

Prospective Professors in Training Program

2009 - 2010 Program outline

Website:

https://www.portal.utoronto.ca/webapps/portal/frameset.jsp?tab=community&url=/bin/common/course.pl?course_id= 528903_1

Core course

MIE3002 “Engineering Teaching and Learning”

This course is designed for people with an interest in furthering their understanding of teaching and learning in engineering and the sciences. Basic concepts in curriculum, teaching and learning, and current research in the field of engineering education will be introduced and discussed. Assignments are used to give students experience putting concepts into practice and producing effective teaching/learning materials. By the end of the course, students should have an understanding of the important models, ideas, and literature that currently inform the practice of teaching in engineering and science at the university level.

Course instructor: Lisa Romkey (romkey@ecf.utoronto.ca)

Meetings: TBA

Please note that you have to register for this course separately from PPIT like any other graduate course.

Assessment:

MIE3002 class sessions will be a combination of lectures and discussion. Participants will be asked to read material weekly in preparation for the discussion. Students will be evaluated based on:

- Participation
- Submitting Teaching Portfolio
- Microteaching & teaching feedback project

Core Seminars

Core seminars (12 in total + Microteaching session) will take place on Mondays 10 am - 12 pm (subject to speakers' availability). You are required to attend and participate in at least 10 of the 12 seminars in addition to the microteaching session; attendance will be tracked. Scheduling updates will be provided on the website. A tentative list of seminars is listed below.

Fall 2009:

Being an Engineering Professor 101 (Panel discussion)	Oct 2009
Applying for Academic Positions and the CV	Oct 2009
The teaching dossier	Nov 2009
Preparing for the academic job interviews	Dec 2009
Round table discussion among program participants only	Dec 2009

Winter 2010:

The Academic Interview and Negotiating the Job Offer + Case study	Jan 2010
Course design	Jan 2010
Starting a Research Program and Applying for Grants	Feb 2010
Class room management and Academic Misconduct Resolution 101	Feb 2010
Publishing and writing good journal papers	Mar 2010
Increasing the impact of your research	Mar 2010
Managing Time, Money, and Students (2 Case Studies)	Apr 2010
Microteaching session	Apr 2010
Panel Discussion: Program Wrap-up	May 2010

Final Assessment

Final assessment of the program will be based on the following:

1. Successfully completing MIE3002.
2. Completion of all required seminars / courses in PPIT
3. Filling and submitting the end-of-course survey.
4. Submission of a Professional Academic Dossier, meant as a final compilation of documents drafted and prepared over the course of the program which are:
 - i. Curriculum Vitae
 - ii. Research statement
 - iii. Teaching dossier, to include statement of teaching philosophy and samples of student feedback
 - iv. Additional evidence of professional and academic career development

Students who complete all program requirements will be issued a certificate of participation in the program.