Course

Design and Manufacturing

MMAN2130 | 6 Units of Credit

Overview

This course introduces basic aspects of design and manufacturing, process selection, manufacturing processes, material selection based on material and physical properties and the use of computers in the design process. This is a project-based course delivered with blended approach. The project selected allows students to work individually and in a team environment to achieve the final objective, which is a workable product. As part of the project, students are asked to develop a product from a page of functional requirements by developing a concept sketch, material selection, detail engineering drawings, process plan and finally making the product in a workshop. At the end of the semester, the products are tested. The necessary skills required for carrying out the project is taught during the semester by using face-to-face and e-learning approaches. In carrying out this work the student is exposed to design principles and drawing practices which includes Computer aided Design and Drafting, the link between material selection and design, manufacturing processes and practical selection and limitations of manufacturing components and products. A continuing emphasis is placed on group work and report writing essential to engineering.
Faculty
Faculty of Engineering

School
School of Mechanical and Manufacturing Engineering

Study Level
Undergraduate

Offering Terms
Term 2, Term 3

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
4

Timetable
Visit timetable website for details
Course Outline

To access course outline, please visit:

MMAN2130 Course Outline
Fees

Commonwealth Supported Students  $1191  
Domestic Students  $5970  
International Students  $5970

DISCLAIMER
Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the fee website. 

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

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