



University of Pretoria Yearbook 2022

Parametric stochastic processes 720 (PNP 720)

Qualification	Postgraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	15.00
NQF Level	08
Programmes	BComHons <i>Mathematical Statistics</i> BScHons <i>Mathematical Statistics</i>
Service modules	Faculty of Economic and Management Sciences
Prerequisites	Admission to either BScHons Mathematical Statistics or BComHons Mathematical Statistics
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1 or Semester 2

Module content

Introduction to statistical measure theory. Queueing processes: M/M/1; M/M/S; M/G/1 queues and variants; limiting distribution of the queue length and waiting times. Queueing networks. Some stochastic inventory and storage processes.

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