

University of Pretoria Yearbook 2022

Reactor materials engineering 786 (MUA 786)

Qualification Postgraduate

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

Module credits 16.00

NQF Level 08

Programmes [BEngHons Mechanical Engineering](#)

[BScHons \(Applied Science\) Mechanics](#)

Prerequisites MUA 785 Reactor materials engineering 785

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

Creep deformation, fracture processes and metallurgical fracture mechanics, fatigue fracture in nuclear materials, fabrication processes of nuclear materials.

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