

# 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 subject will be offered at Engineering Innovation Hub - Hassall St, Parramatta campus. This subject 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 fees 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.

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