Statistics 113 (STK 113)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	11.00
Programmes	BAdmin Public Management
	BCom Business Management
	BCom Communication Management
	BCom Economic and Management Sc
	BCom Entrepreneurship
	BCom Human Resource Management
	BCom Informatics: Information Systems
	BCom Law
	BCom Marketing Management
	BCom Option: Supply Chain Management
	BCom Recreation and Sports Management
	BEd Senior Phase and Further Education and Training Teaching
	BA Option: Sport and Recreation Management
	BConsumer Science Clothing: Retail Management
	BConsumer Science Foods: Retail Management
	BConsumer Science Hospitality Management
	BScAgric Agricultural Economics: Agribusiness Management
Service modules	Faculty of Education
	Faculty of Humanities
	Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.
Contact time	1 tutorial per week, 1 practical per week, 3 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Statistics
Period of presentation	Semester 1

Module content

*On its own, STK 113 and 123 will not be recognised for degree purposes, but exemption will be granted for STK 110.

Data operations and transformations:
Introductory concepts, the role of statistic, various types of data and the number system. Concepts underlying linear, quadratic, exponential, hyperbolic, logarithmic transformations of quantitative data, graphical representations, solving of equations, interpretations. Determining linear equations in practical situations. Characteristics of logarithmic functions. The relationship between the exponential and logarithmic functions in economic and related problems. Systems of equations in equilibrium. Additional concepts relating to data processing, functions and inverse functions, sigma notation, factorial notation, sequences and series, inequalities (strong, weak, absolute, conditional, double) and absolute values.

Descriptive statistics – Univariate:
Sampling and the collection of data, frequency distributions and graphical representations. Descriptive measures of location and dispersion. Introductory probability theory. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

The weekly one hour practical is presented during the last seven weeks of the semester.