

UNIVERSITY OF CALIFORNIA, DAVIS
Department of Materials Science and Engineering
Department of Chemical Engineering

Preparing for Graduate Student Success

EMS 298 (CRN: 41608) / ECH 298 (CRN: 38709)

Fall 2017 COURSE INFORMATION

- Instructors: Professor Jeffery C. Gibeling
2019 Kemper Hall
email: jcgibeling@ucdavis.edu
Office hours: Monday and Friday 8:30-9:30AM, or by appointment
- Professor Ahmet Palazoglu
3104 Bainer Hall
Email: anpalazoglu@ucdavis.edu
Office hours: Monday and Wednesday 2:00-3:00PM, or by appointment
- Course webpage: Available through Canvas
- Course Meetings: Friday 12:10 – 1:30 pm in Bainer 1130; ECH-290 Seminar meets Thursday 12:10-1:00, normally in 1003 Kemper and EMS-290 Seminar meets Tuesday 12:10-1:00, normally in 1003 Kemper. The seminar schedules will be distributed separately and are subject to change.
- Textbook: Roel Snieder and Ken Larner, *The Art of Being a Scientist: A Guide for Graduate Students and Their Mentors*, Cambridge University Press, ISBN: 9780521743525
- Other References: Peter J. Feibelman, *A PhD is Not Enough! A Guide to Survival in Science, Revised Edition*, Basic Books, New York, ISBN 978-0-465-02222-9
- Other Resources: CLIMB at Northwestern: Collaborative Learning and Integrated Mentoring in the Biosciences; <http://www.northwestern.edu/climb/>
- Grading Basis: The class will be graded on a Satisfactory/Unsatisfactory (S/U) basis. Note that the mode of grading for EMS 298 differs from what is stated in the General Catalog. Note that EMS 298/ECH 298 are variable unit classes so you must ensure that you enroll for 1 unit of credit. Concurrent with course 298, students are required to enroll in EMS-290 or ECH-290 based on their major.
- Attendance in courses 298 and 290 (see attached schedule)
 - Mentoring questionnaire (due Fri., Oct. 27th)
 - Midterm/Final report on meetings with Major Professors (due Fri., Nov. 3rd and Fri., Dec. 1st)
 - Time management assessment (due Fri., Dec. 1st)
 - Library exercise (due Fri., Dec.1st)
 - Summary of one session offered by GradPathways/Library/Internship and Career Center (see separate schedule; due Fri., Dec.8th)
 - Self-reflection essay (due Fri., Dec.8th)
- Course Policies: Absence from a maximum of two class sessions of 290 and 298 together will be permitted with prior notification to the course instructors via email. Students are expected to be familiar with and abide by the [UC Davis Code of Academic Conduct](#). Suspected instances of cheating and other academic misconduct will be reported to the Office of Student Support and Judicial Affairs. Students are also expected to abide by the [UC Davis Principles of Community](#).

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FALL 2017 COURSE SCHEDULE

- Sept. 29th *Faculty Research Presentations 1 (Professors Mahajan, Mason, Moulé and Ristenpart)*
- Oct. 6th *Choosing a Research Lab and PI*
Dr. Steve Lee, Office of Graduate Studies
Reading: Snieder & Larner Chs. 3 & 4
- Oct. 13th *Faculty Research Presentations 2 (Professors Kukreja, McDonald, Navrotsky and Takamura)*
- Oct. 20th *Faculty Research Presentations 3 (Professors Castro, Faller, Phillips and Risbud)*
- Oct. 26th NOTE: This meeting time will be during the regular **ECH-290** seminar time
Time Management
Reading: Snieder & Larner Ch. 12
Presentation Skills
Reading: Snieder & Larner Ch. 10
- Oct. 27th *Faculty Research Presentations 4 (Professors Gibeling Hsieh, Seker and Shah)*
- Nov. 3rd *Succeeding Through Your Failures*
Dr. Jim Oberhauser
Reading: Snieder & Larner Ch. 7
- Nov. 10th UNIVERSITY HOLIDAY (NO CLASS)
- Nov. 17th *Finding Graduate Fellowships*
Maria Garcia, Office of Graduate Studies
Lauren Hughes, MSE Graduate Student
- Nov. 24th UNIVERSITY HOLIDAY (NO CLASS)
- Dec. 1st *Using Scientific Literature*
Cory Craig, Shields Library
Reading: Snieder & Larner Ch. 9
Location: Library Instruction Lab, Shields Library
- Dec. 8th – *Science and Science Careers*
Dr. Rose McCallen/Dr. C.Y. Chen
Reading: Loosely Snieder & Larner Chs. 2, 5, 6 and 14