

# University of Pretoria Yearbook 2022

## Statistics 162 (STK 162)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Economic and Management Sciences</a>
<b>Module credits</b>	7.00
<b>NQF Level</b>	05
<b>Prerequisites</b>	STK 110 GS or both STK 113 GS and STK 123 GS or both STK 133 and STK 143
<b>Contact time</b>	1 practical per week, 3 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Statistics
<b>Period of presentation</b>	Quarter 1 and 4

### Module content

Students can only get credit for one of the following modules: STK 120 or STK 121 or STK 162.

Statistical and economic applications of quantitative techniques:

Systems of linear equations: solving and application. Optimisation: linear, non-linear. Marginal and total functions. Stochastic and deterministic variables in statistical and economic context: producers' and consumers' surplus.

Supporting mathematical concepts. Statistical concepts are illustrated using simulation within a data science framework.

This module is also presented as an anti-semester (quarter 1) module. This is a terminating module.

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