

University of Pretoria Yearbook 2017

Minerals processing 310 (NMP 310)

Qualification Undergraduate

Faculty Faculty of Engineering, Built Environment and Information Technology

Module credits 16.00

Programmes BEng Metallurgical Engineering
BEng Metallurgical Engineering ENGAGE

BEng Mining Engineering
BEng Mining Engineering

BEng Mining Engineering ENGAGE

Prerequisites No prerequisites.

Contact time 3 lectures per week, 4 practicals per week

Language of tuition Module is presented in English

Academic organisation Materials Science and Metallur

Period of presentation Semester 1

Module content

Minerals processing in perspective (economic importance, economic nature of mineral deposits, mineral properties and analysis, mineral processing functions). Liberation analysis (importance and measurement of liberation; particle size analysis). Comminution (theories and principles, crushers, grinding mills). Screening and classification (industrial screening, cyclones). Concentration processes (gravity concentration, dense medium concentration). Froth flotation.

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.