

Chemistry 380 – Seminar

Spring 2014, 11:30 AM Thursdays in FH-133 (auditorium)

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Objective: In this course you will learn to obtain, process, and evaluate research-related information. Each week, on Thursday, there will be a seminar (12 total). The seminar topics will cover the entire range of chemistry and will be given largely by outside speakers. You must attend each seminar and use what you learned from the speaker and what you searched on the web to write a seminar report.

Reports: Your report is limited to one single-spaced page and **must** contain the following parts:

A: The speaker's name and affiliation.

B: An explanation of the importance and originality of the research presented in the seminar using a maximum of 5 meaningful sentences.

C: An evaluation of the quality of the presentation indicating the features of the presentation or speaker you liked or didn't like. Also indicate whether or not you found the seminar interesting and easy to follow. Limit your response to a maximum of 5 meaningful sentences.

D: An evaluation of the quality of the speaker's research. The evaluation should contain the following data:

- 1) The funding sources for the presented research, if indicated. (These sources are usually mentioned by the speaker at the very end or very beginning of the seminar.);
- 2) The number of articles published by the speaker in the past 5 years (i.e., 2009-2013);
- 3) The full reference for an article published in the journal with the highest 2011 impact factor, including the numerical value of the impact factor for the journal.

The deadline to submit the report is exactly one week from when the speaker's seminar began, i.e., immediately prior to the beginning of the next seminar. The instructor will provide details on how the report is to be submitted. A report will be considered acceptable and given one credit point (1.0) if all required parts (1-3) are addressed and the items are correct. A report that is incomplete and/or contain incorrect information will be give half credit (0.5). Laptops are allowed during the seminar to take notes; however, anyone using a laptop/cell phone/tablet/etc. to browse the web (Facebook, ESPN, etc.) will receive a zero on their report. Missed reports, if not made up, carry zero credit; check below for situations when missed reports are accepted.

Special seminars

There will be three special seminars given by professionals from the Library and/or the Career Development Center. These seminars are designed to provide useful information about career opportunities, research and job searching techniques, and other issues important for individual beginning their professional careers. A brief report (one page maximum) for each of these seminars **must** be submitted. The report should contain the following information:

A: The main issues presented;

B: An indication of how these issues could be useful for you in the future, and if not, why?

Missed Assignments: Any illness, accident, or family crisis that results in a missed assignment must be communicated within two calendar days to the instructor and TA by e-mail; supporting documentation (e.g., doctor's note or parent's letter) must then be provided directly to the instructor to verify the event. **Only under exceptional circumstances** can a missed seminar be make-up by submitting a report that contains only parts A and D. Make-up reports will

receive half credit (0.5). In the event that one of the special seminars was missed, you should arrange for a make-up meeting with the Career Development Center.

Grading: You must work on your reports and summaries individually. Identical or very similar reports submitted by more than one student will be judged as a missed assignment; and this event will be reported to the Dean as a violation of Academic Integrity. A grade of A will be assigned for 12 acceptable reports, 11 acceptable reports will be given an A-, 10 will be given a B+, 9 will be given a B, 8 will be given a B-, 7 will be given a C+, 6 will be given a C, 5 will be given a C-, 4 will be given a D+, 3 will be given a D, and less than 3 acceptable reports will be given an F.

Schedule of Thursday seminars

Jan 16	Syllabus	
Jan 23	#1 Seminar	Dr. Preston Snee, University of Illinois Chicago
Jan 30	#2 Seminar	Career Development Center
Feb 6	#3 Seminar	Dr. Khadine Higgins, Indiana University
Feb 3	#4 Seminar	Dr. Po-Heng Lin, California Institute of Technology
Feb 20	#5 Seminar	Dr. Sergiy Rosokha, Roosevelt University
Feb 27	#6 Seminar	Moore Chair Candidate - TBA
Mar 06	Spring Break	No Classes
Mar 13	#7 Seminar	Career Development Center
Mar 20	#8 Seminar	Moore Chair Candidate - TBA
Mar 27	#9 Seminar	Dr. Manos Mavrikakis, University of Wisconsin
Apr 03	#10 Seminar	Career Development Center
Apr 10	#11 Seminar	Dr. Stacey Lowry Bretz, Miami University of Ohio
Apr 17	#12 Seminar	Dr. James Tour, Rice University
Apr 24	Evaluation	