



University of Pretoria Yearbook 2021

Process design 421 (NOP 421)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	32.00
NQF Level	08
Programmes	BEng Metallurgical Engineering BEng Metallurgical Engineering ENGAGE
Prerequisites	(NMP 411), finalists only.
Contact time	1 lecture per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Materials Science and Metallurgical Engineering
Period of presentation	Semester 2

Module content

Philosophy of design and the design process; phases of plant design and their interrelationships. Principles of project planning and management. Unit and process design, simulation, economic evaluation and optimising as applicable to the metallurgical industry. Execution of a process design project, submission of a report, oral presentations and construction of a scale model.

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