Olin College Registration Booklet

Spring 2005

Classes begin January 25, 2005

Volume 3, Number 2.1

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Spring 2005

First day of instruction: January 25, 2005
Last day of instruction: May 5, 2005

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The cute little furry creature on the cover is Oolong. Oolong can balance random objects on his head. This little guy has won the hearts of the Olin students. You can also find him in the top left corner of mrwiki pages.
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Frequently Asked Questions and Instructions

What do I register for?
Students are allowed to register for a maximum of 20 credits, with the exception of first semester freshmen who are allowed a maximum of 16 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 subject requirements (all students must have a minimum of 12 degree credits). Examples of degree activities are standard courses, cross-registered courses, transfer credits, 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, shop and research for non-degree credit. 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 end of the add/drop 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 once you have met and your learning plan is up-to-date. 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 Standing Committee on Study Away.

I am interested in doing Research and/or Independent Study next semester. How do I register?
Students interested in doing research and/or independent study can do so by applying to the Independent Study and Research Board (ISURB). Look for ISURB details in upcoming emails and on Blackboard.

Students register for the ISURB activity after they have been granted approval. All approved applications from ISURB must be filed with the StAR Center for registration no later than February 7, 2005.

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 section information.

> **Babson College:** You can find their offerings at http://newton.babson.edu/registrar/. You do not need a log-in to access the information.
>
> Choose "course listing" from the menu options on the left menu bar and then follow the prompts from that point. It is best to sort by course title and course number. If you find a course you are interested in, complete a cross-registration form (found at http://star.olin.edu) and send it to star.center@olin.edu . The StAR Center will work with Babson to facilitate the registration.
>
> **Brandeis University:** You can find Brandeis offerings at http://www.brandeis.edu/registrar/reg-sched/sch.html . NOTE: Brandeis begins January 13, 2005 and Olin residence halls do not open until January 23, 2005
>
> If you find a course you are interested in, complete a cross-registration form (found at http://star.olin.edu) and send it to star.center@olin.edu . The StAR Center will work with Brandeis to facilitate the registration.
>
> **Wellesley College:** You can find their offerings at http://www.wellesley.edu/Registrar/menu.html
>
> Students interested in pursuing a course at Wellesley should complete a registration form (found at http://star.olin.edu) and send it to star.center@olin.edu . The StAR Center will facilitate the registration for Olin students.

Requests for Cross Registration will be accepted up through January 14, 2005

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 addressed during the add/drop 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.

When Do I Register?

Information regarding the groups will be sent **via email** no later than November 5th .

Class of 2008: Evening of November 11th.

Class of 2007: Evening of November 10th

Class of 2006: Evening of November 9th

(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/Drop Period?

The add/drop period is the first 10 class days of the semester. Add/Drop will begin on January 25, 2005 and end on February 7, 2005. Add/Drop requests can be processed in person at the StAR Center from and on-line. Add/Drop forms can be found at http://star.olin.edu.

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 7, 2005. 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?

1. Log into the Web Registration system at https://sis.olin.edu .
2. Click the "For Students" Button on the bottom and enter the secure connection using your username and password.
3. Make sure your "Set Options" are selected for **SPRING 2005**. This can be done from the **MAIN** page at the bottom of the screen.
4. Select the **Registration** option from the directory structure on the left frame of the web page.
5. 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.
6. 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.)

7. 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.

Spring 2005 Supplement to Current Course Catalog

Degree requirements are outlined in the 2004-05 Course Catalog. You may view the on-line catalog at
http://www.olin.edu/academics/pdf/course_catalog_04_05.pdf

The **course descriptions** listed below are additions to the current catalog and are approved for the spring 2005 semester. For all other courses, consult the college catalog.

AHSE 2140
Anthropology: Culture, Knowledge and Creativity

Instructor(s): Lynch
Credits: 0-0-4-0
Hours: 4-0-8
Pre-requisites: Foundation level AHS course
Offered: Spring 05

Anthropological theories and methods help us understand human behavior and values. Broadly speaking, anthropologists ask, "Why do people do what they do and believe what they believe?" Today anthropologists study a wide range of contemporary social issues, such as international development, garment manufacturing, the production of scientific knowledge, female "circumcision," and intellectual property. In this course, we will read about, debate, and discuss these and other issues in order to probe into the meanings of culture, knowledge, and creativity.

* What do anthropologists mean by culture?
* What does it mean to take cultural difference seriously?
* Does culture have an influence on what is considered legitimate "knowledge"?
* If knowledge is "situated," what happens when one form of knowledge comes in contact with another (for instance in discussions of global human rights)?
* What is the relationship between cultural difference, situated knowledge, and human creativity?
* Does globalization threaten to destroy creativity, stifle innovation, and erase difference?

After we learn how anthropologists deal with these questions at a range of research sites, we will end the course with our own anthropological studies that utilize what we have learned earlier in the course. Students will conduct short research projects that examine social issues pertaining to the use of the Internet in the United States. By ending with a study of ourselves, students will see how creative we really are; that we, too, have culture; and that what we consider legitimate knowledge is culturally situated.

The professor will assume no prior knowledge of anthropology. Skills to be developed include critical reading, critical thinking, writing and analysis, presenting arguments in oral and visual form, and working on projects in small groups.

The following texts will be used, among others: Jean Davison, Voices from Mutira: Change in the Lives of Gikuyu Women Daniel Miller and Don Slater, The Internet: An Ethnographic Approach Jeremy MacClancy, Exotic No More: Anthropology on the Front Lines

AHSE 2199
Special Topics in Arts Humanities and Social Science
Subtitle: Six Books that Changed the World

Instructor(s): Martello
Credits: 0-0-2-0
Hours: 4-0-8 in half semester offering
Pre/Co-requisites: AHS Foundation

Why and how do certain books reshape the course of human history? In this course we will explore six books, selected from different times, societies, and genres, that have had an unquestionably major impact upon the world in which we live in. Class meetings will alternate between contextual studies of the historical context of each book (including the author's background, the political and social setting, and other factors) and careful analyses of the works themselves. Our discussions will investigate each book's contemporary and modern impact while also exploring the qualities that caused all of our selections to have such an enduring and global effect. Students will be expected to contribute to class discussions, make presentations, and write a report on an additional book of their choosing. NOTE: this course will be offered during the first half of the spring 2005 semester, will meet twice a week, and will require approximately 12 hours of student effort each week.

AHSE 2199A
Special Topics in Arts Humanities and Social Science
Subtitle: Science Fiction and Historical Context

Instructor: Martello
Credits: 0-0-2-0
Hours: 4-0-8 in half semester offering
Pre/Co-requisites: AHS Foundation

Science fiction is a wonderful genre that somehow captures a society's ideals, fears, assumptions, and major challenges. In the same way that a historian attempts to piece together complex cause-effect chains to make sense of the past, science fiction writers project the values, technologies, and beliefs of their own societies into alternate or future realities. Our class will work together to understand the conventions of science fiction and explore science fiction works (books, short stories, film) produced in different times, across various cultures, and in different sub-genres of this field. Students will have the opportunity to analyze different works of science fiction through writings and class discussions, and can also choose to develop a science fiction idea of their own. NOTE: this course will be offered during the second half of the spring 2005 semester, will meet twice a week, and will require approximately 12 hours of student effort each week.

AHSE 3599
Special Topics in Business and Entrepreneurship
Subtitle: Emerging Industries: E-Learning - Business, Technology, Learning and Opportunity

Instructor(s): Bourne, Staff
Credits: (0-0-0-4)
Hours: (4-4-4)
Pre-requisite: AHSE 1500 or equivalent
Offered: Spring 05

This course will focus on different emerging industries from year to year. This year the focus is on the E-Learning industry, both for-profit and not-for-profit. Students will undertake 14 mini-challenges in e-learning, documenting their work in a shared writing environment and, at the completion of the course, publish this work. During each week of the course, the study synthesis will be published to a world-wide audience of about 1000 readers. As part of the course, each student (or team) will engage in a project to either do (1) a business plan for an e-learning company, (2) a not-for-profit company or (3) undertake a project that will assist Olin and/or Babson in moving forward in this sphere. The education industry is an 800 billion dollar industry of which E-learning currently is about 5B. E-learning will in the next decade become an integral part of this industry. The course seeks to prepare students to take advantage of opportunities in both business and technology in this emerging industry segment and to expose ideas and methods generated to an active global community on a week by week basis. The course will be punctuated by visits (physical and virtual) from leaders in this industry.

AHSE 4199
Special Topics in Arts, Humanities, Social Science
Subtitle: AHS Capstone Pilot Course Description

Instructor(s): Martello; Lynch
Credits: 0-0-4-0
Hours: 4-0-8
Pre/Co-requisite: permission of instructor

This four credit AHS course is available by petition to a small group of students who have already received approval for an AHS depth sequence and are ready to undertake an advanced AHS project. Students will design a research project at the start of the semester, will refine and complete it throughout the course, and will produce a substantial written deliverable and presentation by the end. The formal component of this course will follow a three-week cycle that alternates between a common seminar and workshop for all students, individual meetings between students and their project advisor, and an unrestricted week for individual work and consultations as needed. This format also allows the instructors to experiment with pedagogical and assessment techniques that will aid the 2005-06 AHS Capstone courses, and the students will participate in this process as well.

ENGR 3210
Sustainable Design

Instructor: Linder
Credits: 0-4-0-0
Hours: 4-0-6
Prerequisites: ENGR 2250: User Oriented Collaborative Design; Available for cross-registrants by permission of the instructor.
Offered: Spring, Fall

This course provides a comprehensive overview of sustainable product design. Emphasis is placed on learning and using green design principles, methods, tools and materials. Examples include life cycle assessment, biomimicry, efficient design and design for disassembly. A system perspective highlighting material and energy flows over the complete product life cycle is used to structure the course material. Case studies in product design, architecture and renewable energy are presented. Students will complete substantial reading, develop a personal statement on sustainability, investigate existing products and develop numerous small to medium scale product ideas.

ENGR 3220
Human Factors and Interface Design

Instructor(s): Stein
Credits: 0-4-0-0
Hours: 4-4-4
Prerequisites: ENGR 2250 User Oriented Collaborative Design (required); ENGR 2510 Software Design or other software development experience (recommended)
Fulfills Design Depth requirement

NB: In spring 2005, this course will focus on human-computer interface design. The course description below refers to this offering.

A hands-on exploration of the design and development of user interfaces, taking into account the realities of human perception and behavior, the needs of users, and the pragmatics of computational infrastructure and application. Focuses on understanding and applying the lessons of human interaction to the design of usable computer applications; will also look at lessons to be learned from less usable systems. This course will mix studio (open project working time) and seminar (readings and discussion) formats.

ENGR 3340
Dynamics

Instructor(s): Bingham
Credits: 0-2-0-0
Hours: 2-2-2
Prerequisites: ENGR 3320: Mechanics. of Solids and Structures
Offered: Spring 05; Session I

This course contains the analytical and conceptual tools for understanding how mechanical, electrical, and electromechanical systems undergo changes in state. To analyze such systems we will apply both momentum and variational principles to derive the equations of motion. Hands-on demonstrations will illustrate the concepts behind these fundamental tools, and students will work on real-world examples from robotics, vehicle systems, spacecraft, and intelligent-structures.

ENGR 3345
Dynamic Systems

Instructor(s): Bingham
Credits: 0-2-0-0
Hours: 2-2-2
Prerequisites: ENGR 3340: Dynamics
Offered: Spring 05; Session II

Building on the ability to derive the equations of motion for rigid bodies, system dynamics extends the analysis to lumped parameter and continuous systems. This course will deliver generic tools for characterizing linear and non-linear system behavior in the time and frequency domains. The hands-on component of the course will explore the fundamental concepts of system dynamics: system modes (eigenvalues and vectors), spectrum analysis, and time response.

ENGR 3355
Renewable Energy

Instructor(s): Townsend
Credits: 0-2-0-0
Hours: 2-2-2
Prerequisites: ENGR 3350: Thermodynamics
Offered: Spring 05; Session II

Modern society relies on stable, readily available energy supplies. Renewable energy is an increasingly important component of the new energy mix. The course covers energy conversion, utilization and storage for renewable technologies such as wind, solar, biomass, fuelcells and hybrid systems and for more conventional fossil fuel-based technologies. The First and Second Laws of Thermodynamics will form the basis of modeling of the renewable energy systems, as well as introductory transport phenomena. The course also discusses the environmental consequences of energy conversion and how renewable energy can reduce air pollution and global climate change.

ENGR 3380
Design for Manufacturing

Instructor(s): TBA
Credits: 0-4-0-0
Hours: 4-0-8
Prerequisites:
Offered: Spring 05

This course will provide a comprehensive overview of the product development process, product market segment analysis and product design for manufacturability. Course will stress the fundamental principles of design for manufacturing, the strategy for material selection, and the selection of optimal manufacturing processes. This course will present both; Techniques to optimize product component design for machining, casting, molding, sheet metal working and inspection; And design for assembly principles to streamline the general assembly process, with a focus on both product design for manual assembly and design for robotic and automatic assembly. Course will incorporate both student design projects and case design studies of existing commercially available products.

ENGR 3699
Special Topics in Bioengineering
Subtitle: Cell & Tissue Engineering

Instructor(s): DiMilla
Credits:0-4-0-0
Hours: 4-4-4
Prerequisites: an introductory course in biology; two semesters of calculus or permission of the instructor

This course will introduce students to fundamental processes for the qualitative and quantitative characterization and design of cells and tissues for biotechnology, therapeutic, and diagnostic applications. Learning will be structured to advance from an understanding of the molecular basis of cell function to the fabrication, regeneration, and manipulation of functional tissues. The first half of the course will concentrate on the dynamics of molecular and cellular processes across a hierarchy of scales, including intracellular, extracellular, and individual and cell population levels. Special focus will be devoted to relationships between chemical and physical environmental cues and receptor/ligand-mediated phenomena, such as gene regulation networks, signal transduction and metabolic pathways, cell-matrix interactions, and cell adhesion, migration, proliferation, and differentiation. The second half of the course will concentrate on in vitro and in vivo morphogenesis of tissues and tissue-equivalents based on manipulating receptor/ligand-mediated processes using principles for the rational selection and design of biomaterials, differentiated and stem cells, and bioreactors. Specific topics to be considered include strategies for the design, functional assessment, and preservation of tissues, scaffold-guided generation and organization of 3-D tissue constructs, mechanical regulation of tissue function, and the impact of mass-transfer limitations on cell encapsulation and immunoisolation. Special emphasis will be directed towards examining synergies between experimental tools, quantitative analysis, computational modeling, and design principles as well as reading and discussing the current research and product literature. Assessment will be based on problem sets, midterm exams, and a final project to be chosen by students and approved by the instructor.

ENGR 3820   Notation of Course Title Change
Experiences in Failure renamed **Failure Analysis and Prevention**

MTH 2199
Special Topics in Mathematics
Subtitle: Introduction to Mathematical Modeling

Instructor(s): Tilley
Credits: 2-0-0-0
Hours: 2-0-4
Prerequisite: MTH 1110 Calculus

This course centers on the interdependency of mathematics and on the sciences and engineering. Through this codependency, knowledge of the specific discipline is better understood through the development of a mathematical description and its solution. Often, these descriptions are appropriate over a wide range of disciplines well beyond the original context of the first problem. Over the seven-week session, we look at individual cases in biology, chemistry, physics, fields of engineering and business to see how to formulate a mathematical description, and the techniques used for its solution. The course follows a case-study format, with modeling subjects chosen from the media (for example, the Science Times section of the New York Times).

MTH 3140
(Updated catalog entry for this course, MTH 3140)
Error Control Codes

Instructor(s): Spence
Credits: 2-2-0-0 (change approved by ARB 9Nov04)
Hours: 4-0-8
Prerequisite: MTH 2120 Linear Algebra

Error-control codes are used to detect and correct errors that occur when data are transmitted across a noisy channel. The course provides an introduction to error-control codes including linear, cyclic, binary and non-binary codes. In particular, Reed-Solomon codes and iterative (turbo) decoding of concatenated codes will be addressed. Mathematics such as group, ring, and field theory, vector spaces, and introductory number theory will be introduced and used extensively.

MTH 3199
Special Topics in Mathematics
Subtitle: Nonlinear Dynamics and Chaos

Instructor(s): Geddes
Credits: 4-0-0-0
Hours: 4-0-8
Prerequisite: Applied Mathematical Methods

This course will focus on the modern theory of dynamical systems including both discrete and continuous processes. The course will emphasize both theory and applications. Theory topics might include, for example, linear and nonlinear stability theory, periodic solutions, bifurcation theory, chaos, and strange attractors. Applications discussed might include, for example, mechanical oscillators, electrical oscillators, chemical oscillators, and biological oscillators.

MTH 3199A:
Special Topics in Mathematics
Subtitle: Complex Variables

Instructor: Tilley
Credits: 2-0-0-0
Hours: 2-0-4
Pre/Co-requisite: MTH 1120 Vector Calculus or equivalent; (MTH 2140 Differential Equations recommended)

This course is an introduction to the analysis of functions in the complex plane. Topics include the Cauchy- Riemann equations, conformal mapping, Cauchy-Goursat theorem, Taylor-Laurent series, the residue theorem, continuation of analytic functions, and applications to fluid mechanics and electrostatics.

Other Registration Opportunities or Notes

MEC 1000
Fundamentals of Machine Shop Operations

REGISTRATION INFORMATION: You can register for this course via on-line registration. However, this registration is strictly a means to gather interested students. After registration, interested students will be contacted and selected based on availability and skill set. You must have room in your schedule to take this course. The four non-degree hours count toward your twenty (20) total.

Instructor(s): TBA
Credits: 4 Non Degree (will not meet degree requirements)
Hours: 9-0-3 (scheduling will be done after students are selected)
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.

Cross-Registration Opportunity on Olin's Campus Tuesday/Thursday 8:00-9:35a
Babson course:
EPS3501
Entrepreneurship and New Ventures. (Technology focus)

Course concentrates on starting and growing new businesses. While the course will deal with a variety of types of ventures, there will be a particular focus on technology based businesses. There are three primary course objectives:

1. To investigate the components, tools, and practices of entrepreneurship. We will concentrate on:
- identifying new venture opportunities,
- evaluating the viability of a new business concept,
- calibrating risk of successful technology development
- building prototypes
- protecting intellectual property
- writing a business plan, and developing an investor presentation,
- building a team that possesses the attributes necessary for success,
- obtaining appropriate financing,
- creating an entrepreneurial culture that increases the odds of success, and
- creating liquidity for shareholders.

2. To identify and exercise entrepreneurial skills through classroom debate and assignments.
3. To introduce students to a variety of entrepreneurs. Case studies are used as the primary tool for discussion, and are augmented with readings, guest speakers, videos, and software simulations.
Student teams will work as a group over the term to write a business plan for a new, technology related venture.

Course #	Sect.	Course Title	Instructors	Credits	Time	Location Tentative	Enroll Limits	Note
AWAY 1000	01	Study Away Program		12				Registration Required for those in APPROVED Programs
AHSE 1150	01	What is I?	Stein	4	MR 1-2:50p; R writing lab 3-3:50p	OC353	20	Foundation
AHSE 1500	01	Foundations of Business and Entrepreneurship	Bourne; Schiffman	4	TF 10-11:50a	AC109 & OC120	48	
AHSE 1500	02	Foundations of Business and Entrepreneurship	Bourne; Schiffman	4	TF 10-11:50a	AC113 & OC120	32	
AHSE 2120	01	Heroes for the Renaissance Engineer	Dabby	4	T 3-5:50p	AC305	20	
AHSE 2140	01	Anthropology: Culture, Knowledge & Creativity	Lynch	4	TF 2:50-4:00p	Hosted At Wellesley	10	begins Tues, Feb 1; ends Fri, May 6
AHSE 2199	01	Special Topics in Arts Humanities Social Sciences: Six Books that Changed the World	Martello	2	TF 10-11:50a	AC213	20	Session I
AHSE 2199A	02	Special Topics in Arts Humanities Social Sciences: Science Fiction and Historical Context	Martello	2	TF 10-11:50a	AC213	20	Session II
~~AHSE 3599~~	~~01~~	~~Special Topics in Business and Entrepreneurship: E-Learning - Business, Technology, Learning and Opportunity~~	~~Bourne~~	~~4~~	~~TF 8-9:50a~~	~~AC213~~	~~10~~	Cancelled
AHSE 4199	01	Special Topics in Arts Humanities Social Sciences: AHS Capstone Pilot	Martello; Lynch	4				Permission Required to Enroll
Babson X Reg Opportunity		EPS3501-01 Entrepreneurship and New Ventures	Schiffman; et al		TR 8:00-9:35a	AC113	10	Cross Register to Babson; see note on page 10
ENGR 2210	01	Principles of Engineering	Minch	4	TF 1-2:50p	AC306	25	
ENGR 2250	01	User Oriented Collaborative Design	Linder; Downey	4	TF 8-9:50a; W 4-5:50p	AC204; OC120 W	26	
ENGR 2250	02	User Oriented Collaborative Design	Somerville; Bingham	4	MR 10-11:50a; W 4-5:50p	AC206; OC120 W	26	
ENGR 2250	03	User Oriented Collaborative Design	Schiffman; Lynch	4	MR 10-11:50a; W 4-5:50p	AC209; OC120 W	26	
ENGR 2410	01	Signals and Systems	Dabby	4	TF 12-12:50p; R 3-4:50p	AC304	25	
~~ENGR 2510~~	~~01~~	~~Software Design~~	~~Stein~~	~~4~~	~~TF 10-11:50a; T 3-5:50p~~	~~AC318~~	~~25~~	Cancelled
ENGR 3210	01	Sustainable Design	Linder	4	MR 1-2:50p	AC318	25	
ENGR 3220	01	Human Factors and Interface Design	Stein	4	MR 4-5:50p	AC318	25	
ENGR 3320	01	Mechanics of Solids and Structures	Storey; Miller	4	MR 9-9:50a; W 8-9:50a	AC417	25	
ENGR 3320	02	Mechanics of Solids and Structures	Storey; Miller	4	MR 12-12:50p; W 8-9:50a	AC417	25	
ENGR 3330	01	Mechanical Design	Barrett	4	TF 10-11:50a; F 12-12:50p	AC309	20	
ENGR 3340	01	Dynamics	Bingham	2	M 1-1:50p; W 10-10:50; R 1-2:50p	AC309	25	Session I
ENGR 3345	01	Dynamic Systems	Bingham	2	M 1-1:50p; W 10-10:50; R 1-2:50p	AC309	25	Session II
ENGR 3350	01	Thermodynamics	Townsend	2	MR 10-10:50a; W 1-2:50p	AC113	25	Session I
ENGR 3355	01	Renewable Energy	Townsend	2	MR 10-10:50a; W 1-2:50p	AC113	25	Session II
ENGR 3380	01	Design for Manufacturing	Barrett	4	MR 4-5:50pm	AC309	25	
ENGR 3420	01	Introduction to Analog and Digital Communications	Minch; Pratt, G.	4	TF 11-11:50a; T 3-4:50p	AC304	25	
ENGR 3430	01	Digital VLSI	Chang	4	TF 10-10:50a; W 1-2:50p	AC304	25	
ENGR 3450	01	Semiconductor Devices	Somerville	4	MR 1-2:50p	AC304	25	
ENGR 3525	01	Software Systems	Downey	4	TF 1-2:50p	AC304	25	
ENGR 3530	01	Synchronization	Downey	2	MR 2-2:50p	AC326	25	full semester course
ENGR 3699	01	Special Topics in Bioengineering: Cell and Tissue Engineering	DiMilla	4	MR 10-11:50a	AC213	20	
ENGR3820	01	Failure Analysis and Prevention	Stolk	4	MR 10-11:50a	AC413	25	

Half Courses = 13 meetings;
Session I: MR Courses 27 Jan - 14 Mar; TF Courses 25 Jan - 8 Mar
Session II: MR Courses 17 Mar - 5 May; TF Courses 11 Mar - 2 May

Course #	Sect.	Course Title	Instructors	Credits	Time	Location Tentative	Enroll Limits	Note
ICB2 / ENGR 1120	01	Engineering of Spatially Distributed Systems	Storey; Pratt, G	3	M 11-11:50a; M 1-2:50p	OC120 M; AC126	25	
ICB2 / ENGR 1120	02	Engineering of Spatially Distributed Systems	Storey; Pratt, G	3	M 11-11:50a; T 1-2:50p	OC120 M; AC126	25	
ICB2 / ENGR 1120	03	Engineering of Spatially Distributed Systems	Storey; Pratt, G	3	M 11-11:50a; W 4-5:50p	OC120 M; AC126	25	
ICB2 / MTH 1120	01	Vector Calculus	Moody	2	T 8-8:50a; R 10-10:50a	AC109	36	
ICB2 / MTH 1120	02	Vector Calculus	Spence	2	WF 8-8:50a	AC109	36	
ICB2 / SCI 1120	01	Physics: Electromagnetism and Waves	Zastavker	3	T 9-9:50a; R 11-12:50p	AC109	36	
ICB2 / SCI 1120	02	Physics: Electromagnetism and Waves	Holt	3	W 9-10:50a; F 9-9:50a	AC109	36	
MEC 1000	01	Fundamentals of Machine Shop	TBA	4 non-degree				see Note on Page 10 re: registration for this activity
MTH 2150	01	Applied Math Methods (4 cr option for Class of 2007)	Geddes; Moody	4	MR 8-9:50a	AC109 / AC213	37	
MTH 2199	01	Special Topics In Mathematics: Intro to Mathematical Modeling	Tilley	2	TF 8-9:50a	AC213	25	Session I
MTH 3140	01	Error Control Codes	Spence	4	MR 1-2:50p	AC113	25	
~~MTH 3150~~	~~01~~	~~Numerical Methods and Scientific Computing~~	~~Tilley~~	~~4~~	~~TF 1-2:50p~~	~~AC318~~	~~25~~	Cancelled
MTH 3199	01	Special Topics in Mathematics: Nonlinear Dynamics and Chaos	Geddes	4	TF 1-2:50p	AC213	24	
MTH 3199A	01	Special Topics in Mathematics: Complex Variables	Tilley	2	TF 8-9:50a	AC213	25	Session II
SCI 1210	01	Principles of Modern Biology with Lab	Donis-Keller	4	TF 1-2:50p; lab T 3-5:50	AC417 / AC406	25	
SCI 1210	02	Principles of Modern Biology with Lab	Pratt, J	4	MR 1-2:50p; lab R 3-5:50	OC120 / AC406	25	
SCI 1210	03	Principles of Modern Biology with Lab	Hemseath	4	MR 1-2:50p; lab M 3-5:50	OC120 / AC406	25	
SCI 1410	01	Principles of Materials Science with Lab	Chachra	4	M 3-5:50p; W 8-10:50a	AC413	18	
SCI 1410	02	Principles of Materials Science with Lab	Stolk	4	T 3-5:50p; F 12-2:50p	AC413	18	
SCI 1410	03	Principles of Materials Science with Lab	Chachra	4	W 1-3:50; R 3-5:50p	AC413	18	
SCI 2110	01	Biological Physics	Zastavker	4	TF 1-2:50p	AC302	25	
~~SCI 2320~~	~~01~~	~~Organic Chemistry with Lab~~	~~Adjunct / Visitor~~	~~4~~	~~MR 8-9:50a; M 3-5:50p~~	~~AC213 / AC409~~	~~20~~	Cancelled
SCI 3120	01	Solid State Physics	Christianson	4	TF 8-9:50a	AC302	25	

Half Courses = 13 meetings;
Session I: MR Courses 27 Jan - 14 Mar; TF Courses 25 Jan - 8 Mar
Session II: MR Courses 17 Mar - 5 May; TF Courses 11 Mar - 2 May

Key: CORE E | CORE ME | CORE ECE | ICB or Genl Req | Math | AHSE | SCI | Academic Schedule

Mon

8:00–9:50
- Applied Math Methods MTH2150-01 Geddes, Moody; MR 8:00-9:50a
- Organic Chem SCI2320 TBA MR 8-9:50a; M lab 3-5:50p
- Mech of Solids and Structures ENGR3320-01 STOREY, MILLER; MR 9:00-9:50AM; W 8:00-9:50a

10:00–10:50
- Therno / Renew Energy ENGR3350/55 Townsend; MR 10-10:50a W 1-2:50p
- UOCD ENGR2250-02 MR 10-11:50a W 4-5:50p
- UOCD ENGR2250-03 MR 10-11:50a W 4-5:50p
- Special Topics in BioE: Cell and Tissue ENGR3699-01 DiMilla MR 10-11:50a
- Failure Analysis and Prevention ENGR3820 Stolk MR 10-11:50a

11:00–11:50
- ENGR1120-01, 02, 03 Engr Distrib Sys Pratt, G & Storey M 11-11:50a

12:00–12:50
- Mech of Solids and Structures ENGR3320-02 STOREY, MILLER; MR 12:00-12:50pm; W 8:00-9:50a

1:00–2:50
- Prin of Modern Biology Pratt, J; SCI1210-02; MR 1-2:50p; R 3-5:50p lab
- Prin of Modern Biology Hemseath; SCI1210-03; MR 1-2:50p; M 3-5:50p lab
- Error Control Codes MTH3140-01 Spence MR 1-2:50p
- ENGR1120-01 Engr Distributed Systems Pratt, G & Storey M 11-11:50a; M 1-2:50p
- Sustainable Design ENGR3210-01 Linder MR 1-2:50p
- Dynamics/Dynamic Systems ENGR3340/45 Bingham; M 1-1:50p; W 10-10:50; R 1-2:50p
- Synchronization ENGR3530 Downey MR 2-2:50p
- Semiconductor Devices ENGR3450 Somerville MR 1-2:50p
- What is I? AHSE1150-01 Stein MR 1-2:50p

3:00–4:50
- Prin of Mod Biology LAB SCI1210-03 Hemseath M 3-5:50p
- Materials Science and Solid State Chemistry SCI1410, sec 01 CHACHRA M 3-5:50p W 8-10:50a
- Organic Chem SCI2320 TBA MR 8-9:50a; M lab 3-5:50p
- Design for Manufacturing ENGR3380-01 Barrett MR 4-5:50p
- Human Factors Interface Design ENGR3220 Stein MR 4-5:50p

Tues

8:00–9:50
- Special Topics in Math: Intro to Math Modeling MTH2199 Tilley; TF 8:00-9:50a SESSION I
- Solid State Physics SCI3120-01 Christianson TF 8-9:50a
- ICB2-01 Moody; Zastavker T 8- 9:50a; R 10-12:50a
- UOCD ENGR2250-01 TF 8-9:50a W 4-5:50p
- Babson Cross-Reg Opportunity EPS3051 section 03 on OLIN's campus TR 8-9:35a
- Special Topics in Bus & E! AHSE3599-01 Bourne TF 8-9:50a
- Special Topics in Math: Complex Variables MTH3199A Tilley; TF 8:00-9:50a SESSION II

10:00–11:50
- Found. Of Bus. And E-ship AHSE1500-01 and 02 Bourne; Schiffman TF 10-11:50a
- Special Topics in AHS: Six Books AHSE2199-01 Martello TF 10:00-11:50a SESSION I
- Special Topics in AHS: Sci Fi AHSE2199A-02 Martello TF 10:00-11:50a SESSION II
- Software Design ENGR2510 Stein TF 10:00-11:50a T 3-5:50p
- Digital VLSI ENGR3430-01 Chang TF 10-10:50a W 1-2:50p
- Anal & Dig Comm ENGR3420-01 Minch & Pratt G TF 11-11:50a T 3-4:50p
- Mechanical Design ENGR3330 BARRETT TF 10:00-11:50a F 12-12:50p

12:00–12:50
- Sig Sys ENGR2410 Dabby TF 12-12:50p; R 3-4:50p

1:00–2:50
- Prin of Mod Biology SCI1210-01 Donis-Keller TF 1-2:50p; T 3-5:50P lab
- Biological Physics SCI2110-01 Zastavker TF 1-2:50p
- Prin of Engineering ENGR2210 Minch TF 1-2:50p
- ENGR1120-02 Engr Distributed Systems Pratt, G & Storey M 11-11:50a; T 1-2:50p
- Numerical Methods MTH3150 Tilley TF 1-2:50p
- Nonlinear Dynamics & Chaos MTH3199-01 Geddes TF 1-2:50p

3:00–4:50
- Prin of Mod Biology LAB SCI1210-01 Donis-Keller T 3-5:50p
- Materials Science and Solid State Chemistry SCI1410, sec 02 Stolk T 3-5:50p F 12-2:50p
- Software Design ENGR2510-01 Stein TF 10:00-11:50a T 3-5:50p
- Heroes for the Ren. Engr AHSE2120 Dabby T 3-5:50p
- Anal & Dig Comm ENGR3420-01 Minch & Pratt G TF 11-11:50a T 3-4:50p
- Anthropology: Culture, Knowledge, Creativity AHSE 2140 Lynch taught at Wellesley TF 2:50-400p

Wed

8:00–10:50
- ICB2-02 Holt; Spence W 8-10:50a F 8-10:50a
- Mechanics of Solids and Structures ENGR3320-01 and 02; STOREY, MILLER MR 9:00-9:50a W 8:00-9:50a
- Materials Science and Solid State Chemistry SCI1410, sec 01 CHACHRA M 3-5:50p W 8-10:50a
- Dynamics/Dynamic Systems ENGR3340/45 Bingham; M 1-1:50p; W 10-10:50; R 1-2:50p

11:00–12:50
- Open Meeting Time

1:00–2:50
- Software Systems ENGR3525-01 Downey TF 1-2:50p
- Digital VLSI ENGR3430-01 Chang TF 10-10:50a W 1-2:50p
- Therno / Renew Energy ENGR3350/55 Townsend; MR 10-10:50a W 1-2:50p
- Materials Science and Solid State Chemistry SCI1410, sec 03 Chachra W 1-3:50p R 3-5:50p

4:00–5:50
- UOCD ENGR2250 section 01, 02, 03 Pratt, G & Storey M 11-11:50a W 4-5:50p OC120
- ENGR1120-03 Engr Distributed Systems Pratt, G & Storey M 11-11:50a W 4-5:50p

1/20/2005

Thurs				Fri				

Thurs

Mech of Solids and Structures ENGR3320-01; STOREY, MILLER; MR 9:00-9:50AM; W 8:00-9:50a

Applied Math Methods MTH2150-01 Geddes, Moody; MR 8:00-9:50AM

Babson Cross-Reg Opportunity EPS3051 section 03 on OLIN's campus TR 8-9:35a

Organic Chem SCI2320 TBA MR 8-9:50a; M lab 3-5:50p

Fri

Special Topics in Bus & E! AHSE3599-01 Bourne TF 8-9:50a

Special Topics in Math: Intro to Math Modeling MTH2199 Tilley; TF 8:00-9:50a SESSION I

Solid State Physics SCI3120-01 Christianson TF 8-9:50a

ICB2-02 Holt; Spence W 8-10:50a F 8-9:50a

UOCD ENGR2250-01 TF 8-9:50a W 4-5:50p

Special Topics in Math: Complex Variables MTH3199A Tilley; TF 8:00-9:50a SESSION II

ICB2-01 Moody; Zastavker T 8- 9:50a; R 10-12:50a

UOCD ENGR2250-02 MR 10-11:50a W 4-5:50p

UOCD ENGR2250-03 MR 10-11:50a W 4-5:50p

Therno / Renew Energy ENGR3350/55 Townsend; MR 10-10:50a ;W 1-2:50p

Special Topics in BioE: Cell and Tissue ENGR3699-01 DiMilla MR 10-11:50a

Failure Analysis and Prevention ENGR3820 Stolk MR 10-11:50a

Found. Of Bus. And E-ship AHSE1500-01 and 02 Bourne; Schiffman TF 10-11:50a

Special Topics in AHS: Six Books AHSE2199-01 Martello TF 10:00-11:50a SESSION I

Special Topics in AHS: Sci Fi AHSE2199A-02 Martello TF 10:00-11:50a SESSION II

Software Design ENGR2510 Stein TF 10:00-11:50a T 3-5:50p

Digital VLSI ENGR3430-01; Chang TF 10-10:50a W 1-2:50p

Anal & Dig Comm ENGR3420-01 Minch & Pratt G TF 11-11:50a T 3-4:50p

Mechanical Design ENGR3330 BARRETT TF 10:00-11:50a F 12-12:50p

Mech of Solids and Structures ENGR3320-02 STOREY, MILLER; MR 12:00-12:50pm; W 8:00-9:50a

Sig Sys ENGR2410 Dabby TF 12-12:50p; R 3-4:50p

Materials Science and Solid State Chemistry SCI1410, sec 02 Stolk T 3-5:50p F 12-2:50p

Mechanical Design ENGR3330; BARRETT TF 10:00-11:50a F 12-12:50p

Prin of Modern Biology Pratt, J; SCI1210-02; MR 1-2:50p; R 3-5:50p lab

Prin of Modern Biology Hemseath; SCI1210-03; MR 1-2:50p; M 3-5:50p lab

Error Control Codes MTH3140-01 Spence MR 1-2:50p

Synchron.ization ENGR3530 Downey MR 2-2:50p

Sustainable Design ENGR3210-01 Linder MR 1-2:50p

What is I? AHSE1150-01 Stein MR 1-2:50p

R Writing Lab 3-3:50p

Dynamics/Dynamic Systems ENGR3340/45 Bingham; M 1-1:50p; W 10-10:50; R 1-2:50p

Semiconductor Devices ENGR3450 Somerville MR 1-2:50p

Prin of Mod Biology SCI1210-01 Donis-Keller TF 1-2:50p; T 3-5:50p lab

Prin of Engineering ENGR2210 Minch TF 1-2:50p

Numerical Methods MTH3150 Tilley TF 1-2:50p

Nonlinear Dynamics & Chaos MTH3199-01 Geddes TF 1-2:50p

Biological Physics SCI2110-01 Zastavker TF 1-2:50p

Software Systems ENGR3525-01 Downey TF 1-2:50p

Prin of Mod Biology LAB SCI1210-02 PRATT, J R 3-5:50p

Materials Science and Solid State Chemistry SCI1410, sec 03 W 1-3:50p R 3-5:50p

Design for Manufacturing ENGR3380-01 Barrett MR 4-5:50p

Human Factors Interface Design ENGR3220 Stein MR 4-5:50p

Sig Sys ENGR2410 Dabby TF 12-12:50p; R 3-4:50p

Community Service

Anthropology: Culture, Knowledge, Creativity AHSE 2140 Lynch taught at Wellesley TF 2:50-400p