University of Pretoria Yearbook 2016

BScHons Quantity Surveying Quantity Surveying (12242014)

Duration of study	2 years
Total credits	152
Contact	Mr DJ Hoffman danie.hoffman@up.ac.za +27 (0)124202551

Programme information

A student is required to attend lectures diligently, but in addition it is expected of the students, to work at least 480 hours part-time in the offices of a registered quantity surveyor on tasks which meet the requirements for registration in terms of the Quantity Surveying Profession Act. It will be expected of students to keep a logbook on the prescribed template.

Also refer to G Regulations G.16 to G.29 and G.54.

Admission requirements

A person shall not be admitted as a candidate for the degree unless he or she:

(a) is a graduate of the BSc in Quantity Surveying degree of this University; or
(b) is the holder of any three-year bachelor's degree of this, or any other university recognised for the purpose by the head of department as equivalent to the BSc in Quantity Surveying degree of this University; or
(c) has in any other manner attained a level of competence which in the opinion of the head of department is adequate for the purpose of admission.

Additional requirements

Selection is based on an applicant's academic record and experience. Applicants may be required to attend an interview and/or write an entrance examination.

Examinations and pass requirements

A minimum semester/year mark of 40% is required in order to be admitted to the examination in a specific module. In addition, all other examination admission requirements, applicable to the relevant module, must have been met.

Supplementary examinations

No supplementary examinations are granted at postgraduate level.

Special examinations

No special examinations are granted at postgraduate level.

The degree is awarded when all prescribed modules have been passed.

Pass with distinction

The degree is conferred with distinction if students registered for the degree for the first time, complete the degree within the minimum prescribed time and pass all modules with a weighted average of 75% (excluding POU 700).

Curriculum: Final year

Minimum credits: 158

Core modules

Building cost estimation 700 (BKR 700)

Module credits	24.00
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Construction Economics
Period of presentation	Year

Module content

Estimation of building costs – principles and process; elements of a price; rough quantities and inclusive quantities (elemental and builders' quantities) for estimating; estimating methods; pricing of various trades and preliminaries; analysis of building cost; building cost escalation; design cost management.

Quantity surveying practice 700 (BRK 700)

Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Year

Module content

Construction Procurement Guidelines; standards for uniformity; contract administration; project administration; conditions of appointment and fee accounts; consortiums; tendering for professional services; professional indemnity; Public Private Partnerships; Quantity Surveying Professions Act; Council for the Built Environment Act; CIDB Act.
Construction Industry Development Board Act (CIDB Act), Public Finance Management Act (PFMA), Municipal Finance Management Act (MFMA) and Preferential Procurement Policy Framework Act (PPPFA).

Research report 785 (BRK 785)

Module credits	30.00
Prerequisites	No prerequisites.
Language of tuition	Both Afr and Eng
Academic organisation	Construction Economics
Period of presentation	Year

Module content

An essay on a subject approved by the head of department should be handed in during the final year of study.

Management practice 700 (BTP 700)

Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 2

Module content

A study of effective business management with reference to various organisational functions. Attention is paid to the built environment practitioner within this context.

Quantities 700 (HVH 700)

Module credits	24.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week, 1 practical per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Year

Module content

Measuring of demolitions, alterations, advanced earthworks and mechanical services. Preliminaries, types of bills of quantities and compilation of bills of quantities including the application of the procurement prescripts of the Construction Industry Development Board in the Public Sector. Geotechnical and civil engineering works.

Construction management 710 (KBS 710)

Module credits	9.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 1

Module content

Operational management techniques, productivity, work study and effect on price determination. Construction programming techniques.

Construction contract law 730 (KKR 730)

Module credits	12.00
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 1

Module content

Construction law and law of delict – an overview; history of building contracts in South Africa; JBCC principal building and nominated/selected subcontract agreements: interpretation, insurance and security, execution, completion, payment, suspension and termination, dispute resolution; JBCC minor works agreement; case studies.

Construction contract law 740 (KKR 740)

Module credits	12.00
Prerequisites	KKR 730 GS
Contact time	4 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 2

Module content

Application and terms of CIDB endorsed standard construction contracts other than JBCC (GCC, NEC and FIDIC); case studies. Alternative dispute resolution: mediation, adjudication and arbitration; litigation - an overview; law of delict; negligence and damage to property.

Construction project management 730 (KPB 730)

Module credits	9.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 1

Module content

Introduction to project management in the building and property industry. Key processes, knowledge areas and techniques are covered.

Feasibility studies 710 (EUS 710)

Module credits	9.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 1

Module content

Overview of factors affecting the feasibility of proposed property developments, including a brief introduction to town planning, valuation, financing, marketing and investment principles.

Feasibility studies 720 (EUS 720)

Module credits	9.00
Contact time	3 lectures per week
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 2

Module content

Detailed financial viability studies of different types of property developments; value management and life-cycle costing.

Practical development feasibility 700 (POU 700)

Module credits	2.00
Prerequisites	No prerequisites.
Contact time	20 contact hours
Language of tuition	Double Medium
Academic organisation	Construction Economics
Period of presentation	Semester 1 and Semester 2

The information published here is subject to change and may be amended after the publication of this information. The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the General Rules section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.