



PHY 470

Undergraduate Research and Technical Presentations

Course Description

Physics 470 is an individual instruction course involving undergraduate research and technical presentations. The purpose of this course will be to give the student experience in research and preparation for oral presentations on scientific research. Each student will learn how to use multimedia in his or her seminars.

Course Prerequisite

Junior or senior major status.

Specific Course Requirements

Textbook Requirements

None

Course Objectives

- Give students experience in physics and astronomy research
- Learn how to prepare for oral presentations on scientific research
- Learn how to use multimedia

Student Learning Outcomes

- Students must demonstrate a mastery of oral presentation of physics or astronomy research during two 20-30 minutes presentations.
- Students will learn about the different physics and astronomy research areas available in the Department of Physics and Astronomy at SFA.

Course Content

- Visits to active department research labs
- Research topics for oral presentations
- Oral presentation techniques
- Ethics survey
- Major Field Assessment Test

Course Assessment

During the semester each student will give two seminars. The seminars are graded based on comments by the faculty members on a scoring rubric. Students will also be graded on their performance on the Major Field Assessment Test and an ethics assessment survey.