

# ENGR 4027 INDUSTRIAL DESIGN APPLIED RESEARCH PROJECT (HONOURS)

**Credit Points** 20

**Legacy Code** 301299

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

**Description** The Industrial Design Honours Program provides candidates with an opportunity to undertake a significant design research project and research training component that explores design issues including products, services, systems and research methods. In this unit students combine scholarly inquiry, critical thinking, design thinking, applied design research methods and exploratory prototyping informed by state of the art research via literature review, and human-centred design methods with ethical considerations. Discussion of results of preliminary concept explorations of low to medium fidelity are further refined towards a reframed and detailed design brief, research project timeline, and evolved design research methodology in preparation for a high quality research proposal and a substantial creative work.

**School** Eng, Design & Built Env

**Discipline** Other Engineering And Related Technologies

**Student Contribution Band** HECS Band 2 20cp

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 4 subject

**Equivalent Subjects** LGYC 4734 Industrial Design Project (Commencement)

## 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
Report	2,000 words	10	N	Individual
Applied Project	1,500 words	5	Y	Individual
Applied Project	1,500 words	15	N	Individual
Portfolio	30 pages (Process Diary) 15 pages (Engineering Drawings for fabrication) 15 pages (Project report)	30	N	Individual

Report	3 x Human-centred design prototypes 2 x functional principles models 1 x full size scale model study 1 x contextual perspective with intended industrial design proposal 10 minutes (Presentation)	40	N	Individual
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Teaching Periods

## Autumn

### Parramatta - Victoria Rd

#### Day

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

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=ENGR4027\\_22-AUT\\_PS\\_D#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR4027_22-AUT_PS_D#subjects))