

University of Pretoria Yearbook 2016

Chemical engineering 113 (CIR 113)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	8.00
Programmes	BEng Chemical Engineering BEng Chemical Engineering Engage
Prerequisites	No prerequisites.
Contact time	2 tutorials per week, 2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Chemical Engineering
Period of presentation	Semester 1

Module content

Dimensions, units and their conversion. The mol unit, density, concentration. Specific volume, bulk density, density of ideal mixtures. Temperatures and conversions. Pressure, absolute and gauge. Expression of concentration. Empirical formulae. Introduction to material balances: strategy for solving problems. Material balances without chemical reaction. Combinations of equipment.

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