

# ENGR 4036 ADVANCED ENGINEERING THESIS 2: DETAILED INVESTIGATIONS

**Credit Points** 10

**Legacy Code** 301484

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

**Description** Advanced Engineering Thesis 2 - Detailed Investigations subject consists of a research project designed and implemented under the direction of an academic supervisor and research mentor. This subject is the culmination of studies for students who have completed their first three years of an undergraduate degree and provides substantial training in detailed Investigations. Under staff supervision, students are allocated a particular topic for their research, design their own programme of research, and perform the research. The emphasis of this subject is on the application of research knowledge gained in other subjects and in Engineering Thesis 1 - Preliminary Investigations to the practical conduct of the individual research project. This subject provides final year Advanced engineering students with the opportunity to undertake research on a specialist topic within their Key Program of undergraduate study.

**School** Eng, Design & Built Env

**Discipline** Engineering and Related Technologies, 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 4 subject

**Pre-requisite(s)** ENGR 4037

**Equivalent Subjects** MECH 4006 - Advanced Engineering Thesis 2 Detailed Investigations

## 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
Presentation	Students are required to conduct a 20 minutes oral presentation during mid-semester break.	20	N	Individual
Report	8 pages in journal paper format	15	N	Individual
Thesis	60-80 pages	65	Y	Individual

Teaching Periods

## Spring (2023)

### Penrith (Kingswood)

**On-site**

**Subject Contact** Ee Loon Tan ([https://directory.westernsydney.edu.au/search/name/Ee Loon Tan/](https://directory.westernsydney.edu.au/search/name/Ee%20Loon%20Tan/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=ENGR4036\\_23-SPR\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ENGR4036_23-SPR_KW_1#subjects))

### Parramatta - Victoria Rd

**On-site**

**Subject Contact** Ee Loon Tan ([https://directory.westernsydney.edu.au/search/name/Ee Loon Tan/](https://directory.westernsydney.edu.au/search/name/Ee%20Loon%20Tan/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=ENGR4036\\_23-SPR\\_PS\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ENGR4036_23-SPR_PS_1#subjects))

## Autumn (2024)

### Penrith (Kingswood)

**On-site**

**Subject Contact** Ee Loon Tan ([https://directory.westernsydney.edu.au/search/name/Ee Loon Tan/](https://directory.westernsydney.edu.au/search/name/Ee%20Loon%20Tan/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=ENGR4036\\_24-AUT\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR4036_24-AUT_KW_1#subjects))

### Parramatta - Victoria Rd

**On-site**

**Subject Contact** Ee Loon Tan ([https://directory.westernsydney.edu.au/search/name/Ee Loon Tan/](https://directory.westernsydney.edu.au/search/name/Ee%20Loon%20Tan/))

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## Spring (2024)

### Penrith (Kingswood)

**On-site**

**Subject Contact** Ee Loon Tan ([https://directory.westernsydney.edu.au/search/name/Ee Loon Tan/](https://directory.westernsydney.edu.au/search/name/Ee%20Loon%20Tan/))

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