

# Olin College Registration Booklet

## Spring 2007

**Classes begin Tuesday, January 23, 2007**

**Volume 5, Number 2.2**

**Olin College Registration Booklet  
Spring 2007**

**Registration: Week of November 13, 2006  
Mini-Add Period: December 4-December 22, 2006  
Add Period: Ends February 5, 2007  
First day of instruction: January 23, 2007**

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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. All students have a minimum requirement of 12 degree credits to be eligible for the Olin tuition scholarship.

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

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

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

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

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

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

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

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

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

Students interested in doing research and/or independent study can do so by registering for the proper course number on sis.olin.edu AND by applying to the Olin Self Study and Independent Study and Research Board (OSSISURB). ALL OSSISURB applications must be turned into the StAR Center by February 5, 2007 to be considered registered. Any sis.olin.edu registration without an OSSISURB application will be dropped from the student record. Seniors must leave room in their schedules for 4 credits of OSS. Juniors can leave room in their schedules for 4 credits of OSS, subject to finding an OSS advisor.

### **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.

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.

#### **Babson College Cross Registration dates: now**

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](mailto:star.center@olin.edu). The StAR Center will work with Babson to facilitate the registration.

#### **Brandeis University Cross Registration dates: now**

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

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](mailto:star.center@olin.edu). The StAR Center will work with Brandeis to facilitate the registration.

#### **Wellesley College Cross Registration dates: now**

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

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](mailto:star.center@olin.edu). The StAR Center will facilitate the registration for Olin students.

### **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 the spring. 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 during the week of November 13, 2006 during the evening hours. Information regarding the groups will be sent **via email** no later than November 9, 2006.

(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?**

The Add period\* is the first 10 class days of the semester. The Add period will begin on January 23, 2007 and end on February 5, 2007. 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 23, 2007 and ends April 3, 2007. 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, 2007. 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> or <https://my.olin.edu> (note: if you use sis.olin.edu your username is your first initial followed by 7 characters of your last name and your password is your ‘old’ sis.olin.edu password and not your network log-in; if using my.olin.edu you use your network credentials to log-in).

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

2. Make sure your “Set Options” are selected for **SPRING 2007**. 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.

## Spring 2007 Supplement to Current Course Catalog

### SPECIAL NOTES ON OLIN OFFERINGS:

- Professors Martello and Stolk are offering an integrated experience with Materials Science and Stuff of History. You MUST enroll in both AHSE2110 and SCI1410, section 01.
- Professor Joanne Pratt is running two sections of SCI1210: Principles of Modern Biology with lab. This semester we are piloting a scheduling option that allows students to enroll in one of two lecture and one of two labs. The labs are not tied to the lecture so a student has a choose in what lab will best meet their scheduling needs. This is a pilot scheduling option that has some quirks. There is a maximum of 18 in each lab. Therefore, during registration, it is suggested that you register for the lab first and the lecture second. Lecture enrollments can fluctuate from the 18 cap.
- Professor Downey is running Software Design (ENGR 2510) with the option of attending one of two labs. Please be sure to register for the lecture and one of the two labs. Labs are designated with sections of A or B.
- Special Notes for First Year Students
  - Required courses to register for:  
ICB2: This is a 'dummy' course number that will enroll you both the MTH 1120 and SCI 1120 courses. You must choose section 01, 02 or 03 when you register. After registration, I will move the 'dummy' registrations into the proper courses of mathematics and physics. (Total 5 credits)  
  
ENGR1120: This is a required course. It is not tied to the math and physics like your fall courses were. You can register for section 01, 02 or 03. (Total 3 credits)
  - Other choices:  
Babson, Brandeis or Wellesley cross-registration: Reference the section of this booklet for specific information.  
  
SCI 1210: Principles of Modern Biology w/ Lab  
  
SCI 1310: Introduction to Chemistry w/ Lab  
  
AHSE 1500: Foundations of Business and Entrepreneurship  
  
AHSE 2120: Heroes for the Renaissance Engineer  
  
Independent Study and Research: Reference the section of this booklet for OSSISURB activities.  
  
ENGR xxxx: Any program specific offering that has no pre-requisites or a pre-requisite of ICB1.  
  
ENGR 2510: Software Design  
  
ENGR 3599: AI (see Professor Stein regarding requisite programming experience).

**DEGREE REQUIREMENTS** are outlined in the 2006-07 Course Catalog. You may view the on-line catalog at [2006-07 Course Catalog](#)

**COURSE DESCRIPTIONS** can also be found in the [2006-07 Course Catalog](#). Courses for Spring 2007 that have been approved after the catalog printing are listed below.

### **AHSE 2199**

#### **Special Topics in Arts, Humanities and Social Sciences**

##### **Subtitle: Cultural Collisions and Collusions in Prize-Winning Multicultural Literature**

Instructor(s): Argyros

Credits: 4 AHSE

Hours: 4-0-8

Multicultural literature, as a genre, developed in the USA as one response to the post-WWII interest in civil rights and to the clamoring of previously marginalized groups for inclusion into the canon of great literature. In the process of exploring our own semi-permeable canon of prize-winning multicultural works, we will address the following questions: What is it that differentiates a novel in which ethnicity or race is mentioned from a "multicultural text"? How is each text a function of the historical moment which produced it? Which aspects of multicultural literature make them empowering and which make them tedious? How do questions of race, gender, socioeconomics, sexual orientation, religious affiliation, and political orientation inform and complicate our understanding of these texts? And why is it that only Lahiri, McCourt, and Morrison wrote texts that were considered worthy enough to merit Pulitzer prizes? Students will have the opportunity to shape the direction of the class by selecting, analyzing, and presenting on some works of their choice in addition to the common course texts.

### **AHSE 2199A**

#### **Special Topics in Arts, Humanities and Social Sciences**

##### **Subtitle: The United States and the Muslim World: Issues of Democracy, Development and Terrorism**

Instructor(s): Abbas

Credits: 4 AHSE

Hours: 4-0-8

This topic, with its cross-disciplinary dimensions, will touch on political science and U.S. foreign policy. It will examine politics and culture of the Muslim world--its diversity, political problems and issues related to religious extremism and violence. The course will include exploration of the extent to which "development" may be an area where the U.S. could improve its relations with the Muslim world. The course will focus on a handful of major countries (including Iran, Iraq, Afghanistan, Pakistan, Uzbekistan, Saudi Arabia, Turkey and Malaysia) including the Muslim diaspora in the West. Discussions will also explore some of the major terrorist groups operating from the Islamic states and US led counter-terrorism approaches.

Please note that this course meets from 4:00 PM until 8:00 PM each Tuesday, but the class will adjourn to eat dinner between 5:30 and 6:30 PM.

### **AHSE 3199**

#### **Special Topics in Arts, Humanities and Social Science**

##### **Subtitle: AHS Capstone Preparatory Workshop**

Instructor(s): Dabby, Lynch, Martello, Stein

Credits: 1 AHS (Pass/No Credit)

Hours: 0-0-3

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

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

**AHSE 3599****Special Topics in Business and Entrepreneurship****Subtitle: Real Time Business Analysis**

Instructor(s): Bourne

Credits: 4 AHSE

Hours: 4-0-8

Want to learn about how to get funding from Angel and VC firms to help you when want to start your own business? No better way than studying real companies in real time to see what they do. Learn the methods, learn what Angel groups and VC groups really do – and practice their methods yourself so that you can know how to apply the methods to your own business startup. This experimental course is designed to study in real-time the business activities of a handful of new ventures. Students at multiple colleges [1] will participate in company due diligence and provide feedback to angel-backed and VC-funded firms and to the investors in these firms. You will get to meet people in these firms (field trips included). A major focus will be on due-diligence frameworks applied to these companies to understand the potential for each company. At the end of the class, students will have an understanding of (1) a range of company internals and the industry in which the company operates and (2) methods of appraising company future viability. Students at the multiple institutions will work together using electronic tools to produce documents that will aid in cross-school discussions. Two major challenges are included: 1. Matching wits with angel screeners and VC investors and 2. providing feedback to companies studied.

**ENGR 3499****Special Topics in Electrical and Computer Engineering****Subtitle: Embedded System Design**

Instructor(s): Chang

Credits: 4 ENGR

Hours: 4-4-4

Prerequisites: ENGR3410, ENGR2210

This course explores the hardware/software boundary through a series of hands-on projects involving alternative computing environments such as field-programmable gate arrays (FPGAs), digital signal processors (DSPs), traditional general-purpose CPUs, and embedded microcontrollers. Students will explore hardware/software codesign through practical algorithmic partitioning. Each project will delve into optimizing under real-world constraints such as weight, power, size, in addition to computational speed.

This course is applicable to almost anyone that has any programming skills, and especially appeals to ECE, E:C, E:Systems majors.

**ENGR 3499****Special Topics in Electrical and Computer Engineering****Subtitle: Microelectromechanical Systems**

Instructor(s): Mur-Miranda

Credits: 4 ENGR

Hours: 4-0-8

Introduction to analysis, design and fabrication of microelectromechanical systems (MEMS). Students will learn design and analytical tools taken from an array of diverse fields, such as electrical engineering, mechanical engineering and materials science. Students will also learn basic fabrication techniques and material properties used in the creation of MEMS. Examples of system applications will be selected from a wide set of fields and may include energy harvesters, inertial sensors, chemical reactors, microturbine engines, cell sorters or micromirror displays.



### **ENGR 3499A**

#### **Special Topics in Electrical and Computer Engineering**

##### **Subtitle: Mobile Networks**

Instructor(s): Yim  
Credits: 4 ENGR  
Hours: 4-4-4  
Prerequisites: ENGR2410

An introduction to the theory and technology of wireless networks. Topics include cellular networks, wireless propagation models, multiple access techniques, multiantenna systems, and wireless technology standards. Students work in teams to build their own antenna, perform channel measurements throughout the campus, and build wireless communication links.

### **ENGR 3599**

#### **Special Topics in Computing**

##### **Subtitle: Artificial Intelligence**

Instructor(s): Stein  
Credits: 4 ENGR  
Hours: 4-4-4  
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.

### **ENGR 3699**

#### **Special Topics in Bioengineering**

##### **Subtitle: Tissue Engineering**

Instructor(s): Sieminiski  
Credits: 4 ENGR  
Hours: 2-7-3  
Prerequisites: SCI1210

Tissue engineering is often defined as growing or regenerating tissues. To grow engineered tissues requires an understanding of the cell and tissue biology as well as understanding of how culture conditions (transport of oxygen and biochemical factors, application of mechanical forces, etc.) affect the growing tissues. This course will begin with an overview of developmental biology and the types of biochemical and biophysical cues cells receive and respond to during development that direct them to form specific tissues, followed by an overview of the larger field of tissue engineering. Students will then focus on a specific tissue of interest, as preparation for designing and executing experiments to grow engineered tissues. We will isolate mesenchymal stem cells from bovine bone marrow, which are adult stem cells that can differentiate into cells that make up bone, cartilage, fat, and muscle. Students will design and carry out experiments to grow one of these tissues in long-term (3-4 week) experiments. The resulting tissue-engineered constructs will be analyzed biochemically, mechanically, and histologically and compared to native tissues. We will also discuss and estimate relevant transport and mechanical parameters.

### **ENGR 3699A**

#### **Special Topics in Bioengineering**

##### **Subtitle: Biological Thermodynamics for Engineers**

Instructor(s): Zastavker and Sieminiski  
Credits: 4 ENGR  
Hours: 4-0-8  
Prerequisites: ICB2, MTH2120, MTH2140 or permission of instructor(s)

The beauty and depth of this subject cannot be described better than with the words of one of the greatest physicists of the 20<sup>th</sup> century, Arnold Sommerfeld, "Thermodynamics is a funny subject. The first time you go through it, you don't understand it at all. The second time you go through it, you think you understand it, except for one or two points. The third time you go through it, you know you don't understand it, but by that time you are so used to the subject, it doesn't bother you anymore." In this course we will venture into the depths of thermodynamics and statistical mechanics, while concentrating on applications of the abstract concepts to biological, biochemical, and biophysical phenomena and drawing from contemporary bioengineering problems. This course provides an introduction to the study of energy transformations in biological systems as well as thermodynamics and kinetics of structure formation and association of biomolecules. Topics covered include energy and its transformation, the First and Second Law of Thermodynamics, Gibbs Free Energy, statistical thermodynamics, binding

equilibria and reaction kinetics, and a survey of other interesting areas of biological thermodynamics, particularly the origin of life on Earth. Topics have relevance to numerous pertinent biological/bioengineering applications including diseases based on phase transitions (i.e. cataract of the eye, Alzheimer's disease, etc.), oxygenation of hemoglobin; protein folding, aggregation, and binding; assembly of everything from the phospholipids bilayer to biomaterials; the macroscopic mechanical properties of biomaterials and even cells; creation and operation of devices at the nano- and micro-scales; understanding the basis of mass transport; osmotic pressure relevant to cells and microvascular filtration; receptor-ligand binding; the melting and annealing of DNA. The concepts employed in this course have relevance to students interested in many disciplines, including BioEngineering, Material Science, and Chemistry.

### **SCI 2099**

#### **Special Topics in Science**

##### **Subtitle: Materials Visualization**

Instructor(s): Christianson with Sieminski, Chachra, Zastavker, J. Pratt, Stolk

Credits: 2 SCI

Hours: 4-0-2

Direct sample visualization 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 sample imaging. This class will be a practical, lab-based introduction to microscopy techniques, including bright field, dark field, reflection, DIC, phase contrast, fluorescence and confocal with comparison made to the capabilities of SEM and x-ray imaging. We will study the principles behind these techniques, and the class will primarily feature hands-on usage of the Nikon scopes in the bio lab, the reflection scopes in the materials science lab, as well as the new confocal microscope and the new FTIR microanalysis setup. We will be examining various samples from biology and material science including cells, bacteria, colloids, MEMS, microfluidics and block copolymer superstructures with the intent of illuminating the connection between the images, composition, structure, and function of the sample. Students will also have the opportunity to run their own visualization experiments.

### **SCI 3199**

#### **Special Topics in Physics**

##### **Subtitle: High Energy Astrophysics**

Instructor(s): Holt

Credits: 2 SCI

Hours: 2-0-4

The universe is a dangerous place to grow up! The oldest radiation that we can measure directly corresponds to temperatures of only thousands of degrees, but there is indirect evidence for the early universe requiring temperatures of at least billions of degrees. As the universe expands and cools there are still occasional (but quite frequent) episodes involving temperatures of millions or even billions of degrees that are manifested in phenomena like supernovae and black holes. These high energy episodes are not just curiosities – supernovae are responsible for virtually all the elements in the universe more massive than the very lightest, and giant black holes are present at the cores of virtually all galaxies. This course will examine how the theoretical and empirical study of X-ray and gamma-rays can probe the high energy universe.

## Other Registration Opportunities or Notes

### **MEC 1000**

#### **Fundamentals of Machine Shop Operations**

Instructor(s): Anderson

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

Hours: 6-0-6

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

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

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

### **IDENTIFIED OPPORTUNITY FOR OLIN STUDENTS AT BRANDEIS UNIVERSITY**

#### **ANTH 129b**

#### **Global, Transitional and Diasporic Communities**

Instructor: Lynch

Credits: 4

Hours: ?

Meets: Tues., Fri., 12:10-1:30 PM

The lives of people around the world are becoming increasingly interconnected in economic, political, social, cultural and environmental terms. Such processes are commonly referred to as "globalization." This course examines global processes from an anthropological perspective, focusing on their social and cultural dimensions. Topics include the impact of global capitalism upon indigenous communities, transnational migration and diasporas, global forms of popular culture and consumerism, changing inequalities and gender systems, and the globalization of sexual identities. Central questions concern those of identity and social inequality: how do people define themselves, and how are their lives and social relations structured, in terms of nation, culture, ethnicity, religion, race, class, gender, sexuality and age in this era of global flows? Throughout the course, we also consider the ways anthropology as a discipline is changing as anthropologists seek new, productive ways to study crucial human processes in our modern global, transnational world.

**THIS IS A BRANDEIS COURSE THAT COUNTS TOWARD THE MAJOR FOR ANTHROPOLOGY AND INTERNATIONAL AND GLOBAL STUDIES UNDERGRADS AND GRAD STUDENTS. OLIN STUDENTS MAY ENROLL BY CROSS-REGISTERING. IF THE COURSE IS FULL BEFORE OLIN STUDENTS CAN REGISTER, CAITRIN WILL ADMIT UP TO 4 OLIN STUDENTS, AND SHE IS WILLING TO DRIVE UP TO 4 OLIN STUDENTS (IN A SMALL CAR) TO AND FROM OLIN EACH TIME (BUT SHE NEEDS TO GO A BIT EARLY AND STAY A BIT LATE).**

### **IDENTIFIED OPPORTUNITIES FOR OLIN STUDENTS AT BABSON COLLEGE**

#### **PHL 3607 section 01 Existentialism**

Brian Seitz meets Tues/Thurs 3:25-5:00pm

Existentialism is a philosophical movement loosely held together by sensitivity to the paradoxes and meaningful ambiguities of human experience. With a common emphasis on the tension between freedom and the fateful power of circumstance, existentialists tend to view the practice of life from the standpoint of the challenges facing the construction of individual and intersubjective identity. Some existentialists are deeply religious, while others are fervently atheistic. All, however emphasize the significance of the situated nature of freedom, which translates into a philosophy of responsibility and engagement with the world. Be prepared to question yourself. That is not a joke.

#### **POL 3677 section 01 The American Presidency**

Kevin Bruyneel meets Tues 6:00-9:10pm

In this course we will examine the origins, historical development, and political power of the US presidency, the institutional context in which presidential leadership takes place, and the role of the president as a symbolic figure. The Constitutional basis of the American Presidency is the same today as it was in George Washington's time, but the role the president plays today is very different than it was in 1789. We will look at the success of presidents from Washington to George W. Bush in meeting the country's leadership expectations and will analyze why some presidents have been more successful than others. The accomplishments of different presidents will be reviewed and the contributions they made to the development of the office

evaluated. This class will expose students to a variety of perspectives and methods that can be employed to analyze the institution of the Presidency, the decision-making process of its occupants, and the effectiveness of specific presidential administrations. Among the questions we will explore are the following: How did the founders conceive the role of the presidency, and how has that role changed over time? How does the institutional context expand or constrain presidential power and influence? How does presidential rhetoric shape national priorities? By what standard do we measure any particular presidency to have been great, near-great, unsuccessful, or a failure?

**AMS 3675 section 01 9/11 Culture: American Arts After the Fall** Jeffrey Melnick meets 1:40-4:50pm

This course will examine the many ways that American popular artists (musicians, filmmakers, comedians, writers, and others) have responded to the 9/11 attacks. From the angry patriotism of country singer Toby Keith, to the complex grief articulated by Native American writer Sherman Alexie, the range of artistic expressions has been broad and challenging. In this class students will be asked to examine these specific contributions as well as more general questions about cultural trauma and recovery.

**LAW 1003 section 01 Foundation of Business Law** Carolyn Hotchkiss meets Tues/Thurs 1:40-3:15pm

This course is part of the IME curriculum and is NOT open to Fall 2006 first year students. This course is an introduction to the legal system. Survey of agency employment, torts, crimes, and contracts; formation, management, and financing of corporations and partnerships; sales; consumer protections; and securities law. Spring 2007 is the final offering of this 4-credit course.

**LAW 3593 section 01 Building Contracts for New Ventures** Craig Ehrlich meets Mon/Weds 1:40-3:15pm  
(experimental course, first offering)

**MOB 3580 section 01 Negotiations** Elaine Landry meets Weds 1:40-4:50pm

This course explores the many ways that individuals think about and practice conflict resolution. Students will have a chance to learn more about their own negotiating preferences and the consequences of the choices they make. The course requires both intensive involvement in negotiation and mediation simulations/exercises and thoughtful application of theory through class discussion and written analysis. Class materials will reflect a variety of contexts from the workplace, including interpersonal, global, and cross-cultural interactions.

SP2007 Course Offerings

Area	Course #	Sec #	Course Title	Instructors	Credits	Meeting Pattern	Location	Enroll Limits	Notes
AHS	AHSE 0112	01	Olin Conductorless Orchestra	Dabby	1	R 6:45-9:00p	AC318	99	
AHS	AHSE 2120	01	Heroes for the Renaissance Engineer: Leonardo, Nabokov, Bach, Borodin	Dabby	4	T 3-5:50p	AC326	15	
AHS	AHSE 2199	01	Special Topics in Arts, Humanities, Social Sciences: Cultural Collisions and Collusions in Prize-Winning Multicultural Literature	Argyros	4	MW 10-11:50a	AC318	30	Waitlist Available
AHS	AHSE 2199A	01	Special Topics in Arts, Humanities, Social Sciences: The US and the Muslim World: Issues of Democracy, Development and Terrorism	Abbas	4	T 4:00-7:50p	AC328	30	
AHS	AHSE 3199	01	AHS Capstone Preparatory Workshop	Martello	1	n/a			
AHS	AHSE 4190	01	AHS Capstone	Lynch; Dabby	4	W 1-3:50p	AC218	40	
AHS & SCI	AHSE 2110	01	The Stuff of History: Materials and Culture in Ancient, Revolutionary and Contemporary Times	Martello	4	T & W 1-4:50p	AC213; AC413	18	Co-Req is SCI 1410
AHS & SCI	SCI 1410	01	Materials Science and Solid State Chemistry with Lab	Stolk	4				Co-Req is AHSE 2110
DSN	ENGR 2250	01	User Oriented Collaborative Design	Linder; Chachra	4	MR 1-3:50p	OC120; AC204	28	
DSN	ENGR 2250	02	User Oriented Collaborative Design	Eris; Schiffman	4	MR 1-3:50p	OC120; AC206	28	
DSN	ENGR 2250	03	User Oriented Collaborative Design	Mur-Miranda; Staff	4	MR 1-3:50p	OC120; AC209	28	
DSN	ENGR 3230	01	Useable Products: Analyzing the User Experience for Redesign	Eris	4	MR 10-11:50a	AC209	25	CANCELLED 3Nov06
E!	AHSE 1500	01	Foundations of Business and Entrepreneurship	Bourne; Schiffman	4	MR 10-11:50a	AC109	40	
E!	AHSE 3599	01	Special Topics in Business and Entrepreneurship: Real time Business Analysis	Bourne	4	R 3:25-6:35p	AC109	15	
E!	AHSE 4590	01	E! Capstone	Bourne; Schiffman	2 or 4	W 1-2:50p	AC326	10	
E:BIO	ENGR 3699	01	Special Topics in Bioengineering: Tissue Engineering	Sieminski	4	MR 1-3:50p	AC417; AC406	12	
E:BIO	ENGR 3699A	01	Special Topics in Bioengineering: Biological Thermodynamics for Engineers	Zastavker; Sieminski	4	TF 1-2:50p	AC318	20	
E:C	ENGR 2510	01	Software Design	Downey	4	MR 10-10:50a	AC328	25	Waitlist Available
E:C	ENGR 2510 lab	A, B, C	Software Design LABs	Downey	0	W 1-5:50p varied	AC328	15	Labs will be chosen
E:C	ENGR 3599	01	Special Topics in Computing: Artificial Intelligence	Stein	4	MR 11-12:30p	AC328	30	Waitlist Available
E:MS	ENGR 3820	01	Failure Analysis and Prevention	Stolk	4	MR 10-11:50a	AC326	20	
ECE	ENGR 2410	01	Signals and Systems	Dabby	4	TF 1-1:50p; W 4-5:50p	AC304	25	
ECE	ENGR 2420	01	Circuits & Microelectronics	Minch	4	TF 10-10:50a; W 9-10:50a	AC304	25	

SP2007 Course Offerings

Area	Course #	Sec #	Course Title	Instructors	Credits	Meeting Pattern	Location	Enroll Limits	Notes
ECE	ENGR 3430	01	Digital VLSI	Chang	4	TF 11-11:50a; W 1-2:50p	AC304	25	
ECE	ENGR 3499	01	Special Topics in Electrical and Computer Engineering: Microelectromechanical Systems	Mur-Miranda	4	TF 9-9:50a; W 1-2:50p	AC318	25	
ECE	ENGR 3499A	01	Special Topics in Electrical and Computer Engineering: Embedded Systems Design	Chang	4	MR 1-2:50p	AC304	10	
ECE	ENGR 3499B	01	Special Topics in Electrical and Computer Engineering: Mobile Networks	Yim	4	MR 10-11:50a	AC304	12	
ENGR	ENGR 2210	01	Principles of Engineering	Minch	4	TF 1-2:50p	AC306	25	
ENGR	ENGR 4190	01-15	Senior COnsulting Program for Engineering (SCOPE)	Barrett; Linder; Minch; Lee; Pratt, G; Townsend; Schiffman; Chang	4	TF 12-12:50p; T 3-5:50p	OC120	72	Register for SAME section as you are enrolled for Fall 2006
ENGR	ENGR 4190A	01	Senior COnsulting Program for Engineering (SCOPE)		4	TF 12-12:50p; T 3-5:50p	OC120	10	open to non-Olin students
ICB	ENGR 1120	01	Engineering of Spatially Distributed Systems	Pratt, G; Storey; Bingham	3	M 9-9:50a; T 1-2:50p	OC120 M; AC126	30	
ICB	ENGR 1120	02	Engineering of Spatially Distributed Systems	Pratt, G; Storey; Bingham	3	M 9-9:50a; W 1-2:50p	OC120 M; AC126	30	
ICB	ENGR 1120	03	Engineering of Spatially Distributed Systems	Pratt, G; Storey; Bingham	3	M 9-9:50a; F 1-2:50p	OC120 M; AC126	30	
ICB	ICB2 (MTH 1120 & SCI 1120)	01	Vector Calculus; Physics: Electromagnetism & Waves	Zastavker; Geddes; Somerville; Moody	2;3	TF 10-11:50a; MR 1-2:50p	OC120 TF; AC318	30	
ICB	ICB2 (MTH 1120 & SCI 1120)	02	Vector Calculus; Physics: Electromagnetism & Waves	Zastavker; Geddes; Somerville; Moody	2;3	TF 10-11:50a; MR 3-4:50p	OC120 TF; AC318	30	
ICB	ICB2 (MTH 1120 & SCI 1120)	03	Vector Calculus; Physics: Electromagnetism & Waves	Zastavker; Geddes; Somerville; Moody	2;3	TF 10-11:50a; MR 3-4:50p	OC120 TF; AC326	30	
ME	ENGR 3320	01	Mechanics of Solids and Structures	Lee	4	MR 11-11:50a; W 4-5:50p	AC218	25	
ME	ENGR 3330	01	Mechanical Design	Barrett	4	T 10-11:50a; F 9-11:50a	AC309	20	
ME	ENGR 3350	01	Thermodynamics	Townsend	4	MR 10-10:50a; W 9-10:50a	AC213	25	
ME	ENGR 3370	01	Controls	Bingham	4	TF 10-11:50a	AC328	20	
ME	ENGR 3380	01	Design for Manufacturing	Sabin	4	MR 4-5:50p	AC213	25	
MTH	MTH 2120	01	Linear Algebra	Moody	2	MR 8-9:50a	AC328	30	Session I
MTH	MTH 2130	01	Probability and Statistics	Moody	2	MR 8-9:50a	AC328	30	Session II

SP2007 Course Offerings

Area	Course #	Sec #	Course Title	Instructors	Credits	Meeting Pattern	Location	Enroll Limits	Notes
MTH	MTH 2140	01	Differential Equations	Moody	2	TF 8-9:50a	AC328	30	Session I
MTH	MTH 2160	01	Introduction to Mathematical Modeling	Tilley	2	TF 10-11:50a	AC109	12	Session I
MTH	MTH 3140	01	Error Control Codes	Adams	4	MR 4-5:50p	AC328	25	Course counts as 2 credits in MTH and 2 credits in ENGR
MTH	MTH 3150	01	Numerical Methods and Scientific Computing	Tilley	4	TF 9:9:50a; W 9-10:50a	AC109	30	
MTH	MTH 3170	01	Nonlinear Dynamics and Chaos	Geddes	4	TF 1-2:50p	AC326	25	
OSSIS URB	ENGR, SCI, MTH 0097, AHSE 0197; AHSE 0597		Independent Study Activity		varied				application forms due to StAR Center by February 5th to confirm registration
OSSIS URB	ENGR, SCI, MTH 0098, AHSE 0198; AHSE 0598		Undergraduate Research Activity		varied				application forms due to StAR Center by February 5th to confirm registration
OSSIS URB	ENGR, SCI, MTH, AHSE 4198; AHSE 4598		Olin Self Study		2;4				application forms due to StAR Center by February 5th to confirm registration
SCI	SCI 1210	01	Principles of Modern Biology with Lab	Pratt, J	4	TF 10-11:50a	AC417; AC406	18	Choose lab A or B
SCI	SCI 1210	02	Principles of Modern Biology with Lab	Pratt, J	4	TF 1-2:50p	AC417; AC406	18	Choose lab A or B
SCI	SCI 1210 lab	A	Biology Lab	Pratt, J	0	W 1-3:50p	AC406	18	must choose lecture 01 or 02 in addition
SCI	SCI 1210 lab	B	Biology Lab	Pratt, J	0	M 10-12:50p	AC406	18	must choose lecture 01 or 02 in addition
SCI	SCI 1310	01	Introduction to Chemistry (w/ lab)	Morse	4	MR 5-6:60p; W 4-6:50p	AC218; AC409	18	Waitlist Available
SCI	SCI 2099	01	Special Topics in Science: Materials Visualization	Christianson et al	2	MR 8:30-9:50a	AC417; AC406	12	full semester course
SCI	SCI 3120	01	Solid State Physics	Christianson	4	MR 1-2:50p	AC326	20	COURSE CANCELLED
SCI	SCI 3199	01	Special Topics in Physics: High Energy Astrophysics	Holt	2	MR 8-9:50a	AC113	15	Session I
	AWAY 1000	01	Study Away Program		12				Registration Required for those with APPROVED programs.
	MEC 1000	01	Fundamentals of Machine Shop Operations	Anderson	4 non-degree	MR 4-5:50p	AC104	tba	

Key:	ENGR / DSN Courses	ME	ECE	ICB or Genl Req	Math	AHSE	SCI	Upper Level Integrated Offering	Academic Schedule												
	Mon				Tues				Wed												
8:00	MTH 2120 Linear Algebra	MTH 2130 Prob Stats																			
8:50	Sess I	Sess II																			
9:00	328	328																			
9:50																					
10:00	ENGR 1210 Prin Modern Bio LAB B	ENGR 2510 Software Design 328	AHSE 1500 Found. Of Bus. And E-ship	ENGR 3350 Thermodynamics 213	ENGR 3820 Failure Analysis 326	ENGR 3499B Spec Top: Mobile Networks 304	AHSE 2199 Spec Topics: Multicultural Lit 318	SCI 1210 -01 Prin Modern Bio 417	ENGR 3499 Spec Top: MEMS 318	MTH 3150 Numerical Methods 109	ENGR 2420 Circuits & Microelectronics 304	ICB 2 Vec Calc & Physics	ENGR 3370 Controls 328	ENGR 3330 Mechanical Design 309	MTH 2160 Mathematical Modeling Sess I 109	AHSE 2199 Spec Topics: Multicultural Lit 318	SCI 1310 Intro Chemistry LAB C 409	MTH 3150 Numerical Methods 109	ENGR 2420 Circuits & Micro-electronics 304	ENGR 3350 Thermodynamics 213	SCI 2099 02 Materials Visualization 417/406
10:50	406	ENGR 3599 Spec Top: Artrf Intell 328	109	ENGR 3320 Mech Solids Struct 218																	
11:00																					
11:50																					
12:00	<b>SCOPE 12-12:50pm</b>																				
12:50																					
1:00	ICB 2 STUDIO -01 VecCalc & Physics 318	ENGR 3499A Spec Top: Embedded Systems 304	ENGR 2250 all sections	ENGR 3699 Spec Topics in Bioengineering: Tissue Engineering 417/406		<del>SCI 3130 -01 Solid State Physics 326</del>	SCI 1210 -02 Prin Modern Bio 417	ENGR 2210 -01 Prin of Engineering 306	ENGR 1120 -01 Mod & Control Distributed Systems 126	MTH 3170 Nonlinear Dynamics and Chaos 326	ENGR 3699A Spec Topics in BioE: Bio Thermo for Engineer 318	ENGR 2410 Signals & Systems 304	SCI 1410 -01 Materials Science & Solid State Chemistry 213/413	ENGR 1120 -02 Mod & Control Distributed Systems 126	SCI 1210 Prin Modern Bio LAB A 406	SCI 1410 -01 Materials Science & Solid State Chemistry 213/413	AHSE 4190 AHS Captstone 218	AHSE 4590 Entrepreneurship Captstone 326	ENGR 3430 Digital VLSI 304	ENGR 3499 Spec Top: MEMS 318	ENGR 2510 Software Design 328
1:50																					
2:00																					
2:50																					
3:00	ICB 2 STUDIO -02 VecCalc & Physics 318	ICB 2 STUDIO -03 VecCalc & Physics 326																			
3:50																					
4:00			ENGR 3380 Design for Manufacturing 213	MTH 3140 Error Control Codes 328	MEC 1000 Machine Shop Operations 104			AHSE 2120 Heroes for Renaissance Engineer 326			AHSE 2199A US and the Muslim World 326	SCI 1310 Intro Chemistry LAB B 409									
4:50																					
5:00																					
5:50																					
6:00																					
6:50																					



		ENGR / DSN Courses	ME	ECE	ICB or Genl Req	Math	AHSE	SCI	Upper Level Integrated Offering			
<b>Thurs</b>					<b>Fri</b>							
MTH 2120 Linear Algebra Sess I 328	MTH 2130 Prob Stats Sess II 328	SCI 2099 01 Materials Visualization 417/406	SCI 3199 -01 Spec Topics: High Energy Astrophysics SESS I 113						8:00			
									8:50			
									9:00			
									9:50			
ENGR 2510 Software Design 328		AHSE 1500 Found. Of Bus. And E-ship 109	ENGR 3350 Thermodynamics 213	ENGR 3820 Failure Analysis 326	ENGR 3499B Spec Top: Mobile Networks 304	ENGR 3499 Spec Top: MEMs 318	ICB2: VecCalc & Physics Lecture - ALL OC120 328	ENGR 3370 Controls 309	MTH 2160 Mathematical Modeling Sess I 109	10:00		
ENGR 3599 Spec Top: Artif Intel 328			ENGR 3320 Mech Solids Struct 218						10:50			
									11:00			
									11:50			
									12:00			
<b>SCOPE 12-12:50pm</b>												
									12:50			
ICB 2 STUDIO -01 VecCalc & Physics 318	ENGR 3499A Spec Top: Embedded Systems 304	ENGR 2250 all sections UOCD OC120; AC204, 206, 209	ENGR 3699 Spec Topics in Bioengineering: Tissue Engineering 417/406		SCI 3130 -01 Solid State Physics 326	SCI 1210 -01 Prin Modern Bio 417	ENGR 1120 -03 Mod & Control Distributed Systems 126	ENGR 2210 -01 Prin of Engineering 306	ENGR 2410 Signals & Systems 304	MTH 3170 Nonlinear Dynamics and Chaos 326	ENGR 3699A Spec Topics in BioE: Bio Thermo for Engineer 318	1:00
										1:50		
										2:00		
										2:50		
ICB 2 STUDIO -02 VecCalc & Physics 318	ICB 2 STUDIO -03 VecCalc & Physics 326	ENGR 3380 Design for Manufacturing 213	MTH 3140 Error Control Codes 328	MEC 1000 Machine Shop Operations 104	AHSE 3599 3:25-6:35p Real Time Business Analysis 109	Community Service					3:00	
										3:50		
										4:00		
										4:50		
SCI 1310 -01 Intro Chemistry 218/409										5:00		
										5:50		
										6:00		
										6:50		
		AHSE 0112 Olin Conductorless Orchestra 6:45-9:00pm									6:50	