

12998 - 372(8) Project (Theoretical Physics) (0.7l, 0.7p)

2016

Course summary:

Application(s) of topics forming part of the BSc programme in Physics, stream Theoretical Physics.

Continuous assessment.

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, a textbooks and the writing of scientific reports.

Lecturer:

Prof H Weigel

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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 second year programme and its modules is Dr CM Steenkamp cmsteen@sun.ac.za

Course content:

Supervised project work usually entailing reading various source texts independently and performing a calculation or simulation. The results of this are written up in a report.

The project is scheduled for the second semester of 2016. However, some projects may require an earlier starting date. It is crucial that students and supervisors agree on a suitable timeframe for the completion of the project. This should be finalized within the first two weeks of the second quarter.

Study material:

Depends on the project chosen, but will involve the reading of texts and articles available through the Library.

Assessment:

Methods of Assessments

A final mark is awarded on the basis of the written report (80%) and an oral presentation of the project (20%)