**CO-CURRICULARS**  
**SPRING SEMESTER 2019-20**

Registration for Co-curricular Offerings will begin at noon on Thursday, January 23, 2020, and continue through February 4, 2020. 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 portal. 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 and the Registrar's Office by e-mail.

<table>
<thead>
<tr>
<th>Co-Curricular Number, Section</th>
<th>Co-Curricular Title</th>
<th>Staff/Faculty Sponsor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC1306-01</td>
<td>Advanced Fabrication</td>
<td>Nathan Cantrell</td>
</tr>
<tr>
<td>CC1004-01</td>
<td>“As Seen on Instructables”</td>
<td>Lucas Ewing</td>
</tr>
<tr>
<td>CC1307-01</td>
<td>Design and Fabrication of Bicycle Frames</td>
<td>Aaron Hoover</td>
</tr>
<tr>
<td>CC1007-01</td>
<td>E-Origami</td>
<td>Brad Minch</td>
</tr>
<tr>
<td>CC1807-01</td>
<td>Follow the Money</td>
<td>Patty Gallagher, Bob Murray</td>
</tr>
<tr>
<td>CC1602-01</td>
<td>Fondue-it-Yourself</td>
<td>Steve Matsumoto</td>
</tr>
<tr>
<td>CC1006-01</td>
<td>Geometric Soft Sculpture from Recycled Textiles</td>
<td>Emily Tow</td>
</tr>
<tr>
<td>CC1804-01</td>
<td>How to be an Adult</td>
<td>Krystal Burgos, Alia Georges</td>
</tr>
<tr>
<td>CC1304-01</td>
<td>Identity and Engineering</td>
<td>Alisha Sarang-Sieminski et al.</td>
</tr>
<tr>
<td>CC1805-01</td>
<td>It’s All Fun and Games…</td>
<td>Sarah Spence Adams</td>
</tr>
<tr>
<td>CC1806-01</td>
<td>K12 Outreach</td>
<td>Sarah Spence Adams</td>
</tr>
<tr>
<td>CC1503-01</td>
<td>Libraries Empowering Communities with Tech Innovation (LECTI)</td>
<td>Callan Bignoni, Maggie Anderson, Mckenzie Mullen</td>
</tr>
<tr>
<td>CC1308-01</td>
<td>Makeover Monday: Data Visualization with Tableau</td>
<td>Rebecca Mathews</td>
</tr>
<tr>
<td>CC1903-01</td>
<td>Olin Does the BSO</td>
<td>Diana Dabby</td>
</tr>
<tr>
<td>CC1001-01</td>
<td>Play with Clay</td>
<td>Mark Somerville</td>
</tr>
<tr>
<td>CC1201-01</td>
<td>Storytelling with Podcasts</td>
<td>Gillian Epstein, Anne Marie Dorning</td>
</tr>
<tr>
<td>CC1701-01</td>
<td>Sustainable Beekeeping</td>
<td>Benjamin Linder</td>
</tr>
<tr>
<td>CC1904-01</td>
<td>The Music of Our Lives</td>
<td>Adva Waranyuwat</td>
</tr>
</tbody>
</table>
CC1306-01
Advanced Fabrication
Faculty sponsor: Nathan Cantrell

Limited to 5 students who have had basic MIG and/or TIG training

This co-curricular will utilize some of the advanced capabilities of Olin’s fabrication equipment. These would be things not covered in the current training regime and set time for students to increase their holistic understanding of how metal components interact with each other when fabricated with different techniques.

The format will be a combination of classroom lectures and shop time demonstrating what was covered in class. We will meet once a week, time TBD.

The class will cover some if not all of:
- Weld distortion
- TIG welding with the pulser
- Welding thin materials
- Mig welding with the pulser
- Spray transfer MIG welding
- Introduction to weld fixturing
- Inert gas coverage of welds
- Flame straightening of shafts with the oxy acetylene torch
- Interfacing/fabricating machined and welded components

CC1307-01
Design and Fabrication of Bicycle Frames
Faculty sponsor: Aaron Hoover

Limited to 6 students.

We will learn about different aspects of frame design (geometry for riding style/terrain, materials selection, etc.), design our own steel frames from scratch, and fabricate them in Olin’s shop. You can expect to come away with a basic understanding of frame design and introductory skills in fabrication including oxy-acetylene brazing, and some basic metal machining. We will meet weekly (most likely on a Monday or Thursday morning). You do not need to have any experience beyond green machine training to participate.

CC1004-01
“As Seen on Instructables”
Faculty sponsor: Lucas Ewing

Limited to 5 students.

Exercise your creative muscles with some DIY projects inspired by YouTube/Instagram/Pinterest/Instructables! Explore resin casting, CNC carving, wood turning, and more! Preserve some nature, turn a pen, carve a topographical map, make some concrete planters, or find a project of your choice (preferably something you’ve never done before). Wood shop and shopbot training preferred, but not required, as some people may not need them at all. Training will be provided if needed. We’ll meet for 3 hours/wk on Tuesday afternoons, probably 4-7, but time is flexible. Contact the instructor if interested in signing up for a Passionate Pursuit as an alternative.

CC1807-01
Follow the Money
Staff sponsors: Patty Gallagher, Bob Murray

What would it take to bring back the full tuition scholarship? How can we afford to grow the faculty? Why is the 12-quarter trailing average of the endowment important? How is the annual budget created? Join Olin’s Chief Financial Officer, Patty Gallagher, and Olin’s Director of Budget and Financial Planning, Bob Murray, in a weekly co-curricular to learn about Olin’s finances and help design a communication plan to engage the entire Olin community. You’ll learn about the endowment, Olin’s revenues and expenses, and why Olin has debt. Bring your questions and ideas about what you’re interested in, and additional topics will be added based on group interest.
CC1602-01
Fondue-it-Yourself
Faculty sponsor: Steve Matsumoto

Limited to 12 students.

As the title suggests, this will be a very cheesy co-curricular. We will explore the world of (mostly cheese) fondue by learning about, experimenting with, and of course, eating, various fondues. Traditional fondue typically consists of a base liquid (e.g., wine, broth, or oil), a thickener (e.g., cornstarch), cheeses (e.g., Gruyere), spices (e.g., nutmeg), and dipping items (e.g., bread or potatoes). Each session will consist of a short experiment in one of these areas, such as finding the flavors and melting point of a particular cheese, and will end with us trying a new fondue recipe. Note: due to supply and budget constraints, each session will have a sign-up sheet beforehand and be limited to 12 people.

CC1006-01
Geometric Soft Sculpture from Recycled Textiles
Faculty sponsor: Emily Tow

Limited to 10 students.

Explore geometry and make soft sculptures using recycled fabrics. We’ll start by making stuffed shapes based on Platonic solids, where each face is replaced by a 3-D shape. After that, we’ll experiment with different ways of making geometry-inspired soft sculptures: stellated polyhedra, hyperbolic tilings, knots, or new forms imagined by you! Last semester, we even made a rat ball. Sewing skills are not required; you can learn by doing. Meets Fridays 2:30-4:30 (OK to come for part of the time if you have a conflict) in the library near the sewing machines.

CC1804-01
How to be an Adult
Staff sponsors: Krystal Burgos, Alia Georges

Does adulting scare you? Do you feel overwhelmed by the idea of taking care of yourself, keeping up a home, dealing with your money, fixing things when they break, caring for a car/bike/pet/tattoo/plant/piercing, and the other things adults have to deal with on a day-to-day basis?

Krystal and Alia, two award-winning Certified Grown Folks, are here to help. We didn’t get our certifications from some fancy university; we’ve figured it out over the years through trial and error, research, and help from others…and like you, we’re still figuring it out! This class will be part hands-on learning, part nurturing (Alia) and tough love (Krystal), and part special guest speakers from other adults around campus. Topics will be determined together with the participants based on what YOU want to learn. Stress less, have fun, and become the adult you want to be!

CC1304-01
Identity and Engineering
Faculty sponsors: Alisha Sarang-Sieminski and a rotating amazing group of faculty and staff

What is it like to be an engineer? What is it like to be an engineering student? What does an engineer look like? Who is an an engineer? How do we experience these identity questions differently depending on our own sense of ourselves? How do gender, race, sexual orientation, class, dis/ability play into this?

This Co-Curricular offering focuses on broad questions of engineering, of identity, and of real and perceived connections between them. We have some ideas of concepts and frameworks we want to talk about (i.e. schemas, microaggressions, the power of language) and also want to hear from participants about what they want to talk about. We will recommend brief readings or videos to engage with before each session. Discussions are informal and very experientially based. Even if you’ve participated before, we encourage you to return!

Note that the relationship between identity and engineering affects everyone in engineering, and all are welcome to participate. Meeting time TBD.

CC1805-01
It’s All Fun and Games…
Faculty sponsor: Sarah Spence Adams

…until someone learns some math. Let’s play some board/card games that covertly or overtly teach mathematical concepts, analyze what aspects of the games are engaging, and eventually dream up new games that playfully
teach some mathematical concepts and/or reasoning skills.

We might learn some game design principles, there might be some opportunities to playtest existing and new games with local youth, and you might actually be co-designing a potential new math/design course for next year, but minimally, we will play some games and think about new ones.

We will meet approximately one hour a week at a time convenient to the majority of interested students. (If there is a lot of overlapping interest with the “K12 Outreach” co-curricular, we could run each one on alternating weeks.)

CC1806-01
K12 Outreach
Faculty sponsor: Sarah Spence Adams

How might Olin students (and perhaps faculty and staff) engage and inspire local youth through activities, workshops, or other outreach initiatives? How might we share our passions in engineering, design, teamwork, math, science, etc.? Based on the interests of the students who sign up, this co-curricular could range from speculative conversations about future engagements to prototyping actual outreach activities. (If there is a lot of overlapping interest with the “It’s all fun and games… until someone learns some math” co-curricular, we could run each one on alternating weeks.)

CC1503-01
Libraries Empowering Communities with Tech & Innovation (LECTI)
Staff sponsors: Maggie Anderson, Callan Bignoli, Mckenzie Mullen

Limited to 12 students.

Did you know you can learn how to 3D print, become an English tutor, sew, digitize old photos, help folks study for citizenship tests, and borrow an infrared meat thermometer or a Nintendo Switch all in one place in your community? Public libraries are busier than ever and pushing the services and experiences they offer to a whole new level in 2020. They are vital resources for literacy, learning, and technology help in a time when social infrastructure is increasingly underfunded and public spaces are few and far between. Join your Olin librarians on a tour of public libraries throughout Massachusetts where staff and community members are reimagining the resources they can provide and doing good in the world every day.

CC1308-01
Makeover Monday: Data Visualization with Tableau
Staff sponsor: Rebecca Mathews

Limited to 12 students.

Makeover Monday is a free worldwide event where participants reimagine a public data set. (See https://www.makeovermonday.co.uk/ for details.) At Olin we will meet four Mondays this spring to participate in Makeover Monday, while learning about Tableau and best practices in data visualization. No prior knowledge of Tableau is required. By the end of the co-curricular you will learn how to install Tableau, connect to a data set, build a visualization, and share your work on the Tableau Public Website. The software is available for free download to students at https://www.tableau.com/academic/students; please install it before the first meeting. Data sets will be posted Monday mornings at https://www.makeovermonday.co.uk/data/.

Bring your lunch and join us between 12-2 pm February 3 and 10, and March 2 and 9, location TBD.

CC1903-01
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:

APR 11
SATURDAY, 8:00 PM
Andris Nelsons conducts WAGNER Tristan und Isolde, Act III

APR 17
Casual Fridays, 8:00 PM
Andris Nelsons conducts Saint-Saëns, Bartók, and Rachmaninoff featuring BSO principal cellist Blaise Déjardin
Symphony Hall
APR 25
SATURDAY, 8:00 PM
Constantinos Carydis conducts Kodály, Prokofiev, Koukos, and Beethoven featuring violinist Midori

CC1001-01
Play with Clay
Faculty sponsor: Mark Somerville

Limited to 7 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 (financial assistance available), which covers all the materials and firings.

CC1201-01
Storytelling with Podcasts
Faculty/staff sponsors: Gillian Epstein and Anne-Marie Dorning

Limited to 6 students.

What happens when a journalist, a storyteller, and fabulous Olin students join creative forces? The dream is that we develop, record, send out for professional production, and release podcast episodes--each centered around a particular theme that we select as a group. Love podcasting? Love stories? Have ideas for themes that matter to you in your life and work at Olin and beyond? Come make the dream a reality, and join us to experiment with sharing our stories in new ways with new audiences! This co-curricular will offer lots of experimentation and lots of creative support, from brainstorming to editing--no experience with podcasting or storytelling necessary.

CC1701-01
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 natural hive management techniques, fabricate equipment, harvest honey, and make candles. Full participants receive a share of honey. Open to students, faculty and staff.

CC1904-01
The Music of Our Lives
Staff sponsor: Adva Waranyuwat, with facilitators Shyheim Russell & Niyi Owolabi

Limited to 10 students

Music, particularly music that narrates or represents your childhood or current lives, can provide powerful insights into who you were and are. As a group, we will ask two participants each session to pick two songs each to share with the group. These songs should define or explain some part of your experience or identity, either from the past or how you see yourself today. We will listen to the song[s] together and discuss the lyrics. The goal of this co-curricular is to enjoy each other’s company, deepen our understanding of each other, and share our lives together through music!

We hope to meet once every other week. Self-care is important to both of us and should be important to everyone, so we will adjust the schedule as needed throughout the semester!