

Professional Development Newsletter

January 2018

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W.M. Keck Professor of Professional Development Education



This is the first of a regular series of newsletters that feature events and developments in professional development education at Mines. Please contact me with suggestions and requests regarding professional development education.

Open office hours for graduate students

Roel Snieder, Prof. of Professional Development Education, Wednesday 2-3pm, GH 314
Wendy Zhou, Dean of Graduate Studies, Tuesday 2-3pm, GH 324
or by appointment (wzhou@mines.edu or rsnieder@mines.edu)

Interdepartmental graduate classes offered in the spring of 2018

SYGN 501 - THE ART OF SCIENCE (1 credit hour)

This course consists of class sessions and practical exercises. The content of the course is aimed at helping students acquire the skills needed for a career in research. The class sessions cover topics such as the choice of a research topic, making a work plan and executing that plan effectively, what to do when you are stuck, how to write a publication and choose a journal for publication, how to write proposals, the academic career versus a career in industry, time-management, and a variety of other topics. The course is open to students with very different backgrounds; this ensures a rich and diverse intellectual environment. 1 hour lecture; 1 semester hour; Wednesdays 300-350; Roel Snieder (rsnieder@mines.edu)

SYGN 502 - INTRODUCTION TO RESEARCH ETHICS (1 credit hour)

A five-week course that introduces students to the various components of responsible and research practices. Topics covered move from issues related to the planning of research through the conducting of research to the dissemination of research results. The course culminates with students writing and defending their ethics statements. 1 hour lecture/lab; 1 semester hour; Mondays 400-550 or Tuesdays 430-620; Qin Zhu (qzhu@mines.edu)

SYGN 503 - TOOLS FOR SUCCESS: INTEGRATING INTO THE MINES COMMUNITY (1 credit hour)

Designed for both incoming and experienced international graduate students who want to strengthen their professional skills for their degree programs and careers. Through engaging materials and conversation, students learn how to more confidently meet expectations, develop an effective professional relationship with their advisor and others on campus, strengthen communication skills, upgrade the quality and efficiency of their writing and presentations, and resolve conflict. Offers a relaxed, friendly space for students to explore questions regarding the cultural and academic transitions they are making and to share strategies for success. 1 hour lecture; 1 semester hour; Tuesdays 400-550; Diane Witters (dwitter@mines.edu)

SYGN 598A – THE ART AND DESIGN OF COMMUNICATING SCIENCE (1 credit hour)

In this highly interactive course, you'll use art and design concepts to create stunning visual aids that will help capture and keep the attention of your audience. You'll also learn and practice presentation techniques, working toward an end-of-term exhibition for the Mines community. 1 hour lecture; 1 semester hour; Tuesdays 300-350; Lauren Shumaker (shumaker@mines.edu)

For an overview of courses visit <https://www.mines.edu/cpe/courses/>

Workshops

January 20-21, 2018, 9AM – 4:30PM, Boettcher Room, Library, *Software Carpentry Workshop* (Ye Li, yeli@mines.edu)

Improve your research computing skills and make your data analysis more reproducible and automated. Details: <https://minescarpentries.github.io/2018-01-20-coloradomines/>

January 24, 2018, 4-5 PM, Brown Hall 205, *How (Not) to give a Truly Terrible Talk* (Roel Snieder, rsnieder@mines.edu)

Experience the do's and don'ts of oral presentations.

January 25, 2018, 1-3 PM, MZ106, *Assuming Leadership Positions*

Learn techniques, strategies and competencies for advancement into leadership roles.

Feb 15, 2018, 12 - 1:30PM, Boettcher Room, Library. *Building Up Your Scholarly Identity* (Ye Li, yeli@mines.edu)

Learn how to establish your scholarly identity via ORCID profile and how to make the best out of online profile and network for scholars such as Google Scholar Profiles, ResearchGate, and Mendeley etc.

March 1, 2018, 1-3 PM, MZ106, *Effective Negotiation Strategies*

Develop and broaden negotiation skills for professional enhancement.

March 15, 2018, 12-1:30PM, Boettcher Room, Library. *Author Rights and Open Scholarship* (Ye Li, yeli@mines.edu)

Understand your rights as an academic author, how open access help enhance your research impact, and how to protect your intellectual property while opening up your research.

March 22, 2018, 1-3 PM, MZ106, *Sustainability/Ethical STEM*

Enhance your understanding of the role of ethics in STEM professions.

April 4, 2018, time and location TBD, (part of [GRADS conference](#)). *Collaboration Tools for Managing Research and Publishing Workflow* (Ye Li, yeli@mines.edu)

Introduce technology options, including electronic lab notebooks, Open Science Frameworks, reference management tools, Overleaf, open repository and preprint servers etc., and good practices for managing your research and publishing workflow.

April 12, 2018, 1-3 PM, MZ106, Publishing Research

Panel discussion to extend your understanding of the publication, submission, and review process.

Contact Roel Snieder (rsnieder@mines.edu) with requests for workshops or seminars.

Final Fridays

Get together with other graduate students, faculty, and staff in a relaxed environment every last Friday of the month from 2-4 pm. Each meeting features a theme of importance for graduate students. Watch for announcements! <https://www.mines.edu/graduate-admissions/finalfriday/>

Submit a nomination for mentorship awards

Three faculty or staff members will be honored at the April Faculty Awards Ceremony with mentorship awards that recognize extraordinary mentorship activities that go above and beyond regular advising. For more information on the awards and the submission of nominations visit http://www.mines.edu/~rsnieder/Mentorship_awards_2018.pdf

Coming soon

- Templates for agreements between graduate students and advisors.
- A "menu" of workshops and seminars.