



University of Pretoria Yearbook 2022

Rock engineering 410 (PSZ 410)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
NQF Level	08
Programmes	BEng (Mining Engineering) BEng (Mining Engineering) ENGAGE
Prerequisites	PSZ 310 Finalists only
Contact time	2 tutorials per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Mining Engineering
Period of presentation	Semester 1

Module content

Elementary mine layout design, pillar design and underground excavation support and their effects on SHE. Stress analysis of mining layouts and mine layout optimisation. This module covers rock mechanics practice applicable in underground hard rock mining environments at shallow, moderate and great depth.

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