

University of Pretoria Yearbook 2022

Mathematical modelling 155 (WTW 155)

Qualification Undergraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 8.00

NQF Level 05

Programmes [BSc extended programme - Mathematical Sciences](#)

[BSc extended programme - Physical Sciences](#)

Prerequisites 50% for Mathematics in Grade 12

Contact time 1 practical per week, 3 lectures per week, Foundation Course

Language of tuition Module is presented in English

Department Mathematics and Applied Mathematics

Period of presentation Semester 2

Module content

The module serves as an introduction to computer programming as used in science. Modelling of dynamical processes using difference equations; curve fitting and linear programming are studied. Applications are drawn from real-life situations in, among others, finance, economics physics and ecology.

This module is offered at the Mamelodi Campus to students from the BSc Extended programmes.

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