

CO-CURRICULARS

SPRING SEMESTER 2022-23

Registration for Co-curricular Offerings will begin at 12:30PM on Friday, January 20TH, and continue through February 1, 2023. 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.

Co-Curricular Number, Section	Co-Curricular Title	Staff/Faculty Sponsor(s)
CC1604	Catering Prop Creations	Himanshu Dubey
CC1313	Computational Fluid Dynamics, Colorful Fluid Dynamics, and the differences between them	Ivo Nedyalkov
CC1908	Exploring Electronic Music & Synthesis	Callan Bignoli
CC1602	Fondue-it-yourself	Stephanos Matsumoto
CC1909	Ga-Ga-Ball!	Corinna Kraemer
CC1707	Growing Edible Mushrooms (GEM)	Benjamin Linder, Joanne Pratt, Susan Mihailidis, Whitney Lohmeyer
CC1304	Identity and Engineering	Breauna Cambell
CC1910	Lindy Hop	Zachary del Rosario
CC1001	Play with Clay	Mark Somerville
CC1508	Practical Civics: Political Change In Practice	Kelsey Breseman (with Sally Phelps)
CC1906	Relaxing with Singing Bowls	Jean Huang
CC1710	Science Communication & Science Rap	Ivo Nedyalkov
CC1709	Seed starting and spring gardening	Emily Tow & Linda Canavan
CC1305	Signal Processing on Graphs Research Reading Group	David Shuman
CC1701	Sustainable Beekeeping	Benjamin Linder
CC1203	The History of Horror Movies	Katy Kania
CC1904	Music of Our Lives	Jocelyn Jimenez (w Jacob Smilg)

CC1604

Catering Prop Creations

Staff Sponsor: Himanshu Dubey (with Moises Sabido Garcia)

Enrollment Limited to 10 students; interested staff/faculty should speak to Himanshu

Joining hands with Himanshu and Moises in creating food/beverage display items like a Beer Wine Bar made using pallet wood, wooden donut wall, 3 tiered shelf for dessert station in servery, and many more.

CC1313

Computational Fluid Dynamics, Colorful Fluid Dynamics, and the differences between them

Faculty Sponsor: Ivo Nedyalkov

Enrollment Limited to 30 students; interested staff/faculty should speak to Ivo

By completing this co-curricular you will:

- Learn the basics of Computational Fluid Dynamics (CFD)
- Be able to perform simple CFD simulations using state of the art software
- Be able to critically evaluate how accurately a CFD simulation reflects reality
- Explore the use of CFD in art -Be able to explore CFD further on your own

This co-curricular will consist of approximately seven 1-hour sessions, most of which during the first half of the semester; times TBD. You will also need to devote approximately 5 to 10 hours prior to the first two sessions if you want to get the most out of this experience.

CC1908

Exploring Electronic Music & Synthesis

Staff Sponsor: Callan Bignoli

Enrollment Unlimited; interested staff/faculty should speak to Callan

Interested in learning how electronic music is made, how to make some of your own, and joining in on some live jam sessions? Join us in an exploration into synths with Callan next semester, where we'll hear from students on campus who've designed their own synthesizer hardware, as well as learn about how synths work under the hood, their history in the world of electronic music, and how to craft our very own sounds and music with them!

CC1602

Fondue-it-yourself

Faculty Sponsor: Stephanos Matsumoto

Enrollment Limited to 12 students; interested staff/faculty should speak to Steve

In this co-curricular, we will learn about, and experiment with, four key components of a good cheese fondue. Each meeting will consist of a short lesson on a component of cheese fondue, followed by an experiment and tasting session. The co-curricular will meet four times over the course of the semester.

CC1909

Ga-Ga-Ball!

Staff Sponsor: Corinna Kraemer (with Miriam Rich, '25)

Enrollment Limited to 30 students; interested staff/faculty should speak to Corinna

Calling all MechEs, gym class try-hards, and dirt pit enthusiasts! First, we are going to build the GaGa pit. Then we are going to play in the GaGa pit.

GaGa is a fun last-person-standing dodgeball-style game played in an octagonal pit. No experience necessary - we will teach you the rules and a little bit of history too. Strong potential for muddy mahem during warmer weather.

CC1707

Growing Edible Mushrooms (GEM)

Faculty Sponsor: Benjamin Linder, Joanne Pratt, Susan Mihailidis, Whitney Lohmeyer

Enrollment Limited to 25 students; interested staff/faculty should speak to Ben

Grow your own mushrooms like oysters, lion's mane, and shiitake! Participants learn the basics of growing edible mushrooms from working with liquid cultures to myceliating substrates to pinning and fruiting. We will explore sharing our harvest, building community, and becoming self-sustaining. Students interested in doing research on fungi that are new to cultivation are encouraged to enroll to learn the skills involved. Meetings are on Tuesdays from 12-1:00 PM each week. Open to students, alums, staff, and faculty.

CC1304

Identity and Engineering

Staff Sponsor: Breaua Cambell

Enrollment Limited to 12 students; interested staff/faculty should speak to Breaua (open to 1)

Are there images of engineering that contrast with how you or others fit in the space? Who is the 'Olin engineer'? How can engineering really be for everyone? 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 focuses on broad questions of engineering, identity, and real and perceived connections between them. We can delve together into 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. Brief readings or videos will be recommended to guide each session. Discussions are informal and very experientially based. Even if you've participated before, I encourage you to return!

Note that the relationship between identity and engineering affects everyone in engineering, and all are welcome to participate. Meeting time will be determined around those who register.

CC1910

Lindy Hop

Faculty Sponsor: Zachary del Rosario

Enrollment Limited to 20 students; interested staff/faculty should speak to Zach

Learn how to partner dance in this from-basics, "two-left-feet welcome" introduction to Lindy Hop! Lindy is a variant of swing that coalesced in the 1920's--30's. Originally invented by Black dancers (particularly in Harlem), Lindy Hop is now danced internationally as both a competitive and social dance.

If you're curious about what (professional!) Lindy Hop looks like, here is one of the most famous Lindy Hop routines ever danced:
<https://youtu.be/qzc7vY9VTnk?t=162>
For a less intimidating look at Lindy, here's another Local performance group:
<https://youtu.be/s16Vb1KOfN4>

Classes will meet once a week, with space for ~20 participants. When dancing indoors, pandemic-safe masks will be required in order to participate (N95 or level 3 surgical masks; cloth masks are not acceptable).

CC1001

Play with Clay

Faculty Sponsor: Mark Somerville

Enrollment Limited to 10 students; due to space limitations, no staff/faculty this semester

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 Wednesdays, from about 6:30-8:30 p.m. There is a studio fee of about \$100 per person (financial assistance available), which covers all the materials and firings.

CC1508

Practical Civics: Political Change In Practice

Alum/Staff Sponsor: Kelsey Breseman (with Sally Phelps)

Enrollment Limited to 5 students; interested staff/faculty should speak to Sally

In this co-curricular, you will become embedded in a political activism organization of your choice and work to make real change, with the support of Kelsey ('13), who is currently active on a universal healthcare campaign, a social housing campaign, and a number of environmental activism projects. She will help you find an organization where you can be useful, become embedded in a volunteer capacity for the duration of the co-curricular, and offer peer coaching and support as you work to make the change. Since this is a first iteration of this course, this class is limited to five participants.

CC1906

Relaxing with Singing Bowls

Faculty Sponsor: Jean Huang

Enrollment Limited to 20 students; interested staff/faculty should speak to Jean

The sounds and tones of singing bowls are associated with relaxation and meditation. For this co-curricular, we will set aside some time to play, listen to, and relax together with singing bowls. In developing a sound bath, we can collectively practice finding entry points for peace and rest. All are welcome, and no experience with singing bowls is necessary.

CC1710

Science Communication & Science Rap

Faculty Sponsor: Ivo Nedyalkov

Enrollment Limited to 24 students; interested staff/faculty should speak to Ivo

Practice science communication for different audiences, including a general audience. Become a better communicator by incorporating elements of improv, the power of story-telling, and most importantly - by being yourself and forming genuine connections with the audience. Depending on the interests of the participants we will create, perform, and/or record rap with scientific content. No prior experience with science communication or rap is required. The co-curricular will consist of approximately seven one-hour sessions, time TBD. Additional time-commitment for e.g., recording will be optional.

For reference: Here is Ivo's entry for Famelab from 2021: <https://youtu.be/chks8d4o3KU> and here is an article about "It's All About Flow:" <https://fyfluidynamics.com/2020/03/its-all-about-the-flow/>

Ivo, the faculty sponsor, has been a finalist in the national (Bulgarian) round in the Famelab science communication competition in the inaugural 2007 and the 2021 "all stars" 15th edition of the competition in Bulgaria. He has been a judge for the 3MT (3 Minute Thesis Competition) since its inaugural edition at the University of New Hampshire in 2016 and has participated in multiple science communication workshops. Ivo has also been writing rap for about twenty years and is the author of "It's All About Flow" a rap about fluid mechanics produced by the American Society of Mechanical Engineers.

CC1709

Seed starting and spring gardening

Faculty/Staff Sponsor: Emily Tow & Linda Canavan

Enrollment Limited to 12 students; interested staff/faculty should speak to Emily or Linda

Do you enjoy getting your hands dirty and spending time in the sun? Join us to start seeds, grow cold-tolerant veggies, and build the soil as we work to make the Olin Garden thrive year-round. We will begin by starting seeds indoors for late-spring planting. Some plants that we will start this spring, like tomatoes, should be in full swing when students return in the fall. We will plant and harvest fast-growing spring veggies such as radishes and take care of the 1-year-old asparagus plants. In late spring, we will start

summer crops like popcorn and beans. We'll also continue working to build the soil through adding compost and growing nitrogen-fixing cover crops.

CC1305

Signal Processing on Graphs Research Reading Group

Faculty Sponsor: David Shuman

Enrollment Limited to 16 students; interested staff/faculty should speak to David

We will read scholarly papers related to signal processing on graphs and its applications in different domain areas. We will meet once per week for discussion and formulation of new research problems.

CC1701

Sustainable Beekeeping

Faculty Sponsor: Benjamin Linder

Enrollment Limited to 15 students; interested staff/faculty should speak to Ben

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, harvest honey, and make lip balm. Full participants receive a share of honey over a year. Open to students, alums, staff, and faculty. We will meet on Mondays from 4:30 to 5:30 PM. This time is somewhat flexible to accommodate individual schedules.

CC1203

The History of Horror Movies

Staff Sponsor: Katy Kania

Enrollment Limited to 29 students; interested staff/faculty should speak to Katy

Do you love jump scares? Slasher films? Psychological horror? Surrealist nightmares? Maybe you peek out between your fingers to watch the movie. Come learn where horror started, where we're at, and where we're going by watching and discussing past and current horror films with Katy, who loves all things movies and horror.

CC1904

The Music of Our Lives

Staff Sponsor: Jocelyn Jimenez (with Jacob Smilg)

Enrollment Limited to 10 students; interested staff/faculty should speak to Jocelyn

Music, particularly music that defines our childhood, or our current lives, can provide powerful insight into who you were and are. As a group, we will ask two participants to pick two songs each to share with the group each week. These songs should define or explain part of your experience or identity. 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 and musical tastes, 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 us and should be important to everyone, so we will adjust the schedule as needed throughout the semester!

