

MAGISTER TECHNOLOGIAE: QUANTITY SURVEYING

(Structured)

Qualification code: MTQSS0 - NQF Level 8

Campus where offered: Pretoria Campus (day classes and research)

Last year of new intake: 2016

Teach-out (phase-out) date: 31 December 2019

Students registered for this qualification should complete their studies according to the teach-out date prescribed for the qualification, subject to the stipulations of Regulation 3.1.11 and 3.1.13 in the Students' Rules and Regulations.

Information on phased-out programmes can be obtained from the TUT website, www.tut.ac.za.

CURRICULUM

Consult the 2016 Faculty Prospectus for the full contents of the qualification.

ATTENDANCE

CODE	SUBJECT	CREDIT
CEC500T	Construction Economics V	(0,100)
DLM500T	Development Management V	(0,100)
QSU510T	Quantity Surveying V	(0,200)
QSV500T	Research Report: Quantity Surveying V	(0,500)
QSV500R	Research Report: Quantity Surveying V (re-registration)	(0,000)
QSV501R	Research Report: Quantity Surveying V (re-registration) (semester option)	(0,000)
RMD110H	Research Methodology	(0,100)
TOTAL CREDITS FOR THE QUALIFICATION:		1,000

SUBJECT INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular subject. On 8 August 2018, the syllabus content was defined as follows:

C

CONSTRUCTION ECONOMICS V (CEC500T)

1 X 4-HOUR PAPER (OPEN BOOK)

(Subject custodian: Department of Building Sciences)

South African property law and taxation, property and facilities management, asset management, investment in capital projects, financing decisions, dividend decisions, property valuation and development. (Total tuition time: ± 180 hours)

D

DEVELOPMENT MANAGEMENT V (DLM500T)

1 X 4-HOUR PAPER (OPEN BOOK)

(Subject custodian: Department of Building Sciences)

External environment and stakeholders, the logistics concept, strategic approaches to logistics, operations and material flow, elements of a supply chain, in-bound logistics, production requirements through purchasing, the production system, design and productivity, production planning and control, the impact of inventory on production, inventory management, out-bound logistics, operations management in service industries. (Total tuition time: ± 180 hours)



Q**QUANTITY SURVEYING V (QSU510T)****1 X 5-HOUR PAPER (PRESCRIBED OPEN BOOK)****(Subject custodian: Department of Building Sciences)**

Objectives of project management, planning projects, estimating for control, project organisation, project control. Project management services in the context of a professional quantity surveying practice, construction management, project administration, project monitoring and quality inspection of construction works. (Total tuition time: ± 180 hours)

R**RESEARCH METHODOLOGY (RMD110H)****CONTINUOUS ASSESSMENT****(Subject custodian: Department of Building Sciences)**

Study designs, proposal writing, sample size and power calculations, descriptive and univariate methods of data analysis such as descriptive statistics and graphs, one-sample tests and confidence intervals, two-sample tests and confidence intervals, Pearson's chi-square tests of association, multivariate methods of data analysis such as simple and multiple linear regression analysis, logistic regression analysis, qualitative research methods, use of commonly used statistical packages such as STATA, SPSS, NVIVO and ATLAS for quantitative and qualitative data analysis. (Total tuition time: ± 36 hours)

RESEARCH REPORT: QUANTITY SURVEYING V (QSV500T/R, QSV501R)**MINI-DISSERTATION ASSESSMENT****(Subject custodian: Department of Building Sciences)**

Each student must identify an appropriate topic within the chosen discipline and prepare a proposal which must be approved by the Departmental Research Committee (DRC). Under the guidance of an assigned academic supervisor, the student must demonstrate an understanding of the conceptualisation of the research problem and critical review of the underlying theory and relevant literature. The student must design and explain the research methods used and demonstrate the application of appropriate tools of data analysis. Further discuss the results, make conclusions and recommendations. The research must follow a systematic and logical format accepted for academic research reporting norms and be written in a satisfactory language. (No formal tuition)

