

# University of Pretoria Yearbook 2018

## Mining 410 (PMY 410)

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| <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>Programmes</b>             | <a href="#">BEng Mining Engineering</a><br><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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