

Course Title: **Foundation Statistics**

Course Code: **STAT400**

Descriptor Start Date: **01/01/2026**

POINTS: **15.00**

LEVEL: **4**

PREREQUISITE/S: **None**

COREQUISITE/S: **None**

RESTRICTION/S: **None**

LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

Total learning hours: 150

PRESCRIPTOR

An introduction to statistical concepts and methods including: the statistical enquiry cycle, tools to describe and plot data, exploring statistics in the media, the Normal distribution, sampling methods, experimental design, correlation and regression, using statistical software as a learning aid.

LEARNING OUTCOMES

1. Perform statistical tasks using statistical software
2. Read and evaluate statistical material to make inferences
3. Apply a range of statistical methods
4. Present statistical reports using appropriate tables, summary statistics, graphs, or computer output

CONTENT

- Use of Statistical Software
- The Statistical Enquiry Cycle
- Descriptive Statistics
- Picturing Data
- The Normal Distribution
- Exploring Statistics in the Media
- Sampling concepts and methods
- Experimental Design concepts
- Correlation and Regression

Disclaimer: Course descriptors may be amended between teaching periods/semesters

LEARNING & TEACHING STRATEGIES

- Asynchronous and Synchronous Teaching
- Lab tutorials
- Self-directed learning
- In-class Practical activities or Online simulations, videos and use of appropriate software

ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Assignment Part A and B	40.00	1,3,4
Test Part A and B	40.00	2-3
Lab Portfolio	20.00	1

Grade Map	MAP1
	A+ A A- Pass with Distinction
	B+ B B- Pass with Merit
	C+ C C- Pass
	D Fail

Overall requirement/s to pass the course:

To pass this course, students must attempt all summative assessments and achieve a minimum overall grade of C-.

LEARNING RESOURCES

A list of recommended readings and software will be provided

For further information, contact: Te Ara Auaha - Faculty of Design & Creative Technologies

Principal Programme: AK1311, Certificate in Science and Technology

Related Programme/s: AK1018
ICE1

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