

Fall 2015

## **PHYS 3094**

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## **PHYS 3094 Syllabus**

Prerequisites: Consent of department. Department approval of research arrangements is required prior to registration.

Description: Individual research under the guidance of a departmental faculty member. A written report of the work carried out will be submitted by the student. The student must also give an oral presentation on his/her research. May be taken multiple times for a maximum of six credit hours; a total of 3 is required, but may be spread over more than one semester.

Credit: 1 - 6 credit hours

Text: Any required materials will be specified in the Course Contract

### Attendance Policy

This course requires 10 hours per week of laboratory, calculations and/or library research work. Scheduling should be devised in conjunction with the faculty supervisor. Failure to meet attendance requirements will result in a failing grade.

### Student Learning Objectives

Students who complete this course should have a sufficient understanding of the topic material and should be able to communicate their knowledge on the subject in both written and oral formats. Furthermore, students should have appropriate mastery of relevant laboratory skills, be competent in the relevant literature, and have an understanding of the research process. Additional details of specific learning objectives are to be included in the Course Contract.

### Exam Schedule

The final exam will consist of a written report (~5 pages single spaced in journal format) and an oral presentation (~20 minutes using PowerPoint), both focusing on the research completed by the student, and due on the completion of 3 or more credit hours, with interim progress reports due for each semester prior to completion.

### 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

### Disabilities

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 who seek accommodations for disabilities must contact the Office of Disability Services prior to discussing their individual needs for accommodation with their instructors.

### Academic Integrity

Students are expected to conduct themselves according to the principles of academic integrity as defined in the statement on Academic Dishonesty in the UNO Student Code of Conduct. Any student or group found to have committed an act of academic dishonesty shall have their case turned over to the Office of Student Accountability and Advocacy for disciplinary action which may result in penalties as severe as indefinite suspension from the University. Academic dishonesty includes, but is not limited to: cheating, plagiarism, fabrication, or misrepresentation, and being an accessory to an act of academic dishonesty.

### 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)

Scitation <http://scitation.aip.org/>

**PHYS 3094 COURSE CONTRACT**

Year: Semester:

Student Name: UNO ID:

Faculty Supervisor:

Credit hours: current semester total

Project Title:

Objectives:

Description of work to be completed by student:

Student's weekly schedule for research work (minimum of 10 hrs/wk):

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

Evaluation and grading criteria:

Acceptance of Course Contract:

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

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Date