ECM 290/ EMS 298: Preparing for Graduate Research
COURSE OUTLINE - Fall 2014

Instructor: Professor Yayoi Takamura
2009 Kemper Hall
x4-7124
email: ytakamura @ ucdavis.edu
Office hours: Thursdays 1:30-2:30pm, or by appointment
Course webpage: SmartSite

Course Times
EMS 298: Tuesdays 12:10 – 1:00 pm in Hutchinson 102 (unless otherwise noted)
EMS 290: Thursdays 12:10 – 1:00 pm in Kemper 1065

Units: Each class should be taken for 1 unit. Note that EMS 298 is a variable unit class so you must ensure that you enroll for the proper number of units.


Other Online Resources:
CLIMB at Northwestern: Collaborative Learning and Integrated Mentoring in the Biosciences; http://www.northwestern.edu/climb/

Grading: Both classes will be graded on a Satisfactory/Unsatisfactory (S/U) basis. Note that mode of grading for EMS 298 differs from what is stated in the General Catalog.

Attendance (see attached schedule)
Summary of 1 session offered by the Office of Graduate Studies/Library (see attached schedule, due Thurs. Dec. 11th)
Midterm/final report on meetings with Major Professors (due Fri. Nov. 7th and Fri. Dec. 5th)
Self-reflection essay (due Tues. Nov. 25th)
Time management assessment (due Thurs. Dec. 11th)

Course Policies:
1. Assignments will be due in class on the specified due date. No late assignments will be accepted.
2. Absence from a maximum of two class sessions will be permitted with prior notification to the course instructor via email.
3. The UC Davis Code of Academic Conduct will be strictly enforced. (see http://sja.ucdavis.edu/sja/cac.htm)
4. It is expected that students will abide by the UC Davis Principles of Community (see http://www.ucdavis.edu/principles.html).
TUESDAY (generally Hutchinson 102)

Oct. 7th – Introduction & Fellowships
Kristin Provost & Deborah McCook
Office of Graduate Studies

Oct. 14th – Mentorship Styles/Pacts
Reading: Sneider & Larner Chs. 3 & 4

Oct. 21st – Department Seminar (Kemper 1065)
Prof. Anil Virkar
Dept. Materials Science & Engineering
University of Utah

Oct. 28th – Department Seminar (Kemper 1065)
Prof. Dennis Discher
Biophysical Engineering Laboratory
University of Pennsylvania

Nov. 4th - Department Seminar (Kemper 1065)
Prof. Dennis Discher
Biophysical Engineering Laboratory
University of Pennsylvania

Nov. 11th – Veteran’s Day (NO class)

Nov. 18th – Time Management
Reading: Sneider & Larner Ch. 12

Nov. 25th – Using the Scientific Literature
Cory Craig
Reading: Sneider & Larner Ch. 9

Dec. 2nd – Research on Success: Grit, the Growth Mindset, and the Marshmallow Test
Dr. Steve Lee, Office of Graduate Studies
Reading: Sneider & Larner Ch. 7

Dec. 9th – Department Seminar (Kemper 1065)
Prof. Jennifer Lewis
School of Engineering & Applied Sciences
Harvard University

THURSDAY (Kemper 1065)

Oct. 2nd – Faculty presentations
Prof. Volkmar Heinrich
Prof. Tonya Kuhl

Oct. 9th – Faculty presentations
Prof. Subhash Mahajan
Prof. Adam Moule
Prof. Subhash Risbud

Oct. 16th – Faculty presentations
Prof. Erkin Seker
Prof. Roland Faller
Prof. Robert Powell

Oct. 23rd – 2nd Annual CHMS Research Symposium
Kemper lobby (poster session)
Kemper 1065 (oral presentations)

Oct. 30th – How to Prepare For and Present a Seminar
Prof. Diran Apelian
Reading: Sneider & Larner Ch. 10

Nov. 6th – Faculty presentations
Prof. Ron Phillips
Prof. Sangtae Kim
Prof. Bruce Gates

Nov. 13th – Faculty presentations
Dean Enrique Lavernia
Prof. Bill Ristenpart
Prof. Karen McDonald

Nov. 20th – Faculty presentations
Prof. Julie Schoenung
Prof. Yayoi Takamura
Dean Alexandra Navrotsky

Nov. 27th – Thanksgiving (NO class)

Dec. 4th – Science and the Science Career
Reading: Loosely Sneider & Larner Chs. 2, 5, 6 and 14

Dec. 11th – Department Seminar
Prof. Chris Leighton
Dept. Chem. Eng. & Materials Science
University of Minnesota, Twin Cities