University of Pretoria Yearbook 2018

BScHons Construction Management (12242018)

Minimum duration of study	1 year
Total credits	152
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Programme information

A student is required to attend lectures diligently, but in addition the student must complete a compulsory minimum of 240 hours of temporary employment with a suitable employer in the construction industry/built environment (registered quantity surveyor, contractor, developer, property owner, etc). As proof of the practical experience the student must submit an approved log book signed by the employer.

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

Admission requirements

The admission requirements must be read in conjuction with the General Regulations.

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

(a) is a graduate of the BSc in Construction Management 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 Construction Management 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: 152

Core modules

Feasibility studies 710 (EUS 710)

Module credits	9.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	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	Module is presented in English
Department	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.

Financial management 700 (FMT 700)

Module credits	18.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Construction Economics
Period of presentation	Year

Module content

Budget estimates, cash-flow schedules, financial statements and construction financial management calculations and accounting.

Construction management 710 (KBS 710)

Module credits	9.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Construction Economics
Period of presentation	Semester 1

Module content

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

Construction management 720 (KBS 720)

Module credits	9.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Construction Economics
Period of presentation	Semester 2

Module content

Human resource management. An approved certificate in first aid has to be submitted before this module will be awarded.

Research report 785 (KBS 785)

Module credits	30.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Construction Economics
Period of presentation	Year

Module content

An essay on a subject approved by the head of department has to be completed during the final year of study.

Construction entrepreneurship 740 (KEN 740)

Module credits	9.00
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Module is presented in English

Department	Construction Economics
Period of presentation	Semester 2

Module content

Entrepreneurship, strategic management and marketing. Business ethics.

Construction contract law 730 (KKR 730)

Module credits	12.00
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	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	Module is presented in English
Department	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	Module is presented in English
Department	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.

Construction quantities 700 (KSH 700)

Module credits	24.00
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Construction Economics
Period of presentation	Year

Module content

Preliminaries and pricing thereof, different types of bills of quantities, tender documentation, economical designs, building cost estimates, analysis of building costs, calculation of professional fees. Practical contractor's administration and internal and external cost management. Project and Construction Management Professions Act; Council for the Built Environment Act (CBE Act); Construction Industry Development Board Act (CIDB Act). Geotechnical and civil engineering works.

Practical development feasibility 700 (POU 700)

Module credits	2.00
Prerequisites	No prerequisites.
Contact time	20 contact hours
Language of tuition	Module is presented in English
Department	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.