

University of Pretoria Yearbook 2022

Financial mathematics 282 (IAS 282)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
NQF Level	06
Programmes	BCom (Statistics and Data Science) BSc (Actuarial and Financial Mathematics) BSc (Mathematical Statistics)
Service modules	Faculty of Economic and Management Sciences
Prerequisites	IAS 211
Contact time	1 practical per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Actuarial Science
Period of presentation	Semester 2

Module content

Principles of actuarial modelling, cash-flow models, the time value of money, interest rates, discounting and accumulating, level annuities, deferred and increasing annuities, equations of value, loan schedules, project appraisal, elementary compound interest problems, term structure of interest rates.

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