

Fall 2015

## CHEM 3092

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**Chemistry 3092, Teaching Apprenticeship**  
Fall 2015

Instructor:  
Office:  
Office Hours:  
Tel.:  
E-mail:

Prerequisite: Consent of department

Description: Students will spend a semester training and shadowing with an experienced TA. The training will consist of learning the chemistry involved in the teaching labs, along with safety and practical knowledge to teach either CHEM 1007 1008, 2017 or 2018. Student will shadow a TA for at least one section of their target lab. Student will spend another 3 hours per week in various activities that include a weekly meeting with all TA and instructors, and 1-2 hours work in the tutoring center. May be used for university general elective credit. May be taken up to 3 times for a maximum of 6 credit hours.

Credit: 2 credit hours

Text: Text and other resources will be specified in the Course Contract

### Student Learning Objectives

Students who complete this course should have a sufficient understanding of the material and experience to be an Undergraduate Teaching Assistant in their targeted lab in subsequent semesters after their training.

### Attendance Policy

Regular attendance is required.

### Exam Schedule

There will be no tests or exams associated with this apprenticeship.

### Grading

Course grade will be based on student performance and mastery of the topic material. Attendance and appropriate time commitment to the course will be included in grading. Detailed grading procedures will be specified in the Course Contract

### Accommodations

It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities should contact the Office of Disability Services as well as their instructors to discuss their individual needs for accommodations. For more information, please go to <http://www.ods.uno.edu>.

### Classroom Conduct

Cell phones should be turned OFF before entering class. Chronic tardiness will be penalized.

### Additional Resources

Specific resources will vary for this course and will be noted in the Course Contract. General resources are noted below.

SciFinder (scientific literature database available in UNO library)

American Chemical Society Journals (available in UNO library or online through UNO connection at [www.acs.org](http://www.acs.org))

### Academic Integrity

Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Refer to the Student Code of Conduct for further information. The Code is available online at <http://www.studentaffairs.uno.edu>.

**Plagiarism is a serious offense that can result in failure in a course and dismissal from the university.<sup>1</sup> Students must make special efforts to learn what constitutes plagiarism and how to properly utilize and cite the work of others.**

“Plagiarize 1. To steal and use (the ideas or writings of another) as one’s own. 2. To appropriate passages or ideas from (another) and use them as one’s own . . . To take and use as one’s own the writings or ideas of another.” - definition from *The American Heritage Dictionary of the English Language*, W. Morris, Ed. American Heritage Publishing Company, Inc. and Houghton Mifflin Company: New York, 1969.

Verbatim, or word for word copying, is the most obvious form of plagiarism. However, substantially copying the ideas or presentation of another, even when wording has been changed, can also constitute plagiarism.

The final exam will be evaluated using turnitin via Moodle. A similarity score of less than 15% is required. A submitted report with a similarity score higher than 15% will be further investigated to determine if plagiarism is involved. Up until the deadline of noon on Dec 8, the exam can be revised to decrease the similarity score. Papers will also be manually assessed for plagiarism.

Free Tutoring Available On-Campus from the UNO Learning Resource Center:

<http://www.uno.edu/lrc/>

Free Chemistry Tutoring Available in the Chemistry Learning Center - CSB 101

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<sup>1</sup>International students who are dismissed from the university can lose their visa status, requiring them to return to their home country.

## Chemistry 3092 Course Contract

Credit Hours: 2

Year:

Semester:

Student Name:

UNO ID:

Faculty Supervisor:

Project Title:

Undergraduate Lab TA

### Student Learning Objectives:

Student will learn the proper procedures, techniques, chemistry and safety for running undergraduate general chemistry or organic chemistry lab. Fundamentals of chemistry and how they relate to laboratory techniques and experiments will be of utmost importance. Additionally, supervisory and management skills will be learned in the process of this course.

### Description of work to be completed by student:

Student will follow an experienced TA during the weekly lab meetings. Student will also attend a weekly staff meeting for the lab and conduct tutoring hours in the tutoring center. Student will assist during the lab, and as the semester proceeds he/she may be asked to lead a lab later in the term.

### Description of deliverables:

Student will complete a survey describing his/her experience and learning.

### Description of supervision (e.g. how often will student meet with supervisor, etc.):

Student will meet weekly with supervisor during weekly staff meeting and will be observed weekly in the lab.

### Evaluation and grading criteria:

Grade will be based on performance in the lab and completion of the survey.

### Acceptance of Course Contract:

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Faculty Supervisor Signature

\_\_\_\_\_  
Date