

Advanced Diploma in Construction Management

OVERVIEW

Construction Management is the overall planning, coordination and control of a project from beginning to completion. It is aimed at meeting a client's requirement in order to produce a functionally and financially viable project. The construction industry is composed of five sections: Residential, commercial, heavy civil, industrial and environmental. A Construction Manager holds the same processes in each sector. All that separates a construction manager in one sector from one in another is the knowledge of the construction site.

PROGRAMME OBJECTIVES:

This Advanced diploma is designed to meet the needs of builders, including selecting contractors, overseeing the work and its quality, and liaising with the client. This programme also suitable for building professionals who coordinate the construction of a buildings where they are responsible for the overall completion of the job and senior managers within the large building, construction and service firms handling complex projects and process. The programme helps learners establish sound building development and construction skills that will meet the project criteria for time, cost and quality control.

ASSESSMENT METHODS:

70% Coursework & 30% Examination

DURATION COMPONENTS:

Classroom Training Hours: 30 Hours Per Module

MODULE SYNOPSIS:

WSH201 Workplace Safety and Health Practice in Building Industry

Upon completion of this module, students will be able to explain the main health, safety and welfare legislation in the construction sector including the requirements of an effective health and safety policy along with the organizational arrangements necessary for its implementation, demonstrate an understanding of hazard and risk identification in design and construction, undertake risk assessment and formulate control measures to prevent ill health and injury and review, revise and monitor assessments as required.

SPM301 Site Planning and Management

This module is focus on familiar students with the construction site events which include site access/preparation., site requirement for temporary facilities and techniques used for planning and monitoring.

PC302 Procurement and Contracts

This module is introducing new and existing areas of theory and practice related to contract and procurement in construction, building and the built environment industry.

SRM304 Safety and Risk Management

This module is equipped students with the health & safety problems associated with the construction industry. This is incusing the safety laws in Singapore relevant to construction operations and the office environment, Work Place Safety & Health Regulations by the Ministry of Manpower and the theory and practice of safety management in the construction industry

PROGRAMME OUTCOMES:

Upon completion of this course, the student will able:

- to gain an understanding of the specialist skills and knowledge required to become a construction manager or construction project manager in a range of work contexts, including the project management environment
- to demonstrate how the practical application of construction management theory can deliver outstanding outcomes;
- to obtain up-to-date knowledge of current and future trends in construction management whilst developing the skills of critical evaluation and analysis that the learner needs in the construction and the built environment industry.
- to develop skill sets to effectively supervise and administer the many activities of a large commercial building development, ensuring all key activities & deliverables are successfully coordinated and managed throughout each stage of the project.

AWARDING BODIES:

Global School of Technology and Management

NUMBER OF MODULE:

8

TOTAL CONTACT HOURS:

264

PSC305 Project Supervision & Control

This module is focus on understanding of the processes of supervision of construction operations, site and HQ procurement, site material and waste management, Total Quality; Quality Assurance and control and safety in Construction; liability on contractors and procedures in the event of accidents

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

HMBE307 Human Management in the Built Environment

This module is introducing the students with a solid understanding of the importance of people management in organisation and principles of successful management of the people who work in organizations and of human resource management issues in public and private sector organizations.

CT(1)303 Construction Technology 1

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

CT(2)308 Construction Technology 2

The module aims enable students to further understanding and application of construction technology in the context of building, construction and the built environment.