Syllabus: CHEM 4940 (1 credit hour)
Seminar in Current Chemistry, Spring 2018

Instructor: Dr. LeGrande M. Slaughter (legrande.slaughter@unt.edu); office phone: 940-565-4350
Seminar time & location: Unless otherwise announced, Fridays 3:30 – 4:20 PM, CHEM 109

Spring 2018 Seminar Schedule (subject to amendment and/or revision)

1/19  Laurel Schafer, University of British Columbia (Host: Cundari)
Using N,O to get to Yes! Early Transition Metal Complexes for the Catalytic Synthesis of Amines and
Amine-Containing Materials

1/22*  Song Guo, University of Southern Mississippi (Host: Marshall)
The Interplay Between Aggregation and Chemical Doping of Conjugated Polymers
*Special Monday seminar to be held in CHEM 106, 3:30 p.m.

1/26  Junha Jeon, University of Texas at Arlington (Host: Slaughter)
Catalysis for Organosilanes

1/29*  Physical Chemistry Faculty Search Candidate, TBA (Host: Marshall)
Title TBA
*Special Monday seminar to be held in CHEM 106, 3:30 p.m.

2/1†  Physical Chemistry Faculty Search Candidate, TBA (Host: Marshall)
Title TBA
†Special Thursday seminar to be held in CHEM 106, 2:00 p.m.

2/2  Joseph Oppong, UNT Toulouse Graduate School (Host: Slaughter)
Responsible Conduct of Research

2/9  Open/To Be Announced

2/16  William Hoffmann, Texas State University (Host: Verbeck)
Title TBA

2/23  James Blakemore, University of Kansas (Host: D’Souza)
Coordination Chemistry and Catalysis with Pentamethylcyclopentadiene (Cp*H) Complexes of Rhodium

3/2  Mike Krische, University of Texas at Austin (Host: Wang)
Hydrogen-Mediated C-C Bond Formation

3/9  Qin Wu, Brookhaven National Laboratory (Host: Cisneros)
Theory and Applications of Density-Based Energy Decomposition Analysis (DEDA)

3/16  Spring Break– No Seminar

3/23  Skye Fortier, University of Texas at El Paso (Host: Slaughter)
Metastable Metal Complexes Supported by Guanidinate Ligands

3/30  Good Friday – No Seminar

Anna Krylov, University of Southern California – Davidson Lecturer (Host: Cisneros/Cundari)
4/5† (Lecture 1) Tackling Strong Correlation (†Special Thursday seminar in CHEM 109, 2:30 p.m.)
4/6 (Lecture 2) Photoinduced Chemistry in Bioimaging: The Good, the Bad, and the Ugly
Course Objectives
The primary objective of this course is to provide advanced chemistry majors with exposure to topical areas of chemistry research through seminars given by prominent researchers from the chemical community. A second objective is to foster critical thinking and open exchange of ideas with scientists from outside UNT.

Credit Toward a Chemistry Major
CHEM 4940 is not a core required course for Chemistry majors. However, it may be counted as part of your 42 required credit hours of advanced (3000- and 4000-level) coursework.

Grading
This course is graded on a Pass/No Pass basis only. The sole criterion for passing the course will be attendance/participation.

Attendance Policy
Students are expected to attend and participate in each scheduled seminar. You must sign the Attendance Sheet at each seminar in order to receive credit for attending. Any absence must be approved by the instructor and must have a valid reason that can be documented. Valid reasons include illness requiring a visit to the doctor, travel to an external conference with advisor’s approval, and religious holidays. Personal travel and social events are not valid reasons for missing seminar. You are allowed a total of two absences during the semester. More than two absences will lead to a grade of No Pass for the course.

Participation
You are strongly encouraged to ask questions during the question-and-answer period (typically, 10 minutes at the end of the seminar). Because not everyone will have an opportunity to do so, the instructor will provide a slip of paper to each student at the beginning of each seminar on which you should write a question to the speaker related to the seminar topic. The instructor will select some of these questions for the speaker to answer. Note that these slips form part of your attendance/participation record. You must write a question in order to receive credit for attending the seminar.

Special (Non-Friday) Seminars
Four non-Friday seminars are currently planned: two special Monday seminars on January 22 and 29, a special Thursday seminar on February 1, and the first Davidson Lecture by Prof. Anna Krylov on Thursday, April 5. You are strongly encouraged to attend these special seminars if your class schedule allows it. It is important to have a strong showing of students for these faculty candidates and distinguished scientists, who will be presenting their research outside of the regular Friday seminar times. As an incentive, attendance of two special seminars will cancel out one absence from a Friday seminar.
Canceled Seminars
If the University is closed due to weather or other circumstances, seminar will be cancelled. In the event the seminar is rescheduled, you will be notified by email.

Required Materials
None. A notebook or electronic device for taking notes is strongly recommended. It is also recommended that you browse recent publications by speakers prior to seminar, especially for speakers whose topics are of interest to you. The instructor may send selected references by email to assist you in this.

Course Web Page
Any updates to the seminar schedule will be posted on the Blackboard Learn page for CHEM 5940. To access this page, use the following link with your EUID and password:  https://learn.unt.edu/

Instructor Office Hours
Monday and Wednesday, 1:30 – 3:00 PM, CHEM 307E