



University of Pretoria Yearbook 2022

Project 400 (EPR 400)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	64.00
NQF Level	08
Programmes	BEng (Electrical Engineering) BEng (Electrical Engineering) ENGAGE BEng (Electronic Engineering) BEng (Electronic Engineering) ENGAGE
Prerequisites	EWE 320 (Electrical Engineering) ELO 320 (Electronic Engineering), Finalists only
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Electrical, Electronic and Computer Engineering
Period of presentation	Year

Module content

This module entails the individual completion of a major engineering design project from concept to delivery. The student has to demonstrate the ability to develop a project concept into a completed final product that meets given requirements. The module focuses on the formulation of an engineering problem, the development of appropriate technical requirements and specifications (captured in a formal project proposal), project planning, design, implementation, verification that requirements are met, and completion of a technical project of a given nature, scope and complexity. The module requires the student to perform engineering design from first principles. At project completion, the student has to validate the actual design performance in real-world conditions against the design requirements and specifications. The design and results are documented in a major technical report, and the work is defended at a final oral examination and demonstration.

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