**CO-CURRICULARS**
**FALL SEMESTER 2015-16**

*Registration* for Co-curricular Offerings will begin at noon on **TUESDAY, SEPTEMBER 8, 2015** and continue through September 17, 2015. Registration for these offerings takes place after course registration and the first day of classes. The intent is to make sure students have a sense of their academic time commitments prior to taking on more activities with co-curriculars. You can register during the ‘add period’ via the on-line system 'my.olin'. Use the “course” number and section listed with the title.

**Co-Curricular Etiquette:**  (1) in order to give all students a reasonable chance to register for co-curriculars, please limit your choices to no more than two, (2) don't register unless you are serious about attending, and (3) if you decide to drop out, notify the staff or faculty sponsor by e-mail.

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**Unbusy: The Practice and Science of Meditation**
NOTE change of time and venue
Sara Hendren

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**CC175-01**

**Ace the Technical Interview**

Faculty and staff sponsors: Jessica Townsend and Sally Phelps

Go into your technical interview this fall with CONFIDENCE. PGP will host a series of information sessions with alumni and recruiters from some of our strongest employers – Facebook, Microsoft, Google, Bose, Spacex, Onshape and Los Alamos Technical Labs. Each will share the details of their technical interview process, including what type of skills they are seeking, how to prepare, and what they are looking for in their candidates. Schedule to be announced in early fall.

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**CC169-01**

**Adventures in Entrepreneurship**

Faculty sponsor: Lawrence Neeley

Description: Entrepreneurship is about exploring, seizing and realizing opportunities to create and share amazing new ideas, experiences and products! Let’s do that together. With snacks.

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**CC167-01**

**Collaboratory Conversations**

Faculty and staff sponsors: Lynn Andrea Stein and Sharon Breitbart

One of Olin's Founding Precepts is to be “an important and constant contributor to the advancement of engineering education in America and throughout the world.” The Collaboratory is how we do that. Join us for a discussion of the role of students in our external engagement, with visitors, and as collaborative partners. Open to all, whether you are currently involved with Collaboratory efforts or not. The meeting time has been tentatively set for Mondays 12:30-1:30.
CC41-01
Crafting
Sponsor: Lynsey Vanderbeck

Are you interested in crafting? Do you want to bring your creations to market? Would you like to meet and chat with small, crafty, business owners? Join Lynsey for some evenings of creative fun and good conversation. No experience necessary, just a passion for creating and making.

CC177-01
Curriculum Development: Modeling and Analysis
Faculty sponsors: John Geddes et al.

We have been working on a curriculum innovation project this summer to develop a framework and set of classroom experiences at Olin on modeling and analysis. We ran a couple of workshops this summer with faculty and students, and using the results of those we have developed a tentative plan for a first course in the spring. We would love your help to test out some of these ideas. If you are interested in helping us build a better experience please consider joining this co-curricular.

CC146-01
Curriculum Innovation Co-curricular
Faculty and staff sponsors: Jessica Townsend, Linda Canavan

Students in this co-curricular will focus on exploring, creating and piloting opportunities for direct student involvement in curriculum innovation at Olin. The actual experiments will be defined and driven by students in the co-curricular. In the Fall 2015 co-curricular we will also carve out some of our time together for a reading group to incorporate outside perspectives and ideas into our work. Meeting time is TBD, but the most likely time is Fridays at 3:20 pm.

CC163-01
DoML
Faculty sponsor: Paul Ruvolo

Come learn about the exciting field of machine learning! Machine learning combines ideas from statistics, optimization, and probability theory to allow computers to learn to perform complex tasks from data. While some of the mathematics can be intimidating, there are a host of amazing tools that can ease you into the subject and allow you to do interesting projects without getting hung up in the equations. This semester, machine learning enthusiasts from Olin will work on projects in robotics, computer vision, and more! If you are a beginner, you can still be a part of this. In this case, expect to learn through a combination of informal lessons and by jumping in and getting your feet wet working on a project.

Time: Tuesdays 6-8pm in AC 417 (first meeting is September 8th)

CC135-01
From Couch to 5K: Training for a Race
Staff sponsor: Alison Black

Limited to 20 students.

Get off the couch and on to the roads! If you have ever wanted to run a 5K race, now is your chance. We’ll follow a specialized training schedule that will have you running 3 miles in 2 months. The training involves 3 days of walking/running per week for about 20-30 minutes each time. We will also meet 3-4 times during the semester to share training progress and tips. Our goal will be a 5K race towards the end of the semester, to be selected by the members of the co-curricular. At least half of your race registration fee will be paid for through the co-curricular program. Walkers welcome. Let’s get moving!

CC150-01
Grad School 101 (or Everything You Wanted to Know about Grad School but Were Afraid to Ask)
Faculty and staff sponsors: Maruta Vitols and Aarti Chellakere

Join Aarti and Maruta in discussions with alumni and faculty regarding all things concerning graduate school. Should I go? Master’s or PhD? When do I need to start thinking about this? How do I learn about different programs? GREs? GMATs? All these questions and more will be answered in this series of sessions with Aarti, Maruta and several visiting faculty and alumni.

Meeting times and Topics for Discussion:
12:30pm-1:30pm (in the Crescent Room, Campus Center) on the following Tuesdays:
1) September 15: Is grad school a good choice for you? Should you go right after graduating from Olin? What is it like going back to grad school after working for a while?
2) September 29: How to identify potential good fits in terms of programs and schools
3) October 6: Applying to schools/programs - asking for recommendation letters, writing essays, and finding funding
4) October 20: So you’re accepted — now what? Choosing the right school/program for you
5) November 3: Surviving Grad School — Worst case scenarios and how to get through them
6) November 17: Transitioning from grad school to the work force

CC16-01
Innovative Additive Manufacturing 3D Challenge
Faculty sponsor: Chris Lee

Put your design skills to the test. The American Society of Mechanical Engineers (ASME) is holding its third annual Innovative Additive Manufacturing 3D Challenge in the broad space of re-engineering an existing product or designing a new product that minimizes energy consumption and/or improves energy efficiency. Requirements include fabricating a prototype using (in part) 3D printing. You’ll have the opportunity and support to work individually or as part of team to prepare an entry for the competition.

Follow the link for complete details: https://www.asme.org/events/competitions/iam3d-challenge

CC103-01
Natural Resource Modeling
Faculty sponsor: John Geddes

Are you interested in the sustainable management of natural resources? Would you like to help develop a new course in this area, with a focus on the development and analysis of mathematical models as tools for resource management and policy development? Application areas might include: renewable and exhaustible resources, terrestrial and marine resources, energy, land and soils, water resources, problems of pollution and residuals, managed biological populations, agriculture and fisheries, rangeland and forest, wildlife and wilderness, preservation of endangered species and of genetic diversity.

The course will be run like a book club, meeting once per week to read, review, and discuss articles from various journals.

CC108-01
Olin Composting Project
Staff sponsor: Nick Tatar

Limited to 12 students

Want to help make Olin more green and enjoy getting your hands dirty? This spring we’ll need twelve dedicated souls to help keep 3,000 lbs of food waste out of the landfill by composting food prep waste from the Dining Hall. Last year we composted two tons of food waste and saved Olin some $2,000 in waste management fees, all while supporting Olin’s vegetable and herb garden. In this Co-Curricular Offering you’ll carry compost from the Dining Hall to our composting bins in Parcel B, collect data about what we’re composting, and work the compost pile over until it breaks down into dirt. If you like manual labor and working in the garden, this is the Co-Curricular Offering for you! Time commitment: ~30 minutes, one day a week.

CC122-01
Local Massachusetts History
Staff sponsor: A.J. Pave

Limited to 6 students

Do you want to learn more about the State you go to school in? Come along on for visits to local historic sites like Walden Pond, Boston, and others.
CC67-01
Olin Does the BSO
Faculty sponsor: Diana Dabby

Limited to 3 students to accompany Professor Dabby

Here’s your chance to hear the Boston Symphony Orchestra live at Symphony Hall on the following evenings:

Friday, October 16, 2015 at 8pm
Andris Nelsons, conductor
Nadezhda Serdyuk, mezzo-soprano
Tanglewood Festival Chorus

PROKOFIEV Alexander Nevsky, Cantata
RACHMANINOFF Symphonic Dances

Friday, November 13, 2015 at 8pm
Christoph von Dohnányi, conductor
Martin Helmchen, piano

NEUBURGER Aube (world premiere; BSO commission)
BARTÓK Music for Strings, Percussion, and Celesta
BEETHOVEN Piano Concerto No. 5, Emperor

Friday, April 1, 2016 at 8pm
Bernard Haitink, conductor
Murray Perahia, piano

BEETHOVEN Piano Concerto No. 4
MAHLER Symphony No. 1

CC160-01
Olin Workshop on the Library (OWL)
Faculty/staff sponsors: Aaron Hoover, Jeff Goldenson

Welcome all! OWL is a creative, collaborative time you can carve out of your life here at Olin to imagine and execute fun & exciting projects that are designed to impact the larger community. Previous projects that have emerged from OWL include the The ACRONYM (pop-up coffee shop) and the recently completed OWL Summer Design/Build Program. In the larger institutional context, the Olin Library is undergoing a large physical and cultural transformation led by Aaron & Jeff. This is an opportunity to get involved and shape our future. All welcome, first years to final years. Meetings will take place Thursday evenings in the Library.

CC18-01
Photography and Videography
Staff sponsor: Nick Tatar

Limited to 6 students.

In this co-curricular you’ll be working closely with Michael Maloney, who has done everything from taking pictures of sitting U.S. Presidents to helping Olin student start-ups get their projects off the ground by taking world class photos and video of their projects. Regular one-on-one meetings with Mike will be structured around your level of experience and area of interest.

CC178-01
Olin’s Finances
Staff sponsor: Patty Gallagher

This co-curricular will strive to give you a good basic understanding of Olin’s finances. How is the endowment invested? How much do we draw from the endowment each year and why? Why is the 12-quarter trailing average of the endowment important? How does the budgeting process work? Why does Olin have debt? Is Olin financially sound and sustainable? Why is philanthropy important to Olin? Bring your questions, and additional topics will be added based on group interest.

Day/time/location TBD. Possibly to be held at lunchtime (bring your own lunch).

CC105-01
Pickles and Jams
Faculty sponsor: Jean Huang

Limited to 15 students.

Do you have a penchant for pickles? If so, join us for this co-curricular where we will make our own naturally fermented foods. We will test, sample and tweak a variety of recipes for dill pickles, sauerkraut, mustard, kimchee, jams and pickled fruits and vegetables. We will learn techniques of safe canning to save the foods we make through the cold New England winter! This co-curricular will conclude with a Pickle Party.
CC77-01
Play with Clay
Faculty sponsor: Mark Somerville

Limited to 9 students.

If anything is "do-learn," and "hands-on," it's pottery. Mark will host a very laid-back pottery "class" at Babson's pottery studio. Whether you've done pottery before, or you'd like to learn, this is an opportunity to get your hands muddy while you produce anything from a pencil holder to a teapot. We will meet on Thursdays, from about 6:30-8:30 p.m. There is a studio fee of about $85 per person, which covers all the materials and firings.

CC102-01
Sustainable Beekeeping
Faculty sponsor: Benjamin Linder

Learn sustainable beekeeping practices while working in the Olin apiary and running "Parcel Bees," the Olin honey CSA (Community Supported Agriculture) through which Olin alums buy shares in the annual harvest. Participants learn to handle honey bees, make observations of bee behavior, practice sustainable hive management techniques, fabricate equipment, harvest and process honey, process wax and make candles. Multi-semester participation is encouraged. Participants are required to attend 8 or more sessions per semester. Open to students, faculty and staff.

CC179-01
Tinkerers, Superheroes, Evil Geniuses: Exploring our understanding of practicing engineers
Faculty sponsor: Alexandra Coso Strong

Limited to 16 students.

Tony Stark (aka Iron Man), NASA's Mission Control, Abby Sciuto from NCIS, Geordi La Forge from Star Trek. Who would you consider an engineer? Why? What makes someone an engineer? This co-curricular aims to explore engineering practice and the skills and knowledge necessary to be considered an engineer. In our weekly sessions, we will explore not only our own perceptions of engineers, but also those stereotypes suggested by society, specifically Hollywood. From deconstructing scenes from Back to the Future to examining the characters of Eureka, we will construct a series of profiles of engineers and engineering practices. This co-curricular will also serve as an introduction to and springboard for Alexandra's research on engineering practice and college-to-work transitions.

CC83-01
Unbusy: The Practice and Science of Meditation
Faculty sponsor: Sara Hendren

This is an open weekly 30 minute silent meditation held on Fridays at 12:30 in the AC Memorial Lounge (20 minute meditation, 10 minutes of open discussion.) You don't have to sign up for the co-curricular to join us on any given week. But if you do, you'll get on the mailing list and the benefit of our collecting some of the ample research showing meditation's salutary effect on health, productivity, and wellbeing. I know, I know—you're *too busy.* But the science also shows that regular meditation can dramatically improve the quality of your work time and ideas. Often busy-ness creates diminishing returns. Come try it! Note that meditation is NOT a set of beliefs; it's complementary to any religion or the absence thereof.

We meet each week at 12:30, runs till 1. We'll try to engage a guest expert or two to join us at some point(s). Every week or other week, one member of the group will find and email some article of interest on the science of meditation for daily life. We'll talk about the research online and before/after the session, as time allows.