

Advanced Diploma in Quantity Surveying

OVERVIEW

Quantity Surveyors play a crucial role in the construction industry to assess the feasibility of a building project in terms of the cost and financial aspects of building / construction projects from inception through to practical completion and beyond. The Advanced Diploma in Quantity Surveying will give learners an excellent and effective start to be a professional Quantity Surveyor/ Estimator and also lead to higher education.

PROGRAMME OBJECTIVES:

The QS or Construction Cost Manager is responsible for the financial and contractual management of construction and is active in every stage of the development process. Increasingly they direct and help clients achieve their corporate and business requirements throughout a construction project. In both the public and private sectors they contribute to responsible budgeting and achieving value for money. Within contracting organisations, a QS is also involved in a commercial management role, ensuring that the financial well-being of the business itself is maintained.

The course content provides learners with a thorough knowledge and the essential skills and talents to work as a successful Quantity Surveying professional who will play a key role in multi-million-dollar projects.

DURATION COMPONENTS:

Classroom Training Hours: 30 Hours Per Module

MODULE SYNOPSIS:

MB301 Measurement (Builders)

This module is introducing students with the basic skills of measurement not limited to conditions of contract will generally nominate a set of rules of measurement and so the development of measurement skills devolves on the correct interpretation of these rules as well as with unambiguous and repeatable sets of measurements resulting in quantities of work in place.

PC302 Procurement and Contracts

The theoretical aspects of contract administration, bidding and procurement processes had been covered in year 1 (Specialist Diploma Level).

This module aims to provide insight into the managerial perspectives and practices in assessing project contracts and procurement processes and exploring the stages of contracting and procurement in the project environment.

The module will include skills and techniques designed to develop a procurement plan, contract statement of work, contract evaluation criteria, request proposals, project management plans, administration and closure.

ASSESSMENT METHODS:

70% Coursework & 30% Examination

(Excluding ADIA509 and ADIP509 is 100% Coursework)

PROGRAMME OUTCOMES:

Upon completion of this course, the learners:

- to be equipped with the required broad based academic foundation and practical skills in surveying enabling them to enter into an international workplace and enable them to work as a competent associate professional in the surveying and construction industry and intellectual abilities and transferable skills
- to apply skills and strategies in learning, to deal with problems creatively, to communicate, interact and work well with people, and to operate across disciplines and professional boundaries
- to acquire the relevant skills necessary to provide an immediate contribution to the construction industry upon graduation.

AWARDING BODIES:

Global School of Technology and Management

NUMBER OF MODULE:

9

TOTAL CONTACT HOURS:

240

CPB306 Cost Planning and Budgeting

The aim of this module is to give the student of quantity surveying an appreciation of the skill and practice of cost planning and the place of cost planning in the overall cost control process.

CL305 Contract Law

This module introduces students with the fundamental knowledge and skills in the understanding of the general legal framework and legal issues that arise from day-to-day business activities.

It helps students develop an awareness of and understand both contract law and statute concerning commercial activities within a legal context. It also helps students develop critical thinking skills to solve or avoid legal problems and craft legal arguments.

MME304 Measurement (M&E)

This module introduces students with the basic skills in the measurement of mechanical and electrical (M & M&E) works within a building to comply with the Standard Method of Measurement not limited to conditions of contract will generally nominate a set of rules of measurement. So the development of measurement skills devolves on the correct interpretation of these rules and specific and repeatable sets of measurements resulting in quantities of work in place.

ET307 Estimation and Tendering

The processes and techniques involved in measuring, estimating and tendering processes had been covered in year 1 (Specialist Diploma Level). This module aims to provide an insight into tendering processes and procedures used in construction and the built environment.

Students will also gain skills to estimate for construction operations. Students will also learn a practical approach to estimating and tendering from a contractor's perspective and explaining the estimator's role within the construction team.

CT(1)303 Construction Technology 1

The module aims to enable students to begin a complete understanding of construction technology on the common building and civil engineering projects.

Topic covered the Project management; Building measurement; Structure; Concrete; Steel; Precast concrete; Walls; Windows & doors & staircase; Roof structures; and Long span roof construction.

CT(2)308 Construction Technology 2

This Construction Technology 2 is a synoptic pair, and Construction Technology 1 took in an earlier module. Construction Technology 1 dealt with a general overview of construction aspects, and this module deals with the construction details for low rise domestic building.

The module aims to enable students to understand further and apply construction technology in the building, construction, and the built environment.

Topic covered the Site Investigation; Foundations; Deep Basement construction and its safety aspects; Portal Frames; Pre-stressed Concrete; Claddings; Types of formworks; Innovative Construction Technology and Building – Electrical Technology

ADIA509 Industry Attachment

Industrial Attachment is an important aspect and a component of a students' development. As part of the course curriculum, students are expected to undertake a 24 weeks/ 6-month industrial attachment in the related industries. Students will take an internship programme with construction companies which related to their interest or area of specialisation.

GSTM will facilitate the arrangement and process of student's entire Industrial Attachment. Industrial Attachment applies to all students. Throughout the six-month attachment, the program will facilitate student-learning opportunities outside the classroom. Different business organisations will have different modes of training, which would be typical in real-life environments

Industrial Attachment is an integral part of the course. In the unlikely event that a student cannot be placed for Industrial Attachment, due to circumstances beyond the control of the student or the college, like non-approval of the Training Work Permit by the Ministry of Manpower, the student will be required to complete an Industrial Project (5000 words) under the supervision of a lecturer from GSTM.

ADIP09 Industry Project

The industrial project applies only when a student is unable to secure an industrial attachment with any organisation. In the absence of an industrial attachment, the student has to complete an individual project lasting 2 months.

The industrial project (5000 words) topic must be relevant to the construction management industry and approved by the school. Students have a maximum of 2 months to complete the project after approval. The Industrial Project provides an opportunity for students to integrate their knowledge through application to a practical-based classroom project by selecting the student's choice of industry. Preferably, this project focuses on an identified management issues and/or opportunity of an organisation.

The project work involves students developing, managing and achieving the objectives of the construction management project and applying theories, topics and knowledge that the students have learned in a real case scenario. It encourages a holistic approach to managing the managerial aspects of a construction management project, using the multiple theories and topics that the students have learned.