

# Minnesota State University Moorhead

## PHYS 315: Physics Seminar

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

- PHYS 160 - College Physics I; OR
- PHYS 200 - General Physics I

Corequisites: None

MnTC Goals: None

Students will be required to read and present journal articles periodically. Students will discuss the physics involved and participate in informal discussions with the faculty and fellow students. Potential topics might include recent discoveries in physics or astronomy, novel experimental techniques or apparatus, novel physical theories, and demonstrations for physics instruction. Course is repeatable, but only a total of 2 credits in any combination of seminar (PHYS 315), research (PHYS 300), and internship (PHYS 469) counts towards physics electives for both the major and the minor.

**B. COURSE EFFECTIVE DATES:** 01/09/2002 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Content varies considerably depending on speakers for the semester but typically includes topics in: Astronomy. Solid state physics, Sustainability, Career development, Medical physics

### D. LEARNING OUTCOMES (General)

1. Discuss the content presented in seminar
2. Communicate basic scientific concepts clearly, concisely and professionally

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted