

University of Pretoria Yearbook 2021

Structural control 781 (MOI 781)

Qualification Postgraduate

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

Module credits 16.00

NQF Level 08

Prerequisites MBB 780 Control systems 780

Contact time 21 contact hours per semester

Language of tuition Module is presented in English

Department Mechanical and Aeronautical Engineering

Period of presentation Semester 2

Module content

Application of control techniques in order to actively control the dynamics of structures like beams and plates; pole placement technique, PID control, optimal control, feed-back control and feed-forward control; using tools like SIMULINK that can be used to simulate active control.

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