

# University of Pretoria Yearbook 2017

## Process analysis 420 (CPS 420)

**Qualification** Undergraduate

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

**Module credits** 8.00

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

**Prerequisites** CPS 410

**Contact time** 1 tutorial per week, 2 lectures per week

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

**Academic organisation** Chemical Engineering

**Period of presentation** Semester 2

### Module content

Pinch analysis and exergy analysis. Optimisation techniques. Flowsheet optimisation. Economic evaluation of processes. Applications using computer packages.

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