

CHEM 1411 Honors and MCP Majors/Minors Lab

Instructor: Dr. Nick Flynn
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Office Hours: Monday/Wednesday 8
Tuesday/Thursday 9
Monday 10:30-11:30

Classroom: CC 401

Time: MW 9:00-10:15

Texts and other required materials

Required Texts: Lab manual from bookstore

Other required: Scientific calculator with no memory function or alphanumeric display. Examples include Texas Instruments TI-30Xa (\$10.99) and Casio FX260SOLAR (\$8.94).

About this lab

This lab is being run as an Honors CHEM 1411 and Majors/Minors lab. You will be doing some of the same experiments that we do during our regular CHEM 1411 labs, and some of the lab sessions will be special sessions. The attached lab schedule indicates when you will be doing regular labs and when you'll be doing special labs.

The "special" part of this lab is a built in miniature research project that is split into three parts. You will first learn how to conduct library searches and how to connect information in scientific journals. The second part will involve preparing samples of pepper sauce extracts for analysis of Scoville units. Scoville units measure how "hot" a pepper or pepper extract is. The final part will involve analyzing the data collected during the second part and preparing a 10 minute presentation.

Grade breakdown:

- 50% Regular Lab Experiments
- 15% Literature Assignment
- 10 % Sample Preparation and HPLC Analysis
- 10% Written report of sample analysis
- 15 % Presentation

IMPORTANT: If you are allergic to capsaicin or related products let Dr. Flynn know by the start of the next laboratory session.

West Texas A&M University Policies

Academic Integrity

All work must be completed individually unless otherwise stated. Commission of any of the following acts shall constitute scholastic dishonesty: acquiring or providing information for any assigned work or examination from any unauthorized source; informing any person or persons of the contents of any examination prior to the time the exam is given in any subsequent sections of the course or as a makeup; plagiarism; submission of a paper or project that is substantially the same for two courses unless expressly authorized by the instructor to do so. For more information, see the Student Code of Life at

<http://www.wtamu.edu/webres/File/Student%20Life/WEB2010-2011CodeOL.pdf>

Acceptable Student Behavior

Classroom behavior should not interfere with the instructor's ability to conduct the class or the ability of other students to learn from the instructional program (*Code of Student Life*).

Unacceptable or disruptive behavior will not be tolerated. Students engaging in unacceptable behavior may be instructed to leave the classroom. Inappropriate behavior may result in disciplinary action or referral to the University's Behavioral Intervention Team. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc.

ADA statement:

West Texas A&M University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to register with Student Disability Services (SDS) and to contact faculty members in a timely fashion to arrange for suitable accommodations. Contact Information: Student Success Center, CC 106; www.wtamu.edu/disability; phone 806-651-2335.

Evacuation Statement

If you receive notice to evacuate the building, please evacuate promptly but in an orderly manner. Evacuation routes are posted in various locations indicating all exits, outside assemble area, location of fire extinguishers, fire alarm pull stations and emergency telephone numbers (651.5000 or 911). In the event an evacuation is necessary: evacuate immediately do not use elevators; take all personal belongings with you; report to outside assembly area and wait for further information; students needing assistance in the evacuation process should bring this to the attention of the instructor at the beginning of the semester.

Chemical and Equipment Safety Statement

Safety is everyone's responsibility. Material Safety Data Sheets (MSDSs) are provided for all chemicals used in this class. MSDSs provide information about physical properties, health risks, fire explosion data, and other important information associated with these chemicals. Before handling or using a chemical, you should refer to the MSDS for that chemical. It is your responsibility to inform the instructor in writing of any health conditions that may prevent you

from safely using a chemical (pregnancy, auto immune deficiency, etc.). It is also the responsibility of the student to report any spill or problems found while storing or using a chemical. If you are unsure about a chemical, always ask. If you see any unsafe condition, notify your instructor immediately. If you are unsure about the proper and safe operation of any piece of equipment, ask your instructor for proper instruction. All injuries, spill of materials and unsafe conditions must be reported to the instructor immediately.

Dropping the Course: The last day to drop or withdraw with an X is October 14th. If you drop or withdraw after this date, you will receive an “X” if you are passing or an “XF” if you are failing. October 31st is the last day to drop or withdraw. Keep in mind that if you drop the CHEM 1411 lab you have to drop the CHEM 1411 lecture and vice versa

SAMPLE