



# University of Pretoria Yearbook 2022

## Mining 410 (PMY 410)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Engineering, Built Environment and Information Technology</a>
<b>Module credits</b>	16.00
<b>NQF Level</b>	08
<b>Programmes</b>	<a href="#">BEng (Mining Engineering)</a> <a href="#">BEng (Mining Engineering) ENGAGE</a>
<b>Prerequisites</b>	PRX 321, PME 320, PMY 320, Finalists only
<b>Contact time</b>	1 tutorial per week, 2 practicals per week, 3 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Mining Engineering
<b>Period of presentation</b>	Semester 1

### Module content

Specific mining techniques. Shafts: Types, methods and equipment for sinking; economic considerations. Tunneling: Design, development techniques and equipment. Design and construction of large excavation. Design, construction, reinforcing and repair of ore passes. Fires in gold and coal mines: Causes, prevention, detection, combating and insurance. Flooding: Water sources, results, dangers, sealing and control.

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