

# University of Pretoria Yearbook 2017

## Particle technology 410 (CPA 410)

**Qualification** Undergraduate

**Faculty** [Faculty of Engineering, Built Environment and Information Technology](#)

**Module credits** 16.00

**Programmes** [BEng Chemical Engineering](#)

[BEng Chemical Engineering ENGAGE](#)

[BScHons Applied Science Chemical Technology](#)

**Prerequisites** COP 311

**Contact time** 3 tutorials per week, 4 lectures per week

**Language of tuition** Module is presented in English

**Academic organisation** Chemical Engineering

**Period of presentation** Semester 1

### Module content

Humidification and dehumidification of air. Water cooling, drying, crystallisation, ion exchange, particle technology, particle movement in a fluid, sedimentation. Hydrocyclones, flotation, filtration. Centrifuges. Fluidised bed technology. Mixing. Comminution. Pneumatic transport.

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.