PhD: CONSTRUCTION MANAGEMENT (NQF 10) P6CONQ

EB13.9.1 Purpose of the qualification

Construction management is a holistically developed built environment discipline in that the related tertiary education addresses three main streams, namely management, economics and science and technology. This empowers construction management graduates to manage the business of construction and projects (the physical process), as construction managers. Furthermore, construction management is the 'gateway' qualification for construction project management, which is the management of projects from conception to completion on behalf of a client, including design delivery, integration of design and construction, and the overseeing of construction. Expertise in this area is therefore imperative for the infrastructural development of South Africa and the African continent.

The purpose of the programme is to develop an intellectual with advanced abilities in applying construction engineering management with other related inter-disciplinary principles, in order to address construction management related problems within the sector. One of the main objectives in this process is to develop an advanced capability to conduct inter-disciplinary construction engineering management research of an original nature. It also aims to promote a lifelong learning approach, as well as an aptitude for training other students in similar fields.

EB13.9.2 Qualification Outcomes Exit Level Outcomes:

Upon completion of this programme, a student should be able to:

1. Analyse and solve construction engineering management research/development problems of an original nature creatively and innovatively by applying relevant advanced fundamental knowledge of Construction Management Sciences in the chosen field of research.
2. Plan and manage research projects, demonstrating fundamental knowledge, understanding and insight into the principles, methodologies and concepts that constitute socially responsible (to local and other communities) construction research/development/management in the chosen field of research practice.
3. Plan and conduct advanced inter-disciplinary investigations, research and/or experiments of an original nature by applying or developing appropriate theories and methodologies and perform appropriate data analysis and interpretation.
4. Communicate effectively, both orally and in writing, with specific research institutions, audiences and the community at large, in so far as they are affected by the research, using appropriate structure, style and graphical support.
5. Apply and assess appropriate advanced inter-disciplinary research methods, skills, tools and information technology effectively and critically in construction engineering management research/development practice and show an understanding and a willingness to accept responsibility for the impact of research/development activities on society and the environment.
6. Perform synthesis of components, systems, works, products or processes as a set of related systems and assess their social, legal, health, safety and environmental impact and benefits, where applicable, in the chosen field of inter-disciplinary research.
7. Demonstrate cultural and aesthetic sensitivity across a range of social contexts in the execution of construction engineering management research/development activities.

EB13.9.3 Admission requirements

An approved master's degree in Construction Management or any Built Environment discipline or a similar approved degree at master's level.

EB13.9.4 Selection Criteria

Students are selected based on academic merit and an approved field(s) of study. An average mark of 65% in the previous degree qualification is required.

EB13.9.5 Conferment of the degree

The PhD: Master's degree in Construction Management will be conferred on students who have completed the research seminar and thesis successfully.

EB13.9.6 Curriculum

CODE	FIRST YEAR
P6CO110	Thesis: Construction Management 1
P6CO210	Thesis: Construction Management 2