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# University of Pretoria Yearbook 2020

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## Design project 410 (MOX 410)

**Qualification** Undergraduate

**Faculty** [Faculty of Engineering, Built Environment and Information Technology](#)

**Module content** A comprehensive design and synthesis of components and systems relating to the mechanical engineering discipline. The design process includes aspects such as identifying and formulating the problem, functional and requirement analysis, conceptual design, detail design and analysis, ensuring that design meets applicable standards, codes of practice and legislation, techno-economic analysis (e.g. cost analysis) and considering the impacts and benefits of the design (e.g. social, environmental, health and safety). Professional and general communication of the design through written and oral communication.

**Module credits** 16.00

**Programmes** [BEng Mechanical Engineering](#)

[BEng Mechanical Engineering ENGAGE](#)

**Prerequisites** MOW 312 GS and MOW 323 GS

**Contact time** 8 tutorials per week

**Language of tuition** Separate classes for Afrikaans and English

**Department** Mechanical and Aeronautical Engineering

**Period of presentation** Semester 1

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