

Course Title:	Quality Assurance
Course Code:	STAT602
Descriptor Start Date:	01/01/2022
Descriptor End Date:	30/01/2025
POINTS:	15.00
LEVEL:	6
PREREQUISITE/S:	STAT500
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

Development of awareness of the philosophies of Quality Management; statistical and organisational techniques for establishing, maintaining and improving quality.

LEARNING OUTCOMES

1. Define, and use appropriately, quality terminology
2. Describe the need for, and features of, Quality Management Systems (including Quality Costs, ISO 9000, Total Quality Management, Kaizen).
3. Describe the philosophies of Quality Management Practitioners (such as Shewart,
4. Distinguish between natural (common cause) variation and special cause variation
5. Describe techniques for Design Quality Improvement, such as Quality Function Deployment
6. Describe and apply appropriate methods for Data Collection
7. Apply the following statistical tools for process analysis and quality maintenance and development

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

CONTENT

Covers a range of quality assurance philosophies and techniques widely used in industry, focusing on Total Quality Management and ISO9000. Quality techniques covered include the basic TQM tools and Statistical Process Control.

LEARNING & TEACHING STRATEGIES

A variety of teaching methods, including role plays, case studies, exercises, practical tests and examination are used

ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Assignment	30.00	1-7
Mid semester test	20.00	1-7
Examination	50.00	1-7

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 the course, the student needs to gain a minimum grade of C- overall

LEARNING RESOURCES

A list of recommended readings will be provided

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

Principal Programme: DJ1041, Bachelor of Science

Related Programme/s: AK1042
AK1043
AK3001

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