supplemental course material may be viewed from the Olin's internet course schedule via https://my.olin.edu .

How and When Do I Register?

Registration is done online using SIS.OLIN.EDU (we are not using the portal as it is still under maintenance for web registration)   https://sis.olin.edu

Here are some useful tips from Olin's Information Technology Department:

During course registration sessions, the IT Help Desk often receives reports about sis.olin.edu and my.olin.edu being slow or unresponsive. In almost all cases, this is due to an excessive and often unnecessary workload placed on the system. By following these guidelines, you can help minimize this load and increase system responsiveness:

I. Please use only one browser tab on one computer. In past sessions, some students were connecting from as many as four different computers or opening multiple sessions in multiple tabs. Each additional session consumes resources on the server and only serves to slow the system down.

II. Please be patient and do not refresh the page. This causes the background system processing for the same task to be executed multiple times, adding additional load to the system.

III. Please remember that everyone else in your group is trying to register at the same time. As much as we would like the system to be as responsive as it is during non-registration periods, this simply cannot happen when over 60 students are attempting to register for classes at the exact same moment. It takes time for the system to process all incoming requests and reconcile them with each other.

IV. Please avoid using the system during other groups' registration times. Again, this adds additional work to an already busy system.

V. With the exception of one session, we have seen the fewest slowdowns and smallest workloads on the registration system this semester that we have seen in several years thanks to many students following these guidelines.

VI. We do realize the importance of registration to every student on campus. If you encounter errors from either sis.olin.edu or my.olin.edu during the registration process, please take a screenshot of the error you receive and send it, along with a detailed description of what you were doing when it occurred, to helpdesk@olin.edu so that we can resolve the issue as quickly as possible.

REGISTRATION TIMES:

On-line registration will take place November 5-9th during the evening hours. Information regarding the groups will be available via your registration login by Thursday, November 1st. In general, seniors will go Monday night, juniors Tuesday night, sophomores Wednesday night and first year students on Thursday night.

(Registration will be open to cleared and eligible students only. A cleared student is one who 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 January 22, 2013 and end on February 5, 2013. 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 January 22, 2013 and ends April 3, 2013 (for ½ session deadlines see chart). 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 February 5, 2013. 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.)

Waitlists are available on some 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.

Spring 2013 Supplement to Current Course Catalog

Degree requirements are outlined in the 2012-13 Course Catalog.

Course descriptions can also be found in the 2012–13 Course Catalog. Courses for Spring 2013 that were approved after the catalog printing AND Special Topics descriptions are listed here.

AHSE 2199A: Robots , Mutants, and Monsters: Envisioning Science in Cinema
Instructor: Vitols
Credits: 2 AHS
Throughout the history of cinema, filmmakers have experienced both fascination with and fear of technology. Contemporary scientific advancements have inspired countless cinematic representations that express cultural excitement, ethical concern, and social anxiety regarding such innovations as artificial intelligence and nuclear engineering .By placing such films as *Metropolis* (1927), *2001: A Space Odyssey* (1968), and *The Matrix* (1999) in their historical and cultural contexts, this course will consider multiple approaches to the representation of science on screen.

AHSE2199B: Virtualities: An Introduction to Video Gaming History and Theory
Instructor: Vitols
Credits: 2 AHS
Though a relatively new technology and art form, video gaming has become an integral part of daily life in many societies. Deeply connected to the birth of the computer and the internet, video games today shape and are shaped by our society. How have video games evolved over the past few decades? How do massive multi-player role playing games affect how people conceptualize community? Why do certain games develop an intense cult following, while others sink into obscurity? This course will offer a broad introduction to the history of video game technology, from its inception to the present day. It will also examine major theoretical concerns involved in video gaming, such as the constructions of gender, identity, and community.

AHSE3100: Issues in Leadership and Ethics
Instructors: Miller, Schlesinger
Credits: 2 AHS
Prerequisite: students must be in their final semester of their undergraduate program
This course, taught by President Schlesinger of Babson College and President Miller of Olin College, will explore ethics and morality and the role that they play in business, engineering and across various industries. What role should ethics play in various professions and where is the intersection between leadership and ethics? Students will explore these questions as they relate to current events and issues. This is a seminar-type course and enrollment will be limited to 8 students each from Babson, Olin, and Wellesley Colleges.

ENGR1199: Special Topics in Engineering
Energy Systems in Urban Design
Instructor: Mechtenberg
Credits: 4 ENGR
Students analyze three business as usual (BAU) energy engineered cities: Boston (US), Kampala (Uganda), and Ranchi (India). Estimation and normalization of energy systems' stocks and flows will develop skills in evaluating LEED Neighborhood Development energy-based criteria which is being adopted by entire cities around the country (and soon world). Final project will be to design (developer-based) a ~320 acre area that incorporates an energy scenario approach (e.g. percent levels of renewable energy implementation). GIS mapping with Python/MatLab simulations will be used for scenario projections. Prototyping small-scale models of the engineering-focused urban design will be built with working solar panels, wind turbines, etc. This is a broad energy course which looks at the historical and future trajectories of energy systems in the built environment.

ENGR3299: Special Topics in Design

Design of Energy Systems
Instructor: Mechtenberg
Credits: 4 ENGR
Prerequisite: UOCD
MAY Be used as a Design Depth
Students engage in energy system design within an optimization design theory. Using Ragone plot analysis, energy and power Pareto curves are developed within social, economic, and environmental constraints. Designing laboratories and assignments frame the inquiry-based pedagogy via building small-scale electricity-generating prototypes that include the following: vertical and horizontal wind turbines; hydroelectric turbines; solar panel powered homes, cars, and boats; battery, capacitor and hydrogen fuel cell cars. These are combined into a designed and microcontrollable sustainable city (with Arduino). Together simulation assignments (using Homer Energy/Python) and laboratory experiments (using Vernier/LabView) solidify students' ability to design and control energy systems. Design projects follow two pathways: (pathway 1) medium scale system with low complexity and constrained in developing country context [2-3 devices at 100-500 Watts/device] or (pathway 2) small scale system with high complexity constrained in developed country context [10-30 devices at 1-5 Watts/device].

ENGR3499: EE Prototyping

Instructor: Lundberg
Credits: 4 ENGR
Prerequisite: Principles of Engineering
Through a series of projects, we will learn to design, build, and debug electronic prototype systems. We will cover multiple aspects of the prototyping process, including circuit and system design, soldering, deadbugging, troubleshooting, component selection, schematic capture, printed-circuit board (PCB) layout, PCB fabrication, PCB assembly, and thermal analysis. We will discuss the tradeoffs among "faster, better, cheaper", and explore examples in the realms of analog, digital, RF, and power. In addition to hands-on reverse engineering and fabrication experience, students will learn technical communication through design documentation. Note: It is likely that this class will also count as the ECE advanced elective. This will be confirmed prior to registration.

ENGR 3599: Special Topics in Computing

Software Engineering in Java
Instructor: Downey
Credits: 4 ENGR
Prerequisites: ENGR 2510, Software Design
This course covers the Java programming language; software design patterns; software engineering principles and tools, including revision control systems, interactive development environments, unit testing, automated testing, documentation tools and profilers. Students will work in small teams on a large distributed application; for example, a code search engine.

ENGR 3599A: Special Topics in Computing

Artificial Intelligence
Instructor: Stein
Credits: 4 ENGR
Prerequisites: Substantial programming experience, e.g. ENGR 2510. Consult instructor for further details.
A hands-on introduction to some of the major ideas behind artificial intelligence — search, planning, knowledge representation, learning — and their applications.

MTH2130–01: Probability and Statistics
Computational Bayesian Statistics
Instructor: Downey
Credits: 2 MTH
Prerequisite: ENGR2510 Software Design
Catalog description click HERE
Section description:
Bayesian statistics provide a powerful toolkit for modeling random processes and making predictions. The ideas behind these tools are simple, but expressing them mathematically can make them hard to learn and apply. This class takes a computational approach, which allows students with programming experience to use that knowledge as leverage. Students will work through a series of exercises in the new book, *Think Bayes*, and work on case studies for possible inclusion in the published edition of the book. This class satisfies the probability and statistics requirement. Experimental grading.

MTH2188: Special Topics in Mathematics
Linearity 1
Instructors: Byrne/Geddes/Hoffman
Credits: 4 MTH
Note: This course is required for first year students, and is open to first year students only, except by permission of instructor. **Designated alternative for required mathematics**
It will include treatment of discrete-time dynamical systems in the context of age-structured population models as well as continuous-time dynamical systems in the context of mechanical, electrical and chemical oscillators. Students must have background equivalent to ModSim2012 and ModCon2012 to take this course. This course is a designated alternative to Linear Algebra and Differential Equations. Linearity 1 will be an active learning experience, and students should anticipate significant pre-class preparation in order to participate actively during class meetings.

MTH2199: An Introduction to Random Graphs
Instructor: Patel
Credits: 2 MTH
The study of random graphs, initiated by Erdos and Renyi in the early 1960s, has burgeoned in recent years with the rise of real-world networks like the Web, and the investigation of networked biological systems such as those governing gene regulation. A common feature of these real-world networks is the extremely large number of nodes that they possess. Random graphs are graphs that arise from probabilistic processes, and they are well suited to modeling large networks and describing their overall statistical properties, for instance connectivity and degree distribution.
In this course we will introduce the theory of random graphs, and examine some of its applications. The course will have no prerequisites except some experience with mathematical reasoning, but it may be of special interest to students who have completed a class in Discrete Mathematics or Probability & Statistics. Please do not hesitate to contact the instructor if you have questions about the course.

SCI 1199: Special Topics in Physics
Waves
Instructor: Mahajan
Credits: 4 SCI
Note: This is a physics foundation course.
This course provides an introduction to vibrations and waves. Waves are fundamental to our understanding of the physical world, whether in quantum mechanics, acoustics, electromagnetism, or general relativity. The context in this course is sound and the physics of music. The contextual examples include: wind instruments, pianos and harpsichords, room acoustics, chords, consonance and dissonance, and human hearing. The topics thereby illustrated include: normal modes of vibration, superposition, coupled oscillations, energy and momentum transport, radiation, waves in two and three dimensions, and Fourier decomposition.

SCI 1310: Introduction to Chemistry (Green and Environmental Focus) with Lab
Instructor: Morse
Credits: 4 SCI
Note: This course fulfills the Material Science and Chemistry course requirement. This course will introduce the core topics of chemistry, such as aqueous chemistry, kinetics, and equilibrium, but with a focus on how they relate to issues in environmental and green chemistry. Through directed and self-directed laboratory experiments, as well as classroom time, students will gain an appreciation of chemistry in the world around them and how it relates to modern issues of sustainability and environmental impact.

SCI 1399: Special Topics in Chemistry
Intro Chemistry Supplement for Pre-Med Students
Instructor: Morse
Credits: 2 SCI
This course includes material that pre-med students will need in addition to the material covered in SCI1310, and should be taken concurrently with SCI1310.

SCI2099: Special Topics in Science
The Art of Approximation
Instructor: Mahajan
Credits: 4 SCI
For historical reasons, our courses are organized by disciplinary area, be it mechanics, calculus, differential equations, or molecular biology. However, there are modes of reasoning that span many areas of science or engineering. Nine such crosscutting modes of reasoning are the focus of the proposed course. The nine modes group themselves into three approaches to the complexity of the world: (1) organizing the complexity (for example, with divide-and-conquer reasoning); (2) discarding apparent complexity (for example, with symmetry or dimensional analysis); and (3) discarding actual complexity (for example, by approximating with spring models or lumping).

SCI2099A: Special Topics in Science
Light Microscopy for Scientists and Engineers
Instructor: Christianson
Credits: 2 SCI
Direct sample imaging with light microscopy is perhaps one of the single most important experimental techniques of materials science and biology. Many Olin students see a small part of this during their biology or materials science classes, but this course will introduce students to the full potential of microscopy. This class will be a practical, lab-based introduction to the optics of microscopy, light interactions with matter, and microscopy techniques including bright field, dark field, reflection, DIC, phase contrast, fluorescence, confocal and video microscopy. Lab activities will include qualitative discussions of phenomena and materials at small length scales, with ample student opportunity to do your own microscopic investigations.

SCI2399: Special Topics in Chemistry
Group Theory in Chemistry and its Applications
Instructor: Morse
Credits: 4 SCI
This course will be taught with a special focus on the necessary aspects of group theory and its chemical applications. The course will assume no prior knowledge of group theory and will build up all the required mathematical tools within. Group theory will then 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.

This class is designed for high level chemistry students that are looking for a good understanding of how Group Theory is used, or for math students who want to see applied math, or for budding chemistry students who are just interested in how math controls some of the most interesting aspects of chemistry.

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
AHS	AHSE 0112	01	The Olin Conductorless Orchestra	Dabby	1	R 6:45-9:00p	AC304, AC305	30	
AHS	AHSE 2112	01	Six Books that Changed the World	Martello	2	MR 10:50-12:30p	AC417	25	SESSION I
AHS	AHSE 2114	01	Science Fiction and Historical Context	Martello	2	MR 10:50-12:30p	AC417	25	SESSION II
AHS	AHSE 2131	01	Responsive Drawing and Visual Thinking	Donis-Keller	4	TF 1:30-3:10P	AC313	15	
AHS	AHSE 2199A	01	Special Topics in AHS: Robots , Mutants, and Monsters: Envisioning Science in Cinema	Vitols	2	MR 10:50-12:30p	CC214	15	SESSION I
AHS	AHSE 2199B	01	Special Topics in AHS: Virtualities: An Introduction to Video Gaming History and Theory	Vitols	2	MR 10:50-12:30p	CC214	15	SESSION II
AHS	AHSE 3100	01	Issues in Leadership and Ethics	Miller; Schlesinger	2	R 6:00-8:15p	AC318	8 Olin Seats	Students must be in their final year.
AHS	AHSE 3190	01	Arts, Humanities, Social Sciences Capstone Preparatory Workshop	Epstein	1	n/a	n/a	20	required if you plan on an AHS Capstone Project
AHS	AHSE 4190	01	Arts, Humanities, Social Sciences Capstone	Epstein	4	M 9:10-10:40a	CC210	15	
AHS	AHSE 4190	02	Arts, Humanities, Social Sciences Capstone	Epstein	4	M 10:50-12:20p	CC210	15	
DSN	ENGR 2250	01	User Oriented Collaborative Design	Adler; Bloomer; Bator; Ben Ur; Somerville; Linder	4	MR 3:20-6:00pm	MH120, AC204	28	
DSN	ENGR 2250	02	User Oriented Collaborative Design	Adler; Bloomer; Bator; Ben Ur; Somerville; Linder	4	MR 3:20-6:00pm	MH120, AC206	28	
DSN	ENGR 2250	03	User Oriented Collaborative Design	Adler; Bloomer; Bator; Ben Ur; Somerville; Linder	4	MR 3:20-6:00pm	MH120, AC209	28	
DSN	ENGR 3260	01	Design for Manufacturing	Fitch	4	MR 3:20-5:00pm	AC309	28	Design Depth Option
DSN	ENGR 3290	01	Affordable Design and Entrepreneurship	Linder; Mechtenberg	4	T 3:30-6:30pm	AC213	10	Design Depth Option
DSN	ENGR 3299	01	Special Topics in Design: Design of Energy Systems	Mechtenberg	4	TF 10:50-12:30p	AC213	20	Design Depth Option

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
E!	AHSE 1500	01	The Entrepreneurial Initiative	Salas	4	MR 10:50-12:30p	AC318	30	
E!	AHSE 1500	02	The Entrepreneurial Initiative	Salas	4	MR 1:30-3:10p	AC318	30	
E!	AHSE 4590	01	Entrepreneurship Capstone	Salas	4	M 9-10:40a	AC128	15	
E:C	ENGR 2510	01	Software Design	Carruthers	4	MR 1:30-3:10p	AC326	20	
E:C	ENGR 2510	02	Software Design	Carruthers	4	MR 3:20-5:00pm	AC326	20	
E:C	ENGR 3599	01	Special Topics in Computing: Software Engineering in Java	Downey	4	MR 10:50-12:30p	AC326	32	
E:C	ENGR 3599A	01	Special Topics in Computing: Artificial Intelligence	Stein	4	2 of (T 10:50-12:30p; W 1-2:40p; F 10:50-12:30p)	MH120, AC128	40	SCHEDULING NOTE: This is the preferred section for enrollment. The 3 day pattern serves to guarantee availability within these day/stimes. The scheduling will be varied and will not meet for more than 2x/week.
E:C	ENGR 3599A	02	Special Topics in Computing: Artificial Intelligence	Stein	4	TF 10:50-12:30p	MH120, AC128	20	SCHEDULING NOTE: Enroll in this section ONLY if the Wednesday time in section 01 is not remotely possible for you.
E:MS	ENGR 3610	01	Biomedical Materials	Chachra	4	MR 9-10:40a	AC417, AC413, AC404, AC406	20	
ECE	ENGR 2410	01	Signals and Systems	MurMiranda	4	MR 1:30-3:10p	AC304	32	
ECE	ENGR 2420	01	Introduction to Microelectronic Circuits with LAB	Minch	4	TRF 9-10:40a	AC304	30	
ECE	ENGR 3420	01	Introduction to Analog and Digital Communications	Govindasamy	4	TF 1:30-3:10p	AC304	24	
ECE	ENGR3499	01	Special Topics: in Electrical and Computer Engineering: EE Prototyping	Lundberg	4	MR 3:20-6:00p	AC304	20	
ENGR	ENGR 1121	01	Real World Measurements	Storey; Manno	3	M 9-10:40a; M 10:50-12:30p	MH120 (M); AC428	24	
ENGR	ENGR 1121	02	Real World Measurements	Minch; Manno	3	M 9-10:40a; T 10:50-12:30p	MH120 (M); AC428	24	
ENGR	ENGR 1121	03	Real World Measurements	Storey; Christianson	3	M 9-10:40a; R 10:50-12:30p	MH120 (M); AC428	24	

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ENGR	ENGR 1121	04	Real World Measurements	Minch; Christianson	3	M 9-10:40a; F 10:50-12:30p	MH120 (M); AC428	24	
ENGR	ENGR 1199	01	Special Topics in Engineering: *Energy Systems in Urban Design*	Mechtenberg	4	W 12:30-3:15p	AC213	15	
ENGR	ENGR 1330	01	Fundamentals of Machine Shop Operations	Anderson	4	W 12:30-4:30p	AC104	6	
ENGR	ENGR 2210	01	Principles of Engineering	Millner	4	MR 1:30-3:10p	AC306	28	
ENGR	ENGR 4190	01-14	Senior Capstone Program in Engineering (SCOPE)	Barrett; Bennett; Christianson; Sarang-Sieminski; Downey; Govindasamy; Harris; Hoover; Lee; Millner; Minch; Storey; Townsend	4	W 9-10:40a; 12:30-6:00p	various	99	Enroll in same section as your Fall 2012 section
ENGR	ENGR 4290	01	Affordable Design and Entrepreneurship	Linder; Mechtenberg	4	T 3:30-6:30pm	AC213	12	Capstone Continuation or 2nd Semester Junior Start
ENGR	ENGR3392	01	Robotics 2	Bennett	4	TF 10:50-12:30p	AC309	25	
Integrated	AHSE 2110	A1	Stuff of History	Martello	4	MR 1:30-3:10p; W 12:30-6:00p	AC413	21	Students must also register for SCI1410A
	SCI 1410A	A1	Materials Science and Solid State Chemistry (with Lab)	Bernal-Ostos	4				Students must also register for AHSE2110
Integrated	AHSE 2141 & ENGR 2141	01	Engineering for Humanity	Lynch; Ben Ur	2 + 2	MR 12:30-3:00pm	AC109	12	Students must enroll in both AHSE2141 AND ENGR2141
ME	ENGR 2320	01	Mechanics of Solids and Structures	Lee	4	TF 9-10:40a; W 9:30-10:30a	AC328	45	
ME	ENGR 2330	01	Introduction to Mechanical Prototyping	Barrett	4	MR 9-10:40a	AC309	25	
ME	ENGR 2350	01	Thermodynamics	Townsend	4	TF 1:30-3:10p	AC318	30	
ME	ENGR 3370	01	Controls	Lundberg	4	MR 1:30-3:10p	AC328	25	
MTH	MTH 2130	01	Probability and Statistics: *Computational Bayesian Statistics*	Downey	2	MR 9-10:40a	AC318	20	SESSION I; EXPERIMENTAL GRADING
MTH	MTH 2130	02	Probability and Statistics	Patel	2	TF 1:30-3:10p	CC214	18	SESSION I

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
MTH	MTH 2188	01	Linearity 1	Byrne; Geddes; Hoffma	4	TWF 9:00-10:40a	MH 120, AC128	30	Required designated mathematics alternative
MTH	MTH 2188	02	Linearity 1	Byrne; Geddes; Hoffma	4	TWF 9:00-10:40a	MH120, AC318	30	Required designated mathematics alternative
MTH	MTH 2188	03	Linearity 1	Byrne; Geddes; Hoffma	4	TWF 9:00-10:40a	MH120, AC326	30	Required designated mathematics alternative
MTH	MTH 2199	01	Special Topics in Mathematics: *An Introduction to Random Graphs*	Patel	2	TF 1:30-3:10p	CC214	18	SESSION II
MTH	MTH 3120	01	Partial Differential Equations	Hoffman	4	TF 10:50-12:30p	AC318	40	
SCI	SCI 1130	01	Mechanics	Zastavker; Somerville	4	TF 1:30-3:10p; R 9-10:40a	MH120, AC326, AC328	48	Physics Foundation
SCI	SCI 1199	01	Foundation Topic in Physics: Waves	Mahajan	4	TF 1:30-3:10p	AC113	30	Physics Foundation
SCI	SCI 1210	01	Principles of Modern Biology (with Lab)	Huang	4	MR 1:30-3:10p; W lab 3:20-6:00p	AC417; AC404, AC406	24	
SCI	SCI 1210	02	Principles of Modern Biology (with Lab)	Pratt, J	4	TF 1:30-3:10p; T lab 3:20-6p	AC417; AC404, AC406	24	
SCI	SCI 1310	01	Introduction to Chemistry with Laboratory: *Green and Environmental Focus*	Morse	4	MR 1:30-3:10p	AC128	40	enroll in this section AND either LAB 'A' or LAB 'B'
SCI	SCI 1310 L	A	Introduction to Chemistry LAB	Morse	0	T 3:20-6:00p	AC409	20	
SCI	SCI 1310 L	B	Introduction to Chemistry LAB	Morse	0	R 3:20-6:00p	AC409	20	
SCI	SCI 1399	01	Special Topics in Science: Intro Chem Supplement for Pre-Med Students	Morse	2	scheduled independently		6	
SCI	SCI 1410	B1	Materials Science and Solid State Chemistry (with Lab)	Stolk	4	TR 3:20-6:00p	AC413	21	
SCI	SCI 2099	01	Special Topics in Science: The Art of Approximation	Mahajan	4	TF 10:50-12:30p	AC328	48	
SCI	SCI 2099A	01	Special Topics in Science: Light Microscopy for Scientists and Engineers	Christianson	2	M 10:50-12:30p; 1 additional hour TBD	AC406, AC328	15	FULL SEMESTER

Area	Course #	Sec #	Course Title	Instructor	Credits	Time	Location	Enroll Limits	Notes
SCI	SCI 2214	01	Microbial Diversity	Huang	4	W 12:30-3:10p	AC417, AC404	15	
SCI	SCI 2399	01	Special Topics in Chemistry: *Group Theory in Chemistry and its Applications*	Morse	4	MR 10:50-12:30p	AC128	21	
SCI	SCI 3130	01	Advanced Classical Mechanics	Zastavker	4	TF 10:50-12:30p	AC326	30	
SUST	SUST 3301	01	Sustainability Synthesis	Mechtenberg	4	M 3:30-6:30pm	AC213	12	
	OIP 1000	01	The Olin Internship Practicum	Phelps	1	n/a	n/a	n/a	SEE PGP for Enrollment information
	AWAY 1000	01	Olin AWAY Experience		12	n/a	n/a	n/a	Enroll in this course if you are studying away in the spring 2013 semester.

ENGR 2330 Mechanical Prototyping AC309

ENGR 3610 Biomedical Materials AC417 / AC413 AC404 AC406

MTH 2130- 01 Probability and Statistics Computational SESS I AC318

ENGR 1121 ALL Secs Real World Measurements MH 120

AHSE 4590 Entrepreneurship Capstone AC128

AHSE 4190 Sec 01 AHS Capstone 9:10- 10:40a CC210

ENGR 2420 Intro MicoElectronic Circuits (Tues Thurs & Fri) AC304

ENGR 2320 Mechanics Solids Structures AC328

MTH 2188 all sect Linearity MH120 AC 128, 318, 326

ENGR 2320 Mech Solids Structures 9:30-10:30 AC328

MTH 2188 all sect Linearity MH120 AC128, 318, 326

ENGR 4190 SCOPE

AHSE 1500 Sec 01 The Entreprenurial Initiative AC318

ENGR 3599 Spec Top in Computing: Software Engr AC326

SESS I: AHSE 2199A: Spec Topc AHS: Cinema SESS II: AHSE 2199B: Gaming CC214

SESS I: AHSE 2112 Six Books SESS II: AHSE 2114 Sci Fi AC417

ENGR 1121 sec 01 Real World Measurements AC428

SCI 2399 Group Theory AC128

SCI 2099A Spec Top in Science: Microscopy for Sci and Engr AC406 AC328

AHSE 4190 Sec 02 AHS Capstone 10:50- 12:20p CC210

ENGR 1121 sec 02 Real World Measurements AC428

ENGR 3392 Robotics 2 AC309

ENGR 3299 Special Topics in Design: Design of Energy Systems AC213

SCI 3130 Adv Classical Mechanics AC326

SCI 2099 Spec Topics in Science: Art of Approximation AC328

MTH 3120 Partial Differential Equations AC318

ENGR 3599A Sec 01 Artificial Intelligence (see spec schd note) MH120; AC128

ENGR 3599A Sec 01 Spec Topic in Computing: "AI" MH120; AC128

ENGR 2210 Principles of Engineering AC306

AHSE 2110 SCI 1410A Stuff of History AC413

AHSE 1500 Sec 02 The Entreprenurial Initiative AC318

ENGR 2510 sec 01 Software Design AC326

SCI 1210 sec 01 Prin of Modern Biology Huang AC417

SCI 1310 Chemistry AC128

ENGR 3370 Controls AC328

ENGR 2410 Signals and Systems AC304

AHSE & ENGR 2199A Engineering for Humanity MR 12:30- 3:00p AC109

ENGR 3420 Analog and Digital Communications AC304

AHSE 2131 Responsive Drawing / Visual Thinking AC313

SCI 1210 sec 02 Prin of Modern Biology Pratt AC417

SCI 1130 Mechanics TF 1:30- 3:10; R 9- 10:40a MH120 AC326 AC328

SCI 1199 Physics Foundation on Topic: Waves AC113

MTH 2199: Spec Top Math: Random Graphs SESS II CC214

MTH 2130- 02 Probability and Statistics SESS I CC214

ENGR 2350 Thermodynamics AC318

SCI 2214 Microbial Diversity Wed 12:30- 3:10p AC417 AC404

ENGR 3599A Sec 01 Artificial Intelligence (see spec schd note) W 1-2:40p AC128

ENGR 1199 Spec Top in Engr: Energy Systems in Urban Design W 12:30- 3:15 AC213

AHSE 2120 and SCI 1410A Stuff of History (Hist Tech and MAt Sci) AC413

ENGR 1330 Fnd Machine Shop Oper 12:30-4:30p

ENGR 4190

ENGR 2250 Sec 01, 02, 03 User-Oriented Collaborative Design AC 204, 206, 209 MH120

ENGR 3260 Design for Manufacturing AC309

ENGR 2510, sec 02 Software Design AC326

SUST 3301 3 College Sustainability Synthesis M 3:30- 6:30p Location: all 3 campuses when at Olin AC213

ENGR 3499 Spec Top in ECE: EE Prototyping AC304

SCI 1210 sec 02 Prin of Modern Biology LAB Pratt AC404 AC406

SCI1310L sec A Intro Chem LAB AC409

ENGR 3290 and 4290 Affordable Design & E! Tues 3:30- 6:30p AC213

SCI 1410 sec B1 Materials Science and Solid State Chemistry: Stolk AC413

SCI1210 Sec 01 Prin of Modern Biology LAB Huang AC404 AC406

AHSE	SCI	Math	Integrated Offering	Color Key-Offering Blocks

Thursday

Friday

9:00 AM

ENGR 2330 Mechanical Prototyping AC309

MTH 2130- 01 Probability and Statistics Computational SESS I AC318

ENGR 3610 Biomedical Materials AC417 AC413 AC404 AC406

SCI 1130 Mechanics TF 1:30-3:10; R 9-10:40a MH120 AC326 AC328

ENGR 2420 Intro MicoElectronic Circuits (Tues Thurs & Fri) AC304

ENGR 2420 Intro MicoElectronic Circuits (Tues Thurs & Fri) AC304

ENGR 2320 Mechanics Solids Structures AC328

MTH 2188 all sect Linearity AC128, 318, 326

10:40 AM

10:50 AM

AHSE 1500 Sec 01 The Entrepreneurial Initiative AC318

ENGR 3599 Spec Top in Computing: Software Engr AC326

SESS I: AHSE 2199A: Spec Topc AHS Cinema SESS II: AHSE 2199B: Gaming CC214

SESS I: AHSE 2112 Six Books SESS II: AHSE 2114 Sci Fi AC417

ENGR 1121 sec 03 Real World Measurements AC428

SCI 2399 Group Theory AC128

ENGR 1121 sec 04 Real World Measurements AC428

ENGR 3392 Robotics 2 AC309

ENGR 3299 Special Topics in Design: Design of Energy Systems AC213

SCI 3130 Adv Classical Mechanics AC326

SCI 2099 Spec Topics in Science: Art of Approximation AC328

MTH 3120 Partial Differential Equations AC318

ENGR 3599A Sec 01 Artificial Intelligence (see spec schd note) MH120; AC128

ENGR 3599A Sec 02 Spec Topic in Computing: "AI" MH120; AC128

12:30 PM

AHSE 2199A and ENGR 2199A Engineering for Humanity MR 12:30-3:00p AC109

1:30 PM

ENGR 2210 Principles of Engineering AC306

AHSE 2110 SCI 1410A Stuff of History AC413

AHSE 1500 Sec 02 The Entrepreneurial Initiative AC318

ENGR 2510 sec 01 Software Design AC326

SCI 1210 sec 01 Prin of Modern Biology Huang AC417

SCI 1310 Chemistry AC128

ENGR 3370 Controls AC328

ENGR 2410 Signals and Systems AC304

ENGR 3420 Analog and Digital Communications AC304

AHSE 2131 Responsive Drawing / Visual Thinking AC313

SCI 1210 sec 02 Prin of Modern Biology Pratt AC417

SCI 1130 Mechanics TF 1:30-3:10; R 9-10:40a MH120 AC326 AC328

SCI 1199 Physics Foundation Topic: Waves AC113

MTH 2199: Spec Top Math: Random Graphs SESS II CC214

MTH 2130- 02 Probability and Statistics SESS I CC214

ENGR 2350 Thermodynamics AC318

3:10 PM

3:20 PM

ENGR 2250 Sec 01, 02, 03 User-Oriented Collaborative Design AC 204, 206, 209 MH120

SCI 1410 sec B1 Materials Science and Solid State Chemistry: Stolk AC413

ENGR 3260 Design for Manufacturing AC309

ENGR 2510, sec 02 Software Design AC326

SCI1310L sec B Intro to Chemistry LAB AC409

ENGR 3499 Spec Top in ECE: EE Prototyping AC304

Community Service

5:00 PM

6:00 PM

AHSE 3100 Issues in Leadership and Ethics 6-8:15p @ Olin Campus AC318

AHSE 0112 Olin Conductorless Orchestra 6:45-9pm 305 + 304

9:00 PM