

# University of Pretoria Yearbook 2022

## Survival models 382 (IAS 382)

**Qualification** Undergraduate

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

**Module credits** 18.00

**NQF Level** 07

**Programmes** [BCom \(Statistics and Data Science\)](#)

[BSc \(Actuarial and Financial Mathematics\)](#)

[BSc \(Mathematical Statistics\)](#)

**Service modules** Faculty of Economic and Management Sciences

**Prerequisites** IAS 221 60%, IAS 282 60%, WST 211, WST 221, WTW 211, WTW 218

**Contact time** 1 practical per week, 2 lectures per week

**Language of tuition** Module is presented in English

**Department** Actuarial Science

**Period of presentation** Semester 1

### Module content

Survival models and the life table, estimating the lifetime distribution, proportional hazard models, the binomial and Poisson models, exposed to risk, graduation and statistical tests, methods of graduation.

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