University of Pretoria Yearbook 2019

Operational research 410 (BON 410)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module content	Review of basic probability, Markov chain models, Markov decision models. Queuing systems: M/M/1 queues (both finite and infinite capacity), etc.; deterministic and stochastic inventory models. Competitive games: pure and mixed strategies, optimum strategy, two-person zero-sum games, graphical methods and applications, LP methods for games.
Module credits	16.00
Programmes	BEng Industrial Engineering
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Prerequisites	(BES 220), (BOZ 312)
Contact time	3 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Industrial and Systems Engineering
Period of presentation	Semester 1