

63274 - 741 (32) Physics Project (6L, 6P)

2019

Course summary:

Independent work on a topic that forms part of Physics, 12998 chosen in consultation with lecturers in the Department of Physics. The project should form part of the research activities of the Physics Department under supervision of a suitable supervisor. The project must be approved by the research committee of the Physics Department. A written report has to be submitted and an oral presentation must be given. Each student must also complete an oral examination.

Module relevance in programme:

Independent research in a project that spans a longer term is a useful skill for anyone who wishes to continue working in physics or industry. The project provides a guided route through a project (or projects), developing depth in a specific topic, research tools, writing and presentation skills.

Outcomes of course:

This course exposes the student to independent project work. In particular the student is skilled in the use and reading of physics articles and the writing of scientific reports. A project supervisor will be allocated to the chosen project.

Lecturer:

Prof KK Müller-Nedebock

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Office: Room 1010 in the Merensky Physics Building.

Mentor:

The Department of Physics has appointed a staff member as mentor for each year of its physics programme to be available to students for consultation. Students should feel free to discuss general issues related to the physics programme or specific modules in the programme with the relevant mentor, in addition to usual consultations with their individual lecturers of modules.

The mentor for the Honours programme and its modules is Dr CM Steenkamp cmsteen@sun.ac.za

Course content:

Independent project work in the field of the student's choice of honours course, that can be either of an experimental or theoretical nature.

Study material:

Depends on the project chosen, but will involve the reading of articles in Physics Journals available in the Library.

Assessment:

Methods of Assessments

A final mark is awarded on the basis of the written report which will be assessed as agreed upon at the beginning of the project, depending on the field of honours study. The final essay(s) count 80% and an oral presentation a presentation with oral exam counts 20%.