

## CHE 396 (001, 002): Practicum: Chemistry Lab Spring 2009

**Instructor:** Dr. Heather Bullen

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**Office Hours:** I have an open door policy. My formal office hours are: M, W: 10:00-11:00 am

**Prerequisite:** Consent of instructor

**Class Times:** By arrangement with instructor (M, W 2-4:30 pm with additional prep times needed).

**Learning Outcomes:** This courses student learning outcomes fulfill the programmatic goals of the Department of Chemistry

1. Explain the major concepts and experimental findings in the chemical sciences.
2. Demonstrate the ability to carry out experimental protocols using modern instrumentation and methods.
3. Utilize critical thinking skills to apply concept knowledge and adapt experimental techniques to: a) form and test hypotheses and b) solve scientific problems
4. Compile, critically evaluate, and interpret scientific information and data.
5. Effectively communicate scientific information through written and oral means.
6. Apply effective group strategies to solve scientific problems.
7. Evaluate the relationships between chemistry and mathematics, physics, biology, and other disciplines and between chemistry and society.
8. Apply computer technology and other technologies in the comprehension, interpretation, and presentation of the chemical sciences.

**Objectives:** The overall goal of this course is to develop experiments, protocols, and aid in instruction of Instrumental chemistry lab.

- 1) Develop materials for labs in instrumental analysis
- 2) Work on improving laboratory experiments.
- 3) Assist in instruction of lab

**Grading Policy:** Your grade in CHE 396 will be based on how well you achieve the objectives stated above.

### Policies of the Department of Chemistry at Northern Kentucky University

- All items on syllabi are subject to change by the instructor.
- Students are responsible for reading and understanding all items on the syllabi. Any items not understood must be brought to the attention of the instructor within the first two weeks of class.
- The work you will do in any course is subject to the Student Honor Code.

***Students with disabilities who require accommodations (academic adjustments, auxiliary aids or services) for this course must register with the Disability Services Office. Please contact the Disability Service Office immediately in the University Center, Suite 320 or call 859-572-6373 for more information. Verification of your disability is required in the Disability Services Office for you to receive reasonable academic accommodations. Visit the Disability Services website at [www.nku.edu/~disability/](http://www.nku.edu/~disability/).***