Spring 2018 Supplement and Course Offerings List

Vol16no2.2 (19Jan2018)

Information Contained In this Document

1) Course Tips & Info and Catalog Supplement (courses new to catalog for 2017-18 or special topics)
2) Cross-Registration Deadlines
3) Course Offerings List (you can also search this here: Course Search)
4) Course Offerings Grid

General Registration Instructions and FAQs, please visit our Registrar's web page.

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

Session	Add	Drop and Pass/No Credit	Withdraw
Full Semester (Jan 23 – May 3)	February 5, 2018	April 4, 2018	May 3, 2018
Session I (Jan 23 – Mar 9)	January 29, 2018	February 23, 2018	March 9, 2018
Session II (Mar 12 – May 3)	March 16, 2018	April 19, 2018	May 3, 2018

Cross-Registration Deadlines

	Babson	Brandeis	Wellesley
Cross-registration open period	11/06/2017 – 1/29/2018 at 4:30 p.m.	1/4/2018 – 1/24/2018	11/13/2017 – 2/9/2018 at 11 p.m.
First day of classes	1/23/2018	1/10/2018	1/29/2018
Drop deadline	1/29/2018 at 4:30 p.m.	2/28/2018	2/23/2018 at 11 p.m.

Questions? Contact the Registrar's Office at Olin College, Campus Center, Room 320; registrar@olin.edu 781-292-2340

Degree requirements are outlined in the course catalog: http://olin.smartcatalogiq.com/2017-18/Catalog

Looking for a visual representation? Check out Olin's **Curriculum Map**

Course descriptions can also be found in the catalog and in the portal course search. New, highlighted, and Special Topics course descriptions are listed below.

Helpful Tips & Information on Planning Your Spring 2018 Courses

A. We have some new courses (and some returning courses) to tempt you … please take a look at this short list and explore them more fully in the section below or in our college catalog:
   a. Biomedical Materials – with Debbie Chachra – don't miss out – very fun course!
      i. Want to know more about putting implants in the body - everything from tattoos and magnets/RFIDs to tissue-engineered hearts? This course is for you!
      ii. If you previously took Alisha's device design course, this a deeper dive into the biological response to implants.
      iii. This course is very student-driven, digging deeper into topics where the student interest lies.
   b. DREAM– that's right, Amon is back at it with an Engineering course that explores the people-to-people process of Engineering in a "maker movement" environment.
   c. DESIGN Depths – we have lots of them!
      i. Return Design – see Tim Ferguson Sauder to enroll. This course is not for open enrollment.
      ii. Biomimicry – with Ben Linder and Jean Huang
      iii. Quantitative Engineering Design – with Chris Lee
      iv. Technology, Accessibility and Design – with Paul Ruvolo and Caitrin Lynch
      v. Affordable Design and Entrepreneurship
   d. New Advanced Mathematics with John Geddes and Brian Storey – Nonlinear Systems Lab
      i. this course will satisfy the ME math elective requirement

B. What does the category of Cross-listed mean?

   Cross-listing is a term associated with two distinct course numbers for a single academic activity. The activity can be defined under two topics depending on what aspect of the course content a student focuses on during their enrollment. To this end, the student elects the path at the beginning of the course (no later than the last day to add) by selecting the appropriate course number.

   During the spring semester we have two such offerings …

   Tim Sauder's Tell the Story of What You Make (AHSE 2199 or ENGR2299) and
   Ben Linder's and Jean Huang's Biomimicry (ENGR3299 or SCI2299)

   If you were to enroll in these courses, you would decide if you wanted AHS or ENGR credit for Tim's and for Ben and Jean's ENGR or SCI credit. The distinction is important because it could frame your project and impact how your experience works toward completing a requirement (e.g. ENGR for Ben and Jean's course will satisfy a design depth requirement, while the SCI course number statisfies and advanced biology requirement).

   Questions? … email us, registrar@olin.edu

New, Returning and Special Topics Courses to Note

AHSE2199 or ENGR2299: Special Topics in Arts Humanities, Social Science OR Engineering Design
Tell the Story of What You Make
Instructor: Tim Sauder
Credits: either 4 AHSE or 4 ENGR credits

Registration note: This is a cross-listed course. Students must elect the course number with the appropriate content area prefix at the time of registration (i.e. AHSE or ENGR). The decision is not reversible after the last day to add.

How do engineers creatively engage with multiple audiences and stakeholders for their work? Telling stories is critical for anyone who makes things: communicating technical work to non-experts, creating persuasive arguments for technology adoption, or projecting a future with better engineering in it. This course will cover how stories are built and how to craft your own, exploring communication design in multiple forms of media: print, images, film, music, and more. The course includes excursions to experience location-specific visual representation, multiple individual communication experiments, group collection of media, and a culminating project in which students will tell the story of one of their own projects. We'll look at how music videos, cereal boxes, advertisements, grocery shopping, infographics and even people's outfits (just to name a few) can inform how you might build an effective story about one of your own projects.

ENGR2199: Special Topics in Engineering
Designing Resources for Empowerment and Making (DREAM)
Instructor: Amon Millner
Credit: 4 ENGR credits

DREAM is a studio for students to examine inequalities in places where hands-on making is encouraged and to understand what it means to develop empowering experiences. The class features hands-on projects on Olin's campus that allow students to expand their skills as makers with media of their choosing, from computing to craft material and from CAD to CAM. Students will attend at least one of approximately four interactions with off-campus entities such as community technology centers, maker faires, and innovation spaces in schools or libraries. A group project will provide opportunities for students to grapple with the realities of facilitating hands-on making in scenarios where participants have a history of being marginalized. Weekly class meetings mix making time with studying cases of both effective and ineffective empowering interventions in a variety of settings. Students will draw from lessons learned from each case as they design their experiences pragmatically.

ENGR2199A: Special Topics in Engineering
Temporary Autonomous Infrastructural Research Group
Instructor: Debbie Chachra
Credit: 4 ENGR credits

We live our lives embedded in systems that both help take care of many of our basic—and some not-so-basic—needs like warmth, clean water, hygiene, and communications, and also provide the technological context for our engineering work. We rarely notice these systems until something goes wrong. In this course, we'll investigate the infrastructure that surrounds us, including water, sewage, electricity, transport, and more, including field trips in the Boston area. We'll also follow and learn about the unfolding situation around power, water, and telecommunications in Puerto Rico in the aftermath of Hurricane Maria. And we'll start thinking more broadly about infrastructure, asking questions like 'what counts as infrastructure, and why?' and reading widely, both in the popular and in the scholarly literature. By the end of the semester, these threads will lead to a new awareness and understanding of these systems that are all around us, and you will have the opportunity to document and communicate your explorations. Together, we'll consider our collective future: how might we make infrastructural systems more sustainable, resilient, and equitable?

Note that this is an experimental course (including experimental grading)—please come prepared to help figure out what and how we learn together!

ENGR3199: Special Topics in Engineering ***cancelled***

Complex Systems Analysis

Instructor: Alexandra Coso Strong
Credits: 4 ENGR credits
Recommended Requisites: Statistics, basic programming skills

"Complex Systems Analysis: How do we qualitatively and quantitatively understand a complex system and support decision-making within it? This course will explore through readings, in-class activities, and case studies what it means for a system to be complex, the role of stakeholders in the system, how coordination and collaboration impact the systems, and how one might use data to support decision-making in this environment. The course will emphasize both theoretical frameworks and quantitative modeling as we decompose existing systems and examine the diverse constraints affecting their overall performance. NOTE: This course is an EXPERIMENT and the "right" answers to many of these problems don't exist (think NP-Hard problems). As a result, it will be set-up as a community of learners engaging in dialogue and empirically-informed explorations of complex systems. Knowledge of statistics and programming ability is helpful, but not required.

ENGR3299 OR SCI2299: Special Topics in Design Engineering or Biological Sciences

Biomimicry

Instructors: Ben Linder, Jean Huang
Prerequisites: ENGR2250 UOCD or SCI12XX Foundational Biology
Credits: either 4 ENGR OR 4 SCI credits

Registration notes: This is a cross-listed course. Students must elect the course number with the appropriate content area prefix at the time of registration (i.e. ENGRE or SCI). The decision is not reversible after the last day to add. Can be taken to meet the Design Depth or Advanced Bioengineering elective requirement, but not both.

We can learn from nature! From studying a leaf to make a better solar cell to emulating natural processes to develop living buildings, the discipline of Biomimicry views nature as "model, mentor and measure" (Benyus, 1997). Spiders spin protein silk with the strength of steel yet much lighter all at ambient temperature and pressure. Cuttlefish change color to match their surroundings in milliseconds by contracting their chromatophores and even bioluminesce. In this course we will study wonders like these to appreciate the beauty and sophistication of life by investigating the biological mechanisms and functions of organisms as well as the dynamics of whole ecosystems. By examining biological systems at multiple scales, we can draw insights from understanding how they work. By collecting data, running experiments, creating models, or building prototypes, we can translate these insights into design ideas and practice. We will examine and discuss big ideas and thinking in biology and design and then synthesize and reflect on the intersection of these fields. Students will develop skills and insights through critical analysis of readings and the development of projects that draw on both fields. Biological systems have undergone 3.8 billion years of evolution, resulting in time-tested approaches to living on earth that are efficient and embody sustainability. By exploring the intersection of biology and design, we might learn to do the same.

ENGR3299A: Special Topics in Design Engineering

Technology, Accessibility and Design

Instructors: Paul Ruvolo, Caitrin Lynch
Prerequisite: UOCD
Credits: 4 ENGR

Registration note: Satisfies Design Depth

This course equips students with an interdisciplinary set of tools to design, build, and critique technologies that mediate access to physical and digital worlds. We will use disability, specifically blindness and low-vision, as a lens to examine the ways in which technology (e.g., assistive, medical, consumer) can both enhance and diminish access to economic, social, and informational resources. Students will examine the history of such technologies and analyze modern trends. Building from this perspective, students will learn about design processes and implementation strategies for maximizing the accessibility of the technologies they build.

During the course, student teams will work with a community partner to design a technology to enhance accessibility (along some dimension) for a user group with some form of visual disability. Students will learn and employ user-centered approaches throughout the course. Potential project areas include (but are not limited to) educational technologies, high

and low tech navigational aids, technologies to enhance participation in recreational activities, and software to enhance web and mobile accessibility.

ENGR3299B: Special Topics in Design Engineering
Return Design Studio
Instructor: Tlm Sauder
Prereqquisite: UOCD, experience in graphic design, shop training/experience
Credits: 4 ENGR credits
Registration note: Satisfies Design Depth

Return Design Studio/Shop Practicum is a class in which students will join projects running within Return Design, Tim Ferguson Sauder's lab which produces work in partnership with pro-social and non-profit projects and clients. Students will work through a creative process, both individually and in groups, which will: Develop their ability to effectively communicate about their designs with other designers in the studio/shop, as well as with external clients and partners. Build a culture in which student designers learn to both give constructive criticism of work as well as receive and respond to such criticism in a way that improves their final deliverables. Utilize the fundamental principles of visual design to leverage aesthetics in a way that effectively conveys a concept to an intended audience. Constantly consider and respond to ethical considerations implicit in the projects taking place within the studio/shop.

ENGR 3299C: Special Topics in Design Engineering
Quantitative Engineering Design
Instructor: Chris Lee
Credits: 4 ENGR
Prerequisite: ENGR2250 UOCD

Registration note: Counts as Design Depth or ME Elective, but not both

The engineering design process can often be completed more quickly and efficiently by applying quantitative analysis at various points. This course will give students the chance to apply their existing skills and knowledge and to learn new tools to perform quantitative analysis in the context of the design process. Techniques for validation and verification of results and communicating those results to support and effectively guide design decisions will be covered. Students will have opportunity to learn and apply appropriate computational tools (e.g., MATLAB/SIMULINK/Simscape, commercial FEA software).

Introductory modules will include optimization and system integration requiring model calibration and parameter identification based on measured data. In the later part of the semester, students will define and carry out the full design process, starting and ending with a user, on their own multidisciplinary projects (e.g., electromechanical system or product). Students are welcome to bring in large-scale projects from courses such as ADE, SCOPE, or Making Music for their final project.

ENGR 3599: Special Topics in Computing
Computer Networks
Instructor(s): Alex Morrow
Credits: 4 ENGR
Prerequisite: Knowledge of object oriented programming language: Python or permission of instructor.

Computer Networks is a course that traces the history of the Internet though the words of the visionaries, inventors and entrepreneurs who developed it. The course spans almost two hundred years from the creation of international telegraphy to the current network. Many pioneers from the digital computer era are recipients of the ACM Turing Award; for this course we have chosen Turing Award recipients whose accomplishments line up with the layers of standard OSI network computing model.

Labs: The goal of the labs is for students to develop an understanding of the Internet by implementing it layer by layer using Python 3 on Raspberry pi computers. For example, Layer 1 -- the OSI Physical layer -- is initially implemented as Morse code sent between Raspberry pi network nodes by programming GPIO pins. Each lab corresponds to the layer of the Internet stack associated with the network pioneer currently being studied. Each lab provides the support modules needed to code the stack layer; a common framework for gluing the stack layers together is also provided.

Final project: students choose a final project will contribute to the understanding of computer networks. The project can investigate history, describe an aspect of current practice not currently covered by the course or propose future directions that address problems with the current Internet.

Sources: Turing recipients often use the occasion of the award to reflect on their contributions and their impact; detailed historic records of the development of the Internet are available from IETF.org. Historic reference works on telegraphy, computing, programming and networking will be on reserve in the library.

ENGR3599A: Special Topics in Computing

Hacking the Library

Instructor(s): Oliver Steele
Credits: 4 ENGR
Prerequisite: recommend ENGR 2510 or equivalent programming experience

Let's create a new kind of Library. This course uses the Olin Library, and the areas of civic and community software, as a platform on which to explore topics in software production, deployment, and operations. Labs, workshops, readings, and studio time are used to introduce specific topics in these areas. Project goals are to leverage the Library's resources and institutional mandate to demonstrate the future of Olin's Library and public libraries writ large, and to create systems, artifacts, and spaces that impact the Olin community beyond the semester. Learning goals cover the concepts, tools, and techniques that apply in moving software from prototype to production. In order to learn concepts that apply to different stages of the software project lifecycle, we will both work with current projects, and create new projects. Current projects will be drawn from last year's course offering, from the Software of Summer, and from Olin Build. New directions could include visualizations and context-aware displays, data-mining and machine learning and novel digital/physical environments.

ENGR3599B-01: Special Topics in Computing

Programming Languages

Instructor: Pucella
Credits: 4 ENGR

This course is an introduction to the theory, design, and implementation of programming languages. Topics covered may include: semantics of programming languages, types, higher-order functions and lambda calculus, objects, laziness, continuations, monads, objects, and concurrency. Class work revolves around the implementation of interpreters for a variety of small programming languages.

MTH3199-01: Special Topics in Mathematics

Nonlinear Systems Laboratory

Instructors: Geddes, Storey
Credits: 4 MTH
Prerequisites: Linearity I and II and physics foundation OR QEA I and II

This is a new advanced mathematics course which will integrate mathematical analysis of nonlinear systems with experimental measurements and observations. The focus will be on quantitative modeling and analysis of real systems and high quality experiments. Students selecting this course in its first offering should be passionate about building this course from the ground up.

SCI1210-01: Principles of Modern Biology
Through the Lens of Human Disease
Instructor: Wasylenko
Credits: 4 SCI

Registration note: Satisfies Biology foundation

This course explores the fundamental principles of biology through the lens of human disease. The underlying causes of human disease are illustrative of foundational biological concepts. For example, the connection between genetics and biochemistry was established by the study of the metabolic disorder alkaptonuria (a rare disease which causes severe, early-onset arthritis), and the importance of proper protein production and processing is shown by collagen defects in Ehlers-Danlos syndrome (a connective tissue disorder resulting in joint hypermobility and weakened skin and blood vessels). In this course, we will examine numerous examples drawing heavily on historic scientific literature and case studies to understand fundamental biology from a human diseases perspective. Experimental design and analysis will be emphasized, and this understanding will be complemented by laboratory activities. Through discussion, literature analysis, and group projects, students will have diverse opportunities to enhance their written and oral communication skills.

Area	Course #	Sec #	Course Title	Instructor	Time	Location	Credits	Enroll Limits	Registration Notes	Curriculum Notes
AHS	AHSE0112	01	The Olin Conductorless Orchestra	Dabby	R 6:45-9:00pm	AC318 AC328	1	n/a		
AHS	AHSE2112	01	Six Books that Changed the World	Martello	TF 10:50-12:30pm	AC417	2	24	Session I: 1/2 Session Offering	
AHS	AHSE2114	01	SciFi and Historical Context	Martello	TF 10:50-12:30pm	AC417	2	24	Session II: 1/2 Session Offering	
AHS	AHSE3190	01	Arts Humanities Social Sciences Capstone Preparatory Workshop	Epstein	n/a	n/a	1	n/a		required if planning on a Capstone project in Fall 2018
AHS	AHSE4190	01	Arts Humanities Social Sciences Capstone Project	Epstein	M 9:10-10:40am	AC417	4	28		
Crosslisted	AHSE2199 or ENGR2299	01	Special Topics in AHS or Design Engineering: Tell the Story of What You Make	Sauder	MR 1:30-4:10pm	AC306	4	24	choose either AHSE or ENGR credit at time of registration; small waitlist available	
Crosslisted	ENGR3299 OR SCI2299	01	Special Topics in Design Engineering or Biological Sciences: Biomimicry	Linder, Huang	TF1:30-3:10pm	AC213	4	24	Register for ENGR3299 as design depth or SCI2299 as Advanced Bio; small waitlist	Available for Design Depth or Upper Level Bio; requires UOCD prereq and foundational bio; sataisfies elective in Sust Cert
Design	ENGR2250	01	User-Oriented Collaborative Design	Linder, Sarang-Sieminski, Hersey, TBD	MR 9:50-12:30pm	AC204 MH120	4	32	waitlist available	required for all sophomores
Design	ENGR2250	02	User-Oriented Collaborative Design	Linder, Sarang-Sieminski, Hersey, TBD	MR 9:50-12:30pm	AC206 MH120	4	32	waitlist available	required for all sophomores
Design	ENGR2250	03	User-Oriented Collaborative Design	Linder, Sarang-Sieminski, Hersey, TBD	MR 9:50-12:30pm	AC209 MH120	4	32	waitlist available	required for all sophomores
Design	ENGR3290	01	Affordable Design and Entrepreneurship	Linder, Hersey, Bida	T 3:30-6:30pm; R 3:30-5:30pm	AC213	4	15	Register for this course as design depth; waitlist available	Design Depth
Design	ENGR3299A	01	Special Topics in Design Engineering: Technology, Accessibility and Design	Ruvolo, Lynch	M 9-12:30pm; R 10:50-12:30pm	AC309	4	30	waitlist available	Design Depth
Design	ENGR3299B	01	Special Topics in Design Engineering: Return Design	Sauder	R 10:50-12:30pm + add'l studio time	n/a	4	7	Permission of Instructor req'd; **not available for open registration**	Design Depth; limited enrollment
Design	ENGR3299C	01	Special Topics in Design Engineering: Quantitative Engineering Design	Lee	MR 10:50-12:30pm	AC328	4	20		Design Depth OR ME elective; but not both; This offering is tentative based on enrollment.
E:Bio	~~ENGR3610~~	~~01~~	~~Biomedical Materials~~	~~Chachra~~	~~MR 10:50-12:30pm~~	~~AC406 AC409 AC417~~	~~4~~	~~18~~		ME Depth, E Bio Elective
E:C	ENGR2510	01	Software Design	Millner, Hill, Ruvolo	TF 1:30-3:10pm	AC326	4	30	waitlist available	
E:C	ENGR2510	02	Software Design	Millner, Hill, Ruvolo	TF 1:30-3:10pm	AC328	4	30	waitlist available	
E:C	ENGR3525	01	Software Systems	Downey	TF 9-10:40am	AC326	4	25	limited waitlist	

Area	Course #	Sec #	Course Title	Instructor	Time	Location	Credits	Enroll Limits	Registration Notes	Curriculum Notes
E:C	ENGR3599	01	Special Topics in Computing: Computer Networks	Morrow	TF 10:50-12:30pm; W 7-10pm lab	AC428	4	28		
E:C	ENGR3599A	01	Special Topics in Computing: Hacking the Library	Steele	MR 3:20-5:00pm	Library	4	20	small waitlist available	
E:C	ENGR3599B	01	Special Topics in Computing: Programming Languages	Pucella	R 1:30-4:00pm	AC128	4	30	small waitlist available	
E:Robo	ENGR3392	01	Robotics Systems Integration	Barrett	TF 10:50-12:30pm	AC128	4	30	small waitlist available	
ECE	ENGR2410	01	Signals and Systems	Mur-Miranda	TF 10:50-12:30pm	AC304	4	28		
ECE	ENGR2420	01	Intro Microelectronic Circuits with Lab	Minch	TF 1:30-3:10pm; F 9-10:40am	AC309	4	28	small waitlist available	
ENGR	ENGR1330	01	Fundamentals of Machine Shop Operations	Andruskiewicz	W 12:30-4:30pm	AC104	4	6		
ENGR	ENGR2199	01	Special Topics in Engineering : DREAM Designing Resources for Empowerm	Millner	W 1-3:10pm + add'l proj times (see registration note column for details)	AC213	4	28	additional project time/week required: students will schedule an additional weekly 60-90 min work session w/ instructors outside of the standard W meeting	
ENGR	ENGR2199A	01	Special Topics in Engineering : Temporary Autonomous Infrastructural Research Group	Chachra	MR 10:50-12:30p	AC417	4	15	Offered using Experimental Grading	
ENGR	ENGR3110	01	Elecanisms	Hoover, Minch	T 9-12:30p; F 10:50-12:30p	AC306	4	25	small waitlist available	
ENGR	~~ENGR3199~~	~~01~~	~~Special Topics in Engineering : Complex Systems Analysis~~	~~Coso Strong~~	~~MR 1:30-3:10pm~~	~~AC213~~	~~4~~	~~16~~	~~small waitlist available~~	
ENGR	ENGR4190	01-14	SCOPE: Senior Capstone Program in Engineering	Sarang-Sieminski, Coso Strong, Woodard, Michalka	W 9-6:00pm	varies	4	n/a	enroll in the same section number you are currently enrolled for Fall 2017	
ENGR	ENGR4290	01	Affordable Design and Entrepreneurship	Linder, Hersey, Bida	T 3:30-6:30pm; R 3:30-5:30pm	AC213	4	15	enroll in this course for the CAPSTONE option of ADE; waitlist available	CAPSTONE - priority granted to those continuing from fall
ENTRP	AHSE1515	01	Products and Markets	Neeley, Lynch, Chachra, Pratt	MR 1:30-4:10pm	AC318 AC326 AC328 MH120	4	90		
ENTRP	AHSE2515	01	Iterate	Neeley, Bowen	MR 9-10:40am	AC318	2	15	Session I; see Entrepreneurship concentration in catalog	
ENTRP	AHSE2515A	01	Iterate	Neeley, Bowen	MR 9-10:40am	AC318	2	15	Session II; see Entrepreneurship concentration in catalog	
ENTRP	AHSE3515	01	Launch	Neeley, Bowen	MR 9-10:40am	AC318	4	10		see Entrepreneurship concentration in catalog
Integrated	CIE2018A	01	Curriculum Innov Experiment: Quantitative Engineering Analysis I	Christianson, Geddes, Somerville, Dusek, Downey	MR 9-12:30pm	AC109	8	36	requires understanding and agreement of participation in the curricular experiment	4 MTH, 2 SCI and 2 ENGR credit breakdown

Area	Course #	Sec #	Course Title	Instructor	Time	Location	Credits	Enroll Limits	Registration Notes	Curriculum Notes
Integrated	CIE2018A	02	Curriculum Innov Experiment: Quantitative Engineering Analysis I	Christianson, Geddes, Somerville, Dusek, Downey	MR 9-12:30pm	AC113	8	36	requires understanding and agreement of participation in the curricular experiment	4 MTH, 2 SCI and 2 ENGR credit breakdown
Integrated	ENGR3531 / MTH2131	01	Data Science	Soares	MR 1:30-3:10pm	AC304	2+2	21	small waitlist available	Satisfies Prob/Stat requirement
Integrated	MTH2132 / SCI2032	01	Bayesian Inference and Reasoning	Mahajan	TF 10:50-12:30pm	AC328	2+2	48		Satisfies Prob/Stat requirement
ME	ENGR2320	01	Mechanics of Solids and Structures	Lee	TF 9-10:40am; W 9:30-10:30am	AC328	4	42		
ME	ENGR2330	01	Introduction to Mechanical Prototyping	Barrett, Faas	TF 9-10:40am	AC128	4	35	small waitlist available	
ME	ENGR2350	01	Thermodynamics	Storey	TF 1:30-3:10pm	AC318	4	28		
MTH	MTH2210	01	Linearity I	Hoffman	MR 10:50-12:30pm; W 9-10:40am	AC326	4	30		required for non QEA first year students
MTH	MTH3120	01	Partial Differential Equations	Hoffman	MR 1:30-3:10pm	AC417	4	32		Advanced Math
MTH	MTH3199	01	Special Topics in Mathematics: Nonlinear Systems Laboratory	Geddes, Storey	MR 1:30-3:10pm	AC428	4	24	waitlist available	Advanced Math for ME and others as applicable
SCI	SCI1130	01	Mechanics	Mahajan	MR 9-10:40am	AC328	4	28		Satisfies Physics foundation requirement
SCI	SCI1210	01	Principles of Modern Biology: Through the Lens of Human Disease	Wasylenko	TF 1:30-3:10pm	AC417	4	36	enroll in one of the two lab sections along with the lecture	Foundational biology topic
SCI	SCI1210 L	L1	Principles of Modern Biology LAB	Wasylenko	T 3:20-6:00pm	AC406	0	18		
SCI	SCI1210 L	L2	Principles of Modern Biology LAB	Wasylenko	W 3:20-6:00pm	AC406	0	18		
SCI	SCI1410	B1	Materials Science and Solid State Chemistry (with laboratory): Environmental and Societal Impacts	Stolk	TW 3:20-6:00pm	AC413	4	21		
SCI	SCI1410	02	Materials Science and Solid State Chemistry (with laboratory): Deliberately Relevant for Engineers	Neal	MR 3:20-6:00pm	AC413	4	21		
SCI	SCI2130	01	Quantum Physics	Holt	TF 1:30-3:10pm	AC109	4	15		may satisfy the Physics foundation with permission
SCI	SCI2140	01	Relativity	Holt	TF 10:50-12:30pm	AC109	2	15	Session I: 1/2 Session Offering	
SUST	SUST3301	01	Sustainability Synthesis	Wood	R 3:30-6:30pm	AC417	4	15		Capstone course to Sustainability Certificate

Area	Course #	Sec #	Course Title	Instructor	Time	Location	Credits	Enroll Limits	Registration Notes	Curriculum Notes
ADMN	AWAY1000	01	The Study Away Program	Administration	n/a	n/a	4	n/a	enroll in this course if you will be studying away in the spring 2017 semester	
ADMN	OIP1000	01	Olin Internship Practicum	Phelps	n/a	n/a	1	n/a	See Post Graduate Planning to Enroll	required for international student with internships

Color Key-Offering Blocks: ECE | ME | ENGR / DSN Courses | OIE or Genl Req

Monday

9:00 AM – 10:40 AM

- CIE2018A-01 & 02 — Quantitative Engineering Analysis I — MR 9-12:30pm — AC109 and 113
- ENGR 2250 Sec 01, 02, 03 User-Oriented Collaborative Design 9:50-12:30p — AC 204, 206, 209 MH120
- AHSE 2515, 2515A, and 3515 — Iterate Launch — AC318
- SCI 1130 Mechanics — AC328
- ENGR 3299A Tech Access & Design — M 9-12:30; R 10:50-12:30p — AC 309
- AHSE 4190 AHS Capstone — 9:10-10:40a — AC417

10:50 AM – 12:30 PM

- MTH 2210 Linearity I — MR 10:50a and W 9:00a — AC326
- ENGR 3610 Biomedical Materials AC406, 409, 417
- ENGR 3299C Spec Top Design Engr: Quant Engr Dsn — AC328
- ENGR 2199 Spec Top Engr: Temp Autonomous Infrastrct Research AC417

1:30 PM – 3:10 PM

- AHSE 1515 All Sections — Products & Markets — MR 1:30-4:10p — AC318 AC326 AC328 MH120
- ENGR 3199 Spec Top Engr: Complex Systems Analysis — AC213
- MTH 2131 & ENGR 3531: — Data Science — AC304
- MTH 3199 Spec Top: Nonlinear Systems Lab — AC428
- MTH 3120 Partial Differential Equations — AC417
- AHSE2199 or ENGR 2299 Spec Top: — Tell the Story of What You Make — MR 1:30-4:10 — AC306

3:20 PM – 6:00 PM

- SCI 1410 - 02 — Materials Science and Solid State Chemistry: Deliberately Relevant for Engineers — AC413
- ENGR 3599A Spec Top Computing: Hacking the Library — Library

6:00 PM ----> 9:00:00 PM

Tuesday

9:00 AM – 10:40 AM

- ENGR 2320 Mechanics Solids Structures — TF 9-10:40 + W 9:30 — AC328
- ENGR 2330 — Mechanical Prototyping — AC128
- ENGR 3110 — Elecanisms — T 9-12:30; F 10:50-12:30p — AC 306
- ENGR 3525 — Software Systems — AC326

10:50 AM – 12:30 PM

- MTH 2132/SCI 2032 Bayesian Inference & Reasoning — AC328
- ENGR 2410 — Signals and Systems — AC304
- SCI 2140 Relativity — Session I — AC109
- AHSE 2112 Six Books that Chg'd the World — SESS I — AC417
- AHSE 2114 Science Fiction: Hist Context — SESS II — AC417
- ENGR 3599 Spec Top Computing: Computer Networks AC428
- ENGR 3392 Robotics Systems Integration — AC128

1:30 PM – 3:10 PM

- ENGR 2420 Intro MicroElectronic Circuits — TF 1:30 & F 9am AC309
- SCI 2130 Quantum Physics — AC109
- ENGR 2510, sec 01 — Software Design — AC326
- ENGR 2510, sec 02 — Software Design — AC328
- ENGR 2350 — Thermodynamics — AC318
- SCI 1210 Prin of Modern Biology — AC417
- ENGR3299 OR SCI2299: Spec Top: Biomimicry — AC213

3:20 PM – 6:00 PM

- SCI 1410 - B1 — Materials Science and Solid State Chemistry: Envt'l and Societal Impacts — AC413
- ENGR 3290 and 4290 Affordable Design & E! — Tues 3:30-6:30p Thurs 3:30-5:30p — AC213
- SCI 1210 L-L1 Prin of Modern Biology — LAB — AC406

Wednesday

9:00 AM – 10:40 AM

- MTH 2210 Linearity I — MR 10:50a and W 9:00a — AC326
- ENGR 2320 Mechanics Solids Structures — TF 9-10:40 + M 9:30:-10:30a — AC328

10:50 AM – 12:30 PM

- Open Meeting Time

1:30 PM – 3:10 PM

- ENGR 2199 Spec Topic Engr: DREAM — W 1-3:10pm (add't lab time tbd) — AC213

3:20 PM – 6:00 PM

- SCI 1410 - B1 — Materials Science and Solid State Chemistry: Envt'l and Societal Impacts — AC413
- SCI 1210_L-L2 Prin of Modern Biology — LAB — AC406
- ENGR 3599 Spec Top Computing: Computer Networks AC428

6:00 PM ----> 9:00:00 PM

- ENGR 1330 Fnd Machine Shop Oper — 12:30-4:30p — AC104

SCOPE

- SCOPE — ENGR 4190

AHSE | SCI | Math | INTEGRATED OFFERING (colored via discipline blending) | Color Key-Offering Blocks

Thursday

- CIE2018A-01 & 02 — Quantitative Engineering Analysis I — MR 9-12:30pm — AC109 and 113
- ENGR 2250 Sec 01, 02, 03 — User-Oriented Collaborative Design — 9:50-12:30p — AC 204, 206, 209 MH120
- AHSE 2515, 2515A, and 3515 — Iterate Launch — AC318
- SCI 1130 Mechanics — AC328
- MTH 2210 — Linearity I — MR 10:50a and W 9:00a — AC326
- ENGR 3299A Tech Assist & Design — M 9-12:30; R 10:50-12:30p — AC 309
- ~~ENGR 3610 Biomedical Materials — AC406, 409, 417~~
- ENGR 3299C Spec Top Design Engr: Quant Engr Dsn — AC328
- ENGR 3299B Spec Top Design Engr: Return Design — perm of Instr req'd
- ENGR 2199 Spec Top Engr: Temp Autonomous Infrastrct Research — AC417

- AHSE 1515 All Sections — Products & Markets — MR 1:30-4:10p — AC318 AC326 AC328 MH120
- ~~ENGR 3199 Spec Top Engr: Complex Systems Analysis~~ — AC213
- MTH 2131 & ENGR 3531: — Data Science — AC304
- MTH 3199 Spec Top: Nonlinear Systems Lab — AC428
- MTH 3120 Partial Differential Equations — AC417
- ENGR 3599B Spec Topics in Computing: Programming Languages — R 1:30-4pm — AC128
- AHSE2199 or ENGR 2299 Spec Top: — Tell the Story of What You Make — MR 1:30-4:10 — AC306
- SCI 1410-02 — Materials Science and Solid State Chemistry: Deliberately Relevant for Engineers — AC413
- ENGR 3290 4290 Affordable Design & E! — T 3:30-6:30p R 3:30-5:30p — AC213
- ENGR 3599A Spec Top Computing: Hacking the Library — Library
- SUST3301 — Sustain-ability Synthesis — 3:30-6:30 — AC417
- AHSE 0112 Olin Conductorless Orchestra — 6:45-9pm — AC318; AC328

Friday

- ENGR 2320 Mechanics Solids Structures — TF 9-10:40a + W 9:30 — AC328
- ENGR 2330 — Mechanical Prototyping — AC128
- ENGR 2420 Intro MicroElectronic Circuits — TF 1:30 & F 9am — AC309
- ENGR 3525 — Software Systems — AC326
- MTH 2132/SCI 2032 Bayesian Inference & Reasoning — AC328
- ENGR 2410 — Signals and Systems — AC304
- ENGR 3110 Elecanisms — T 9-12:30; F 10:50-12:30p — AC 306
- SCI 2140 Relativity — Session I — AC109
- AHSE 2112 Six Books that Chg'd the World — SESS I AC417
- AHSE 2114 Science Fiction: Hist Context — SESS II — AC417
- ENGR 3599 Spec Top Computing: Computer Networks — AC428
- ENGR 3392 — Robotics Systems Integration — AC128
- ENGR 2420 Intro MicroElectronic Circuits — TF 1:30 & F 9am — AC309
- SCI 2130 Quantum Physics — AC109
- ENGR 2510, sec 01 — Software Design — AC326
- ENGR 2510, sec 02 — Software Design — AC328
- ENGR 2350 — Thermodynamics — AC318
- SCI 1210 Prin of Modern Biology — AC417
- ENGR3299 OR SCI2299: Spec Top: Biomimicry — AC213

"Do Something" Dedicated Time

9:00 AM
10:40 AM
10:50 AM
12:30 PM
1:30 PM
3:10 PM
3:20 PM
5:00 PM
6:00 PM
9:00:00 PM