

# University of Pretoria Yearbook 2020

## 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](#)

**Prerequisites** (COP 311)

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

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

**Department** 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.

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