

# Universiteit van Pretoria Jaarboek 2017

## Ondergrondse mynboumetodes 701 (PMY 701)

|                               |                                                                               |
|-------------------------------|-------------------------------------------------------------------------------|
| <b>Kwalifikasie</b>           | Nagraads                                                                      |
| <b>Fakulteit</b>              | <a href="#">Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie</a> |
| <b>Modulekrediete</b>         | 32.00                                                                         |
| <b>Programme</b>              | <a href="#">BScHons Toegepaste Wetenskap Mynbou</a>                           |
| <b>Voorvereistes</b>          | Geen voorvereistes.                                                           |
| <b>Kontaktyd</b>              | 10 lesings per week                                                           |
| <b>Onderrigtaal</b>           | Module word in Engels aangebied                                               |
| <b>Akademiese organisasie</b> | Mynbou-ingenieurswese                                                         |
| <b>Aanbiedingstydperk</b>     | Semester 1 of Semester 2                                                      |

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

PMY 701 provides an overview of mining by covering the following subject matter: history of mining in South Africa, surface-mining methods, underground mining methods, and a brief overview of mine environmental control and mine strata control. Then the module covers general mine layouts, mine plan reading, mine surveying, electricity supply, transport systems, water management systems, and mine fires. 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.

Die inligting wat hier verskyn, is onderhewig aan verandering en kan na die publikasie van hierdie inligting gewysig word.. Die [Algemene Regulasies \(G Regulasies\)](#) is op alle fakulteite van die Universiteit van Pretoria van toepassing. Dit word vereis dat elke student volkome vertroud met hierdie regulasies sowel as met die inligting vervat in die [Algemene Reëls](#) sal wees. Onkunde betreffende hierdie regulasies en reëls sal nie as 'n verskoning by oortreding daarvan aangebied kan word nie.