

# University of Pretoria Yearbook 2021

## 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.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.