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## ENGN2300 Engineering Design 2: Systems Approaches for Design

<https://programsandcourses.anu.edu.au/course/engn2300>

Prerequisite structure Open to students with particular courses

Prerequisite units Normally completed at least 48 units

**TD Skills: Do students develop transdisciplinary problem-solving skills through this course?**

**Likely**

*Students engage with and are supported to develop appropriate transdisciplinary problem-solving skills*

*For example*

LO [Systemic]: Reflect on taking a systems approach to engineering design in the context of professional engineering LO [Interactive]: Effectively communicate engineering designs through engineering models LO [Interactive]: Operate as an effective member of an engineering team across multiple disciplines

**TD Skills: Do students meaningfully collaborate across disciplinary/area difference through this course?**

**Somewhat Likely**

*Students from a common disciplinary background collaborating with experts from broad disciplinary backgrounds*

*For example*

Description: Design Project - You will be challenged in small teams to generate an engineering design using the systems approach that meets the requirements of project stakeholders..

**TD Context: How is the transdisciplinary problem-solving experience situated with respect to broader contexts?**

**Somewhat Likely**

*Students explore big-picture problems, ideas and broader contexts in relation to a discipline/area*

*For example*

Assessment: Project - The major project in this course will involve the application of systems engineering design practises to determine a preferred concept to solve a real-world engineering problem.