

# Introductory Integrated Laboratory - Honors Chemistry 3611 Fall 2015

## General Information

Time: W 12:45-4:45 p.m.

Place: 161 D. M. Brown Hall

## Course Summary

Introduction to advanced chemistry laboratory techniques with emphasis on physics-chemical measurements. Includes data handling, report writing, and work with classical and instrumental methods.

## D2L Site

A Desire2Learn (D2L) site (<http://elearn.etsu.edu>) for this course is available. All handouts, etc. will be posted to the site.

## Contact Information

Instructor: Dr. Scott Kirkby

Phone: 423-439-5823

Office Hours: Monday, 10:00 a.m. - 12:00 noon

Office: 464 D. M. Brown Hall

Email: [kirkby@etsu.edu](mailto:kirkby@etsu.edu)

Individual assistance may also be obtained by appointment or by emailing questions to the instructor.

**Note:** Chem 3611 is a writing-intensive course.

## Schedule

Date	Item
26 Aug.	Introductory lecture
2 Sept.	Begin experiments
16 Sept.	Submission of literature paper abstract
14 Oct.	Initial submission of literature paper draft
21 Oct.	First formal report due Honors experiment proposal due
4 Nov.	Final submission of literature paper draft
18 Nov.	Literature paper due
25 Nov.	No class
2 Dec.	Second formal report due Honors experiment formal report due Lab final exam

## Text

The laboratory manual is available as a PDF in the course content section on D2L.

## Grading

Assignment	Percent of Final Grade
Honors Experiment	25%
Two Formal Reports	25%
Five Informal Reports (5% each)	25%
Literature Review Paper	10%
Lab Final Exam	25%
Total	100%

**Honors Experiment:** Each group of students must complete a “new to us” experiment. This experiment must be able to be performed with the available equipment and instrumentation, but not be one currently part of the regular schedule of experiments at ETSU. To prepare for this experiment, a proposal describing the necessary equipment, instrumentation, supplies, and the planned procedure must be submitted no later than 21 October. The final formal report on the experiment is due 2 December.

**Calculators:** Non programmable scientific calculators are permitted for use on the the final exam. Programmable calculators may not be used. Calculators that are part of a communications device, including IR transmitting calculators, are not permitted.

**Cell Phones, etc.:** Cell phones, pagers, IR transmitting calculators or any other communications devices are not permitted during the final exam. Use of any communications device during the final will result in a grade of zero. For the purposes of this course, possession in a functional state will be considered usage. Personal use of communication devices is not permitted during experimental work.

## Academic Integrity

This course will comply with the Department of Chemistry’s Academic Integrity Policy (available in the course’s content section on D2L). Any violation of the policy is unacceptable and will not be tolerated. At the minimum, a grade of zero for the assignment will be given.

## Conversion to Letter Grades

Grade	Percent	Grade	Percent
A	$\geq 90.00\%$	C	63.00 - 66.99%
A-	85.00-89.99%	C-	60.00 - 62.99%
B+	80.00 - 84.99%	D+	55.00 - 59.99%
B	75.00 - 79.99%	D	50.00 - 54.99%
B-	70.00 - 74.99%	F	<50.00%
C+	67.00 - 69.99%		

All assignments must be completed in this course. Each student must turn in two formal reports, one literature review paper and six informal reports.

Your literature review paper requires the submission of a “draft” so that you have an opportunity to do a rewrite of the paper. Please understand that, this is not a “rough draft,” but should be in finalized form. Although the draft will not receive a separate grade, the quality of the draft will be considered in the overall grade for the paper. You must be prompt and attend the lab on time. You must stop your experiment 15 minutes prior to the end of the session, and begin cleaning up. There may be a 10% grade deduction from that particular experiment if you do not leave the lab on time.

All data from experiments is due at the end of the lab period. Any calculations/data analysis and the rest of the informal report is due the week following the experiment. A late report is penalized 20% for the first week. Reports will not be accepted more than one week after the due date.

## **Lab Safety Training**

Before experiments start you are required to complete the online safety training module. This may be completed by going to:

<https://healthsafety.etsu.edu/index/login>

and login using your complete e-mail address (*i.e.* [doej@etsu.edu](mailto:doej@etsu.edu)) and your ETSU network password. The site will welcome you, and then you will need to click on the “Training Modules” link on the left side of the page. A list will appear telling you which modules you are registered for. Click on the “Take” option next to Chemistry Safety. Please watch the video and then read all the safety information in the module. When complete, click on the “Take Training Quiz” link at the bottom of the module and take the quiz. You must complete and pass the on-line quiz once a year before being allowed in lab. If you do not complete the safety training prior to the first date of lab experiments, you will not be allowed to continue lab work. For the Fall 2015 semester, this date is 28 August.

## **Disability Services**

It is the policy of ETSU to accommodate students with disabilities, pursuant to federal law, state law and the University’s commitment to equal educational access. Any student with a disability who needs accommodations, for example arrangement for examinations or seating placement, should inform the instructor at the beginning of the course. Faculty accommodation forms are provided to students through Disability Services in the D.P. Culp Center, telephone 439-8346.

## **Mental Health**

Students often have questions about mental health resources, whether for themselves or a friend or family member. There are many resources available on the ETSU Campus, including: ETSU Counseling Center (423) 439-4841; ETSU Behavioral Health

& Wellness Clinic (423) 439-7777; ETSU Community Counseling Clinic: (423) 439-4187.

- **If you or a friend are in immediate crisis, call 911.**
- Available 24 hours per day is the National Suicide Prevention Lifeline: 1-800-273-TALK (8255).