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.