

# ENGR 4014 DESIGN PRACTICE: MANUFACTURED PRODUCT LIFECYCLE

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**Credit Points** 10

**Legacy Code** 301310

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

**Description** Visualisation analytics for sustainable manufacturing practices provide an essential contribution to planning and adoption for new product development. The application of product lifecycle management (PLM) methods through software interfaces permits the establishment of a digital environment to create, manufacture and manage innovation on a comprehensive basis. Students will engage with an innovation project from a PLM perspective as an extended enterprise with focus on time to market, waste optimisation, prototyping efficiency, and value chain collaboration.

**School** Eng, Design & Built Env

**Discipline** Other Engineering And Related Technologies

**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 4 subject

## **Assumed Knowledge**

The ability to communicate a design proposal using 2D or 3D computer software with annotations, and application of Australian Standards AS 1100 or related construction standards are desirable.