

University of Pretoria Yearbook 2016

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 Applied Science: Chemical Technology](#)

[BScHons Applied Science Applied Science: Control](#)

Prerequisites COP 311

Contact time 3 tutorials per week, 4 lectures per week

Language of tuition Both Afr and Eng

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.

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