PHYC 483 Seminar in Physics

Course Description

Selected literature on current topics in physics, astronomy, education or other fields in science. Students will report on departmental seminar series presentations, and make presentations on selected research topics.

A total of 2 hours of credit may be earned.

Course Objectives

The general objective of the course is to encourage students to participate in the departmental seminars and colloquia. The students will have opportunity to get familiar with various research topics in physics, astronomy and related fields. This experience will help them for the selection of their research topics, literature search, writing report and document preparation. The students will present their research work in the departmental seminars as well as in undergraduate professional meetings.

Course Rationale

This course serves the special needs of students majoring in physics. Students will prepare and make professional research presentations. Students will assess and compose written reports of departmental seminars, professional meetings, and related professional development.

Course Content, Format, and Bibliography

Content

Course content for each student will be selected from literature on current physics, engineering, astronomy, education and other science research. Students will be strongly encouraged for their involvement in research.

Format

Students will present their work in the departmental seminars as well as in undergraduate professional meetings. Students will be evaluated on the basis of their performance on presentations in the departmental seminars/professional meetings and their assessments/reflections of the semester department seminar series.

This course is taught as a dual undergraduate/graduate course. Students will be required to complete activities appropriate for the level of the course in which they are enrolled. Student performance on homework, exams and/or labs will be evaluated using different standards for undergraduate and graduate students.
Bibliography

Physics journals, papers, books and references related to the topic of research interests.