



University of Pretoria Yearbook 2021

Mining 410 (PMY 410)

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| 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 | PRX 321, PME 320, PMY 320, Finalists only |
| Contact time | 1 tutorial per week, 2 practicals per week, 3 lectures per week |
| Language of tuition | Module is presented in English |
| Department | Mining Engineering |
| Period of presentation | 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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