Overview

Design Project Management: Introduction to scheduling, costing, marketing, standards, patents, quality, safety, (electronic) manufacturing methods, engineering innovation, Report Writing and Oral Presentations. Design Methodology: Systematic design procedures, design documentation. Designing for quality, manufacture, maintenance, minimum life cycle cost. Aspects of Electronic Design: Component selection, tolerances, passive component characteristics. Also EMC, earthing and PCB layout principles. Engineering Drawing and Graphical Communications: Projections, dimensioning and drawing interpretation. Group Project: Students are required to design and build a photonic engineering project. This process will include producing specifications, detailed design, prototype production and testing. The Design will be presented in a seminar and documented in two formal technical reports that also consider scheduling, marketing and business plans.
Faculty
Faculty of Engineering

School
School of Electrical Engineering & Telecommunications

Study Level
Undergraduate

Indicative contact hours
6

Timetable
Visit timetable website for details
Equivalent Courses

TELE3117 6 UOC
Telecommunications Engineering Design

ELEC3017 6 UOC
Electrical Engineering Design

ELEC3117 6 UOC
Electrical Engineering Design
Course Outline

To access course outline, please visit:

PHTN3117 Course Outline
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
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ABN: 57 195 873 179