

University of Pretoria Yearbook 2018

Project 400 (EPR 400)

Qualification Undergraduate

Faculty Faculty of Engineering, Built Environment and Information Technology

Module credits 64.00

Programmes BEng Electrical Engineering

BEng Electrical Engineering ENGAGE

BEng Electronic Engineering

BEng Electronic Engineering ENGAGE

Prerequisites EWE 320 or ELO 320, Finalists only

Contact time 1 lecture per week

Language of tuition Separate classes for Afrikaans and English

Department Electrical, Electronic and Computer Engineering

Period of presentation Year

Module content

This module entails the individual completion of an engineering project from concept to delivery. The student must demonstrate independent mastery of an engineering project. The module focuses on the formulation of an engineering problem, the development of appropriate technical specifications, project planning and management and then completion of a technical project of a given nature, scope and complexity. The nature of projects is either mainly design (design, synthesis and testing) with a smaller component of investigation (experimental work and data analysis), or, alternatively, mainly investigation with a smaller component of design. As final step in the project, the student evaluates the final outcome of the design or investigation against the specifications and he/she also evaluates the impact of the project (social, legal, safety and environmental). Oral and written technical communication is evaluated as an important part of the module.

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