University of Pretoria Yearbook 2019

Parametric stochastic processes 720 (PNP 720)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	15.00
Programmes	BComHons Mathematical Statistics
	BScHons Mathematical Statistics
Service modules	Faculty of Economic and Management Sciences
Prerequisites	WST 312
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	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. Queuing networks. Some stochastic inventory and storage processes.

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