
Mavis Future Faculty Fellow (MF3) Academy The Grainger College of Engineering

Program Meeting Time

The Mavis Academy will meet **every Friday** from **Noon to 12:50 pm** via Zoom during Fall 2020 and Spring 2021 semesters. All Mavis Fellows must register for ENG 591 MF3, which is a 1 credit hour course, for both semesters.

Textbook

Tomorrow's Professor: Preparing for Academic Careers in Science and Engineering by Richard M. Reis.
Download book at <https://onlinelibrary.wiley.com/doi/book/10.1002/9780470546727>.

Program Goal

Mavis Future Faculty Fellows (MF3) is a one-year program for senior PhD students (must have passed the qualifying exam) to facilitate the training of the next generation of engineering faculty in research, teaching, and mentoring.

Learning Objectives

As a result of participation in this program, a Mavis Faculty Fellow will

1. understand the different responsibilities of a faculty member – teaching, research, and service.
2. understand how to be an effective mentor.
3. understand how to become an effective teacher.
4. understand how to become an effective researcher.
5. become knowledgeable on activities that strengthen an application for an engineering faculty position.
6. receive guidance on how to search and interview for academic positions.
7. connect with Mavis Alumni and faculty within the College of Engineering.

MF3 Program Website

<http://publish.illinois.edu/engr-mavis/>

Program/ENG 591 Assignments

- Prepare research and teaching statements that would be used in a faculty application. This is to be completed in consultation with your faculty mentor.
- Develop a CV.
- Mentor a less-experienced graduate or undergraduate student for at least one semester. Provide a two-page summary of this mentoring experience, as well as the experience with your faculty mentor highlighting expectations set, projects completed, guidance given, etc.
- Give a formal research presentation that is open to the university community to prepare you for your research presentation that will be given in a faculty interview. A conference paper or an invited seminar at another institution also counts. This presentation needs to be at least 20-30 minutes long with a questions and answers portion. A poster session, Preliminary Exam, or Final Exam will not count towards this requirement.
- Complete a capstone project, as outlined at <http://publish.illinois.edu/engr-mavis/capstone/>.

- Complete a one-semester TA appointment either in the fall or spring term. Previous TA appointments **will not** be counted.

Attendance and Grading Policy

ENG 591 MF3 is pass/fail only. Students are expected to attend all class sessions unless there is a documented reason for your absence. Please email Diana Gonzalez (dgonzal2@illinois.edu) in advance to seek approval. Students may only miss one class during each semester without advanced approval. Fellows will be required to complete a make-up assignment and submit a signed “Mavis Make-Up Seminar Form” located at <http://publish.illinois.edu/engr-mavis/forms/> for each missed seminar.

Course credit (Satisfactory/Unsatisfactory) will be awarded based on class attendance and completion of all assignments. To earn a satisfactory grade, fellows must complete all assignments by the stipulated deadlines.

Course Schedule

Date	Topic	Presenter
August 28, 2020	Program Overview and Orientation	No Class – Email Welcome
September 4, 2020	Mentoring Workshop I	Alexis Thompson and Derek Attig
September 11, 2020	Mentoring Workshop II	Alexis Thompson and Derek Attig
September 18, 2020	Mentoring Workshop III	Alexis Thompson and Derek Attig
September 25, 2020	How to Look for Postdoc Positions and How a Postdoc can be Helpful	Mike Firmand
October 2, 2020	Professional Ethics in College Teaching and Academia	Michael Loui
October 9, 2020	How Young Faculty Members Can Collaborate Work and Funding with National Labs	Thomas Corbert, Sandia National Labs
October 16, 2020	Life as an Academic	Jen Bernhard
October 23, 2020	Preparing your Application Materials for an Academic Job Search	Harley Johnson
October 30, 2020	Writing a Teaching and Research Statement	Indy Gupta
November 6, 2020	The Interview Process	Klara Nahrstedt
November 13, 2020	How to Handle the Negotiation Process	Klara Nahrstedt
November 20, 2020	Best Practices for Your Interview Research Talk	Brian Leeds DeMarco
November 27, 2020	FALL BREAK	NO CLASS
December 4, 2020	The Power of Networking	Katie Walker
December 11, 2020	FINAL EXAM WEEK	NO CLASS
December 18, 2020	FINAL EXAM WEEK	NO CLASS
January 22, 2021	Active Learning / Teaching	Michel Bellini
January 29, 2021	Preparing a White Paper	Harry Dankowicz
February 5, 2021	Writing a Successful Grant Proposal & How to Make Your Proposal Stand Out	Sowmya Anand

Date	Topic	Presenter
February 12, 2021	Grant Administration & Reporting	Sowmya Anand
February 19, 2021	Balancing between your research, service, and teaching as a faculty member	Harry Dankowicz
February 26, 2021	How to Select Graduate Students When Starting Your Faculty Career	Mary Kraft
March 5, 2020	Faculty Life at Different Universities	Onyema Osuagwu, Robert Shepherd, and John Stratton
March 12, 2021	Start-up Companies	Jed Taylor
March 19, 2021	SPRING BREAK	NO CLASS
March 26, 2021	Tenure Process – Tips on how to be successful	Philippe Geubelle
April 2, 2021	A Faculty Experience with Intellectual Property	David Ruzic
April 9, 2021	Successfully Launching Your Academic Career	Lauren Logan
April 16, 2021	Blended Learning / Online Teaching	Michel Bellini
April 23, 2021	How to Manage Conflict as it Arises with Colleagues and Students	Alexis Thompson
April 30, 2021	All Mavis Materials Due and Program Celebration	N/A
May 7, 2021	FINAL EXAMS START	NO CLASS
May 14, 2021	FINAL EXAMS WEEK	NO CLASS