



University of Pretoria Yearbook 2022

Particle technology 410 (CPA 410)

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| Qualification | Undergraduate |
| Faculty | Faculty of Engineering, Built Environment and Information Technology |
| Module credits | 16.00 |
| NQF Level | 08 |
| 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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