

# MANU 2001 DESIGN AND MANUFACTURING

**Credit Points** 10

**Legacy Code** 301340

**Coordinator** Leigh Sheppard ([https://directory.westernsydney.edu.au/search/name/Leigh Sheppard/](https://directory.westernsydney.edu.au/search/name/Leigh%20Sheppard/))

**Description** This unit will be offered at Engineering Innovation Hub - Hassall St, Parramatta campus. This unit introduces basic aspects of design and manufacturing, process selection, manufacturing processes, material selection based on material properties and the use of computers in the design process. A 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.

**School** Eng, Design & Built Env

**Discipline** Manufacturing Engineering and Technology, Not Elsewhere Classified.

**Student Contribution Band** HECS Band 2 10cp

Check your HECS Band contribution amount via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 2 subject

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/ Group Task
Practical Exam	2 hours	20	N	Individual
Applied Project	2x CAD files and 1x CAM file	15	N	Individual
Applied Project	2x physical items	10	N	Individual
Practical Exam	2 hours	20	N	Individual
Report	15-20 pages (2500 words)	20	N	Individual
Report	a SOLIDWORKS 'Pack and Go' .zip file	15	N	Individual

Teaching Periods

## Spring Parramatta City - Macquarie St Day

**Subject Contact** Leigh Sheppard ([https://directory.westernsydney.edu.au/search/name/Leigh Sheppard/](https://directory.westernsydney.edu.au/search/name/Leigh%20Sheppard/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=MANU2001\\_22-SPR\\_PC\\_D#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=MANU2001_22-SPR_PC_D#subjects))