

CHEM 593: SPRING 2017

TIME: Fridays at 4:10 p.m.

LOCATION: Fulmer 150

SEMINAR CHAIR: Choong-Shik Yoo (csyoo@wsu.edu, 52712, Fulmer549 or ISP242)

COURSE LOGISTICS

- Seminars are presented by graduate students, postdocs, and faculty in Physical and Materials Chemistry.
- Presentations given by graduate students are a part of their training; they receive credit for Chem 593 either in written evaluations provided feedback to speakers or advice for preparing student presentations if available in advance.
- PhD and Masters students give 40 min. seminars (see note).
- Invited postdocs and faculty give 40 min. research seminars. They are not given advice, or formal evaluations. They fend for themselves.
- 1st year students need not give presentation during the first semester of enrollment but must attend the seminars. Second semester 1st year students give 20 min talks.
- Students must have their topics approved by the Seminar Chair before they begin preparation. Student speakers are responsible for preparing their seminars. They may seek advice of the Seminar Chair and their thesis advisor. Students should practice their talks with their individual research groups.
- Seminar title and abstract must be submitted to the seminar chair at least 5 days prior to the presentation.
- Abstracts of all talks are advertised in the department.
- When departmental seminars are scheduled during the Friday 4 pm time slot, they take precedence over Chem 593 seminars.
- Each graduate student speaker is eligible for one of the following awards: Harold Dodgen Outstanding Graduate Seminar Award and Glen Crosby Outstanding Graduate Seminar Award.

Attendance is required to receive a grade and pass this class. If for any reason you will not be able to attend, you must notify the chair in advance.

NOTE: Every physical chemistry and materials chemistry graduate student is required to attend Chem593. PhD students must include a total of 6 instances of Chem 593 on their Program of Study (at least 3 or MS students). In the general case, this implies registering for credit 4 times up through the semester of the Preliminary Exam and then two additional times after that.

ADVICE TO SEMINAR SPEAKERS

40 min talks discuss topics in depth. First year students will give 20 min talks during their second semester. Be sure to give a clear and comprehensive introduction – most of us are not experts in your field.

Focus and development: Your presentation should have a clear central idea. The central idea should be accurately and logically developed. Expose the reasoning leading to conclusions. Include error analysis where appropriate.

Organization: The idea should be clearly presented. Make every effort to help your audience follow the logic (One technique is to follow an outline format.)

Mechanics: Conform to accepted standards of grammar, audibility and legibility. Enunciate clearly. Your audience needs to hear you, understand what you say, and read your slides. Do not put more on a slide than can be read in the time allotted, and don't print too small for viewers at the rear of the room.

Diction: Good communication requires effective use of language. Choose the right words, and make coherent sentences. Likewise, numerical values should include appropriate units, and equations should use customary symbols.

Authorship: Adopt a stance, which is clear, consistent, and appropriate to your listeners. Treat the listeners respectfully; they are your peers. Be receptive to questions; try to anticipate questions and be prepared to answer them.

Scholarship: Give credit to the original authors of ideas you present. Help your listeners by citing appropriate reference that establish the background of your subject; this will allow the audience to quickly find sources they want to read.

SEMINAR EVALUATION FORM FOR CHEM 593

SPEAKER'S NAME: DATE: _____

Evaluator's Name (optional):

POOR-1 EXCELLENT-5

CONTENT

- Motivation/relevance of study clear? 1 2 3 4 5
- Adequate introduction? 1 2 3 4 5
- Explanation of expt'l/theor. procedure? 1 2 3 4 5
- Conclusions followed from results? 1 2 3 4 5
- Appropriate referencing? 1 2 3 4 5
- Sufficient depth of coverage? 1 2 3 4 5
- Seminar generally well organized? 1 2 3 4 5

DELIVERY

- Audible? 1 2 3 4 5
- Understandable (pace & choice of words)? 1 2 3 4 5
- Kept within time (not too short or long)? 1 2 3 4 5
- Answered questions well? 1 2 3 4 5

MEDIA

- Legible, effective slides? 1 2 3 4 5
- Clear diagrams/tables? 1 2 3 4 5

ADDITIONAL COMMENTS (please tell the speaker how their presentation could be improved):

HAROLD W. DODGEN OUTSTANDING GRADUATE SEMINAR AWARD*

GLEN CROSBY OUTSTANDING GRADUATE SEMINAR AWARD**

Eligibility for the awards:

The speaker must be a graduate student pursuing the PhD or MS degree in Physical Chemistry and Materials Chemistry at Washington State University. Speaker must have delivered a seminar in the Chem 593 forum during the academic year of the award.

Award Guidelines:

Seminar chair will rank the performance of all student speakers based on the scores from their evaluation forms. Three or more top speakers will be nominated for the awards. Two finalists will be selected and presented with awards annually.

**This award is named in honor of Harold W. Dodgen (emeritus professor of Chemistry at Washington State University). Professor Dodgen was one of the founders of the Chemical Physics Program at WSU in the early 1960's and an inspiring teacher/researcher in Physical Chemistry. Chemical Physics at WSU continues as one of three legs supporting the current Materials Science Program.*

***This award is named in honor of Glen Crosby (emeritus professor of Chemistry and Materials Program at Washington State University). Professor Crosby was one of the founders of the interdisciplinary Materials Science Program at Washington State University and served as the Program's first chair. He is well known and respected both nationally and internationally for his significant contributions to research and teaching and has been honored with numerous awards.*

It is a pleasure for current members of the Program to honor Professors Dodgen and Crosby for their formative influence on materials research at WSU.