EB12.8.1 Purpose of the qualification

Quantity Surveyors are major players in the construction industry as they play a significant part in the management of construction business. The increasing complexity of the construction process requires high levels of engineering and management skills. Today, the planning, designing, costing, managing, building, and maintenance of facilities, require a higher level of sophistication and expertise than ever before. Many capable professionals and academics are unable to fill high level managerial appointments in the construction industry because of a lack of management education and experience.

The purpose of the programme is to develop an intellectual with the advanced ability to produce quantity surveying research that seeks to add knowledge and growth to this particular sector. One of the main objectives in this process is to develop an advanced capability to conduct inter-disciplinary quantity surveying research of an original nature. It will also promote a lifelong learning approach, as well as an aptitude for training other students in similar fields.

EB12.8.2 Qualification Outcomes

Exit Level Outcomes:

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

1. Analyse and solve Quantity Surveying (Construction Economics) 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 Quantity Surveying (Construction Economics) 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. Apply a 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 and provide guidance where applicable and demonstrate cultural and aesthetic sensitivity across a range of social contexts in the execution of Quantity Surveying (Construction Economics) research/development activities.

EB12.8.3 Admission requirements

An approved master's degree in Quantity Surveying (Construction Economics) or any Built Environment discipline or a similar approved degree at master's level.

EB12.8.4 Selection Criteria

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

EB12.8.5 Conferment of the degree

The PhD: Quantity Surveying will be conferred on students who have completed the research seminar and thesis successfully.

EB12.8.6 Curriculum

CODE	FIRST YEAR
P6CO110	Thesis: Quantity Surveying 1

P6CO210	Thesis: Quantity Surveying 2