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HANDBOOK DESCRIPTION

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- They are based on student
- They take time to find

WHY WRITE AN HONOURS RESEARCH THESIS?

- Satisfy your intellectual curiosity
This is the most interesting part of the research process, but it is also the most time-consuming. You will be required to generate original ideas and defend them.
- Develop transferable research skills
Whether you choose to continue your research or not, the skills you develop during your honours thesis are valuable. These include:
 - as a market researcher
 - acquire the skills to find and evaluate information
 - navigate complex information
 - develop the ability to work independently
 - sharpen your argument
 - organize a long project
 - polish your oral communication skills
- Work closely with academic staff
At a large research university, you will have access to a wide range of academic resources and expertise.

SUPERVISION

- There are no specific hours as sessions are held throughout the year (see below).
- Meet (s and t) ings bet he s t ar r angement .
- Should s uper vis or s be on s t alt er nat ive ar r coor dinat or .

CONSULTATION

- The courses e coor dinat it or w be av ailable by prior appoi needed

EXPECTED LEARNING OUTCOMES

- At t he conclus
1. Develop a design or a process or investment (7, 8, 9, 10) engineer ing s t andar ds .
 2. Cr it ically effect
 3. Apply scient ific and engineer ing met
 4. Analy e dat mat a object ical met
 5. Demons t r at

BE (Hons) Program Learning Outcomes:

1. Comprehensive, theory-based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline.
2. Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline.
3. In-depth understanding of specialist bodies of knowledge within the engineering discipline.
4. Discernment of knowledge development and research directions within the engineering discipline.
5. Knowledge of engineering design practice and contextual factors impacting the engineering discipline.
6. Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline.
7. Application of established engineering methods to complex engineering problem solving.

HIGHER HONOURS A SUBMISSIONS

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SUMMARY OF ALL HIGHER HONOURS THESIS MARKED ASSESSMENTS

Higher Honours Thesis A:

1.	Component	Week 7	A1	Satisfactory/Unsatisfactory
2.	Component	Week 10	A2	10 % of Final Mark
3.	Component	Week 10	A3	5% of Final
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	3.			

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DATES TO NOTE

Refer t for Impor t o MNSW ant

Index A: Engineers Australia (EA) Competencies
 Table 1 Competencies for Professional Engineers

	Program Intended Learning Outcomes
PE1: Knowledge and Skill Base	PE1.1 Comprehensive, theory-based understanding of underpinning fundamentals
	PE1.2 Conceptual understanding of underpinning maths, analysis, statistics, computing
	PE1.3 In-depth understanding of specialist bodies of knowledge
	PE1.4 Discernment of knowledge development and research directions
	PE1.5 Knowledge of engineering design practice
	PE1.6 Understanding of scope, principles, norms, accountabilities of sustainable engineering practice
PE2: Engineering Application Ability	PE2.1 Application of established engineering methods to complex problem solving
	PE2.2 Fluent application of engineering techniques, tools and resources
	PE2.3 Application of systematic engineering synthesis and design processes
	PE2.4 Application of systematic approaches to the conduct and management of engineering projects
PE3: Professional and Personal Attributes	PE3.1 Ethical conduct and professional accountability

