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## Mavis Future Faculty Fellows (MF3) Program The Grainger College of Engineering

### Program Meeting Time

The MF3 Program will meet in person **every Friday** from **Noon to 12:50 pm** during Fall 2023 and Spring 2024 semesters. All Mavis Fellows must register for ENG 591 MF3, which is a 1 credit hour course, for both semesters.

### Optional 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) designed 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. Become knowledgeable on activities that strengthen an application for an engineering faculty position.
4. Receive guidance on how to search and interview for academic positions.
5. Connect with Mavis Alumni and faculty within the College of Engineering.

### MF3 Staff

Diana Gonzalez ([dgonzal2@illinois.edu](mailto:dgonzal2@illinois.edu))

Laura Reiter ([lreite2@illinois.edu](mailto:lreite2@illinois.edu))

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

Fall 2023 Canvas Course: <https://canvas.illinois.edu/courses/37041>

### 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](mailto:dgonzal2@illinois.edu)) in advance to seek approval. Students may only miss one class during each semester without advance approval. Fellows will be required to complete a make-up assignment and submit a signed "Mavis Make-Up Seminar Form" located on the [Requirements page](#) 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. Fellows who miss more than four (4) seminars per term are not eligible for the fellowship stipend during that term.

### Program/ENG 591 Assignments

Identify a faculty member (typically your thesis advisor) who will serve as your Mavis mentor and submit a signed copy of a [Faculty Mentor Form](#) via [Canvas](#) by **September 15, 2023**.

The following assignments must be submitted as a single PDF (include a cover page with your name, UIN, and a list of completed assignments) in Canvas by **April 26, 2024**.

1. Prepare and submit a partial faculty application, including the following materials:
  - CV
  - 3-page Research Statement
  - 2-page Teaching Statement
  - 1-page Diversity Statement
2. Complete ONLY two (2) additional activities of choice, each from a different category listed below.

### Research Category

- Research Talk: Prepare and deliver a 20-minute research talk designed to be presented for a diverse audience, including outside of your area of research. You will present this talk to your peers from the Mavis Future Faculty Fellows program. Please inform Laura Reiter by March 1, 2024, if you plan to complete this assignment.
- White Paper: Identify a funding opportunity through a funding agency relevant to your research area and prepare a two-page White Paper to respond to the opportunity.

### Teaching Category

- Observation of Teaching by an Instructor: Identify an instructor from the list of [Teachers Ranked as Excellent](#) in your department, observe their instruction for one week, and write a two-page summary of your observations.
- Observation of your Teaching: Arrange to teach a class session or a mock lesson that is observed by a faculty member. Discuss the observation with the observer and write a two-page essay reflecting on the teaching experience and the observer's feedback.
- Take a course that would develop your teaching skills (e.g., EPOL 554, College Teaching). MF3 staff will confirm your course completion.
- Facilitate training sessions at the [Graduate Academy for College Teaching](#), a required pre-semester orientation for new teaching assistants offered through the Center for Innovation in Teaching and Learning. Contact Lucas Anderson ([lander23@illinois.edu](mailto:lander23@illinois.edu)) by November 1, 2023, if you are interested in serving as a facilitator for the January 2024 Graduate Academy.

### Mentorship Category

- Mentor a Student: Mentor an undergraduate or a less experienced graduate student in your lab and write a two-page reflection paper over your mentorship experience.
- Mentorship Statement: Prepare a one-page Mentorship Philosophy statement on how you would mentor students in your research group as a future faculty member.

### Communication Category

- Job Talk: Prepare and deliver a 20-minute job talk. You will present this talk to your peers from the Mavis Future Faculty Fellows program. Please inform Laura Reiter by March 1, 2024, if you plan to complete this assignment.

- Communication Course: Take a communication course (e.g., ENG 598, STEM Writing: Practice/Pedagogy, etc.). MF3 staff will confirm your course completion.
- I-Program: Complete one of [I-programs](#) offered through the Illinois Leadership Center (recommended programs: Inclusion, Intersect, or Imprint) and provide a copy of a certificate of completion).
- Communication Workshop: Identify and attend a workshop on communication (look for workshops through [the Graduate College](#) or [the Writers Workshop](#)) and write a two-page reflection paper.

### Weekly seminars: Fridays, 12:00- 12:50 PM

FALL 2023 (1306 Everitt Lab)		
25-Aug-23	Program Overview and Orientation	Diana Gonzalez and Laura Reiter
1-Sep-23	Faculty Career Tracks	Daniel Bodony
8-Sep-23	Mentoring Workshop I	Alexis Thompson and Derek Attig
15-Sep-23	Mentoring Workshop II	Alexis Thompson and Derek Attig
22-Sep-23	Mentoring Workshop III	Alexis Thompson and Derek Attig
29-Sep-23	Preparing Your Application Materials for an Academic Job Search	Harley Johnson
6-Oct-23	Writing Teaching and Research Statements	Lance Cooper
13-Oct-23	The Interview Process	Klara Nahrstedt
20-Oct-23	How to Handle the Negotiation Process	Klara Nahrstedt
27-Oct-23	Life as an Academic	Jen Bernhard
3-Nov-23	Best Practices for Your Interview Research Talk	Brian DeMarco
10-Nov-23	Successfully Launching Your Academic Career	Lauren Logan
17-Nov-23	Networking as a Faculty	Rebecca Reck
24-Nov-23	<b>FALL BREAK</b>	<b>NO CLASS</b>
1-Dec-23	Integrating Diversity, Equity, and Inclusion into Your Research, Teaching, and Service	Lynford Goddard
8-Dec-23	<b>FINAL EXAM WEEK</b>	<b>NO CLASS</b>
15-Dec-23	<b>FINAL EXAM WEEK</b>	<b>NO CLASS</b>
SPRING 2024 (1306 Everitt Lab)		
19-Jan-24	Professional Ethics in Academia	Christopher Lehmann
26-Jan-24	Effective Communication	Jay Mann
2-Feb-24	How to Select Graduate Students When Starting Your Faculty Career	Mary Kraft
9-Feb-24	Preparing a White Paper	Daniel Bodony

16-Feb-24	Writing a Successful Grant Proposal that Stands Out	Sowmya Anand
23-Feb-24	A Faculty Experience with Intellectual Property	Brian Cunningham
1-Mar-24	Start-Up Companies	Jed Taylor
8-Mar-24	How to Become an Excellent Instructor	Tim Bretl
15-Mar-24	<b>SPRING BREAK</b>	<b>NO CLASS</b>
22-Mar-24	Blended Learning and Online Teaching	Michel Bellini
29-Mar-24	Active Learning and Teaching	Cheelan Bo-Lin
5-Apr-24	<b>Engineering Open House</b>	<b>NO CLASS</b>
12-Apr-24	How To Manage Conflicts with Colleagues and Students	Alexis Thompson
19-Apr-24	Tenure Process – Tips on How to Be Successful	Philippe Geubelle
26-Apr-24	End of the Program Celebration (All assignments are due)	Daniel Bodony
3-May-24	<b>FINAL EXAMS WEEK</b>	<b>NO CLASS</b>
10-May-24	<b>FINAL EXAMS WEEK</b>	<b>NO CLASS</b>