

**PROFESSIONAL DIPLOMA IN CONSTRUCTION MANAGEMENT**  
**COURSE OUTLINE**

**Module Code: PDCM 01**

**Corporate Governance, Licensure Management and Social Responsibility for Construction Enterprises**

Level	:	6
Credit Value	:	10
Guided Learning Hour	:	30 hours
Contact	:	12 hours

**Module Aim**

The aim of this unit is to review the corporate governance, licensure system and social responsibility for construction enterprises and their applications in the industry.

**Module Introduction**

In this unit, learners are guided to review, evaluate and criticize the legal, commercial and social requirements of corporate governance, licensure requirement and social responsibility in construction enterprises and able to design and apply appropriate methodology in construction management.

**Learning Outcomes & Contents**

Outcome		Content
LO-1	Review and evaluate the corporate governance in construction enterprises of different scales.	<ul style="list-style-type: none"> <li>▪ Construction professionals and enterprises in the industry</li> <li>▪ Contractors' economics</li> <li>▪ Management organization</li> <li>▪ Company policies</li> <li>▪ Management strategies</li> </ul>
LO-2	Review and evaluate the constructors' licensure requirements and practices.	<ul style="list-style-type: none"> <li>▪ Contractors for public works</li> <li>▪ Contractors' Registrations for private sector</li> <li>▪ Role of Registered Contractors (RC), Technical Director (TD) and Authorized Signatory (AS)</li> <li>▪ Site Supervision Plan (SSP) and Technically Competent Persons (TCPs)</li> </ul>
LO-3	Criticize the constructors' social responsibilities.	<ul style="list-style-type: none"> <li>▪ Social Responsibilities of construction enterprises</li> <li>▪ Sustainable development</li> </ul>

**Assessment**

By written test: 90 minutes

**Module Code: PDCM 02**

**Statutory Administration and Legal Requirements in Construction Works**

Level	:	6
Credit Value	:	10
Guided Learning Hour	:	30 hours
Contact	:	12 hours

**Module Aim**

The aim of this unit is to review the statutory administration procedure and legal requirements in connection with construction works.

**Module Introduction**

In this unit, learners are guided to assess and evaluate the statutory project administration procedures and legal requirements in connection with construction works.

**Learning Outcomes & Contents**

Outcome		Content
LO-1	Building Control Mechanism	<ul style="list-style-type: none"> <li>▪ Building safety and slopesafety</li> <li>▪ Planning, design and construction</li> <li>▪ Project Administrative Procedures: new works, A&amp;A works, repair and maintenance</li> <li>▪ Site Supervision Plan</li> <li>▪ Site Audit and Site Monitoring</li> </ul>
LO-2	Environmental Controls	<ul style="list-style-type: none"> <li>▪ Air, Water, Waste, Noise</li> </ul>
LO-3	Other Authorities' Controls	<ul style="list-style-type: none"> <li>▪ FSD, WSD, DSD, EMSD, HyD, TD, CEDD-GEO, LD, FEHD</li> </ul>

**Assessment**

By written test: 90 minutes

**Module Code: PDCM 03**

**Construction Project Management for Professionals**

Level	:	6
Credit Value	:	10
Guided Learning Hour	:	30 hours
Contact	:	12 hours

**Module Aim**

The aim of this unit is to give learners the professional skills needed to undertake a construction project.

**Module Introduction**

In this unit, learners are guided to assess the successful essences of managing construction projects effectively within specific time frame, budget, quality and safety requirements.

**Learning Outcomes & Contents**

Outcome		Content
LO-1	Review and criticize the Key Successful Factors (KSF) of construction project management	<ul style="list-style-type: none"> <li>▪ What shall a construction manager do?</li> <li>▪ Do the things right or do the right things?</li> <li>▪ How do you prioritize Time, Budget, Quality and Safety?</li> </ul>
LO-2	Plan and mobilize your resources	<ul style="list-style-type: none"> <li>▪ Plant and equipment</li> <li>▪ Materials</li> <li>▪ Layout</li> <li>▪ Programming</li> </ul>
LO-3	Manage your teams	<ul style="list-style-type: none"> <li>▪ Site staff</li> <li>▪ Subcontractors and suppliers</li> </ul>

**Assessment**

By written assignment: Construction Project Plan

## **Module Code: PDCM 04**

### **Modern Safety Management & Techniques**

Level	:	6
Credit Value	:	10
Guided Learning Hour	:	30 hours
Contact	:	12 hours

### **Module Aim**

The aim of this unit is to assess the statutory requirements and to review the latest development of occupational safety, health and welfare management and technology in construction sites.

### **Module Introduction**

In this unit, learners are guided to review and evaluate the performance and effectiveness of OSH practice in construction works.

### **Learning Outcomes & Contents**

Outcome		Content
LO-1	Review the current OSH Legislative Requirements	<ul style="list-style-type: none"> <li>▪ OSH Ordinance &amp; Regulations</li> <li>▪ FIU Ordinance &amp; Regulations</li> <li>▪ Safety Management System</li> <li>▪ OHSAS 18000 and relevant standards</li> </ul>
LO-2	Manage your team	<ul style="list-style-type: none"> <li>▪ Is OSH a cost or an investment?</li> <li>▪ OSH duties and responsibilities of a construction manager</li> <li>▪ Functions of OSH practitioners in a construction project</li> <li>▪ Functions of OSH practitioners on corporate management level</li> <li>▪ Prepare an appropriate Project Safety Plan</li> <li>▪ Conduct realistic Hazard Identification and Risk Assessment</li> <li>▪ Prepare a realistic Method Statement of works</li> </ul>
LO-3	Mindset Change and Technology Embrace in Safety Engineering	<ul style="list-style-type: none"> <li>▪ New technologies: <i>e.g. web, Apps, sensing system, Radio-frequency identification (RFID), Proactive Construction Management System (PCMS), Building Information Modelling (BIM)...etc.</i></li> <li>▪ Safety Promotion by OSHC and other organizations</li> </ul>

### **Assessment**

By written test: 90 minutes

**Module Code: PDCM 05**

**Quality Assurance**

Level	:	6
Credit Value	:	10
Guided Learning Hour	:	30 hours
Contact	:	12 hours

**Module Aim**

The aim of this unit is to assess the performance and effectiveness of implementing quality assurance system in construction sites.

**Module Introduction**

In this unit, learners are guided to review and evaluate the performance and effectiveness of quality assurance scheme and certification in construction works.

**Learning Outcomes & Contents**

Outcome		Content
LO-1	Quality Assurance Accreditation	<ul style="list-style-type: none"> <li>▪ ISO 9000 development, certification and implementation in construction project</li> <li>▪ Quality Assurance</li> <li>▪ Quality Control</li> </ul>
LO-2	DIY Your Own on-site Quality Assurance Program (QAP)	<ul style="list-style-type: none"> <li>▪ Provide a documented process by which quality commitments are met</li> <li>▪ Establishes a benchmark</li> <li>▪ Is it systematic and reproducible?</li> <li>▪ Provide a mean of continuous improvement</li> <li>▪ An appropriate Project Quality Plan</li> </ul>
LO-3	Mindset Change and Technology Embrace in Quality Engineering	<ul style="list-style-type: none"> <li>▪ Is QA a cost or an investment</li> <li>▪ New technologies in QA implementation on sites</li> <li>▪ Promote QA and train your staff team</li> </ul>

**Assessment**

By written test: 90 minutes

## **Module Code: PDCM 06**

### **Environmental Management for Construction Managers**

Level	:	6
Credit Value	:	10
Guided Learning Hour	:	30 hours
Contact	:	12 hours

### **Module Aim**

The aim of this unit is to provide learners the knowledge and skills in relevant areas of environmental management to enable them to manage their construction projects effectively in green matters.

### **Module Introduction**

In this unit, learners are guided to assess the environmental issues and concerns in construction projects.

### **Learning Outcomes & Contents**

Outcome		Content
LO-1	Review and criticize the current Environmental Legislations	<ul style="list-style-type: none"> <li>▪ Air pollution and control</li> <li>▪ Water management</li> <li>▪ Waste disposal and management</li> <li>▪ Noise pollution and control</li> </ul>
LO-2	Environmental Accreditation and Implementation	<ul style="list-style-type: none"> <li>▪ ISO 14000 development, certification and implementation in construction project</li> <li>▪ BEAM Assessment</li> <li>▪ Prepare a realistic and practicable Project Environmental Management Plan</li> </ul>
LO-3	Manage your teams	<ul style="list-style-type: none"> <li>▪ Is Green Construction a cost or an investment?</li> <li>▪ Prepare a proper design and a practicable method statement</li> <li>▪ Site staff's participation in green construction</li> <li>▪ Subcontractors and suppliers' participation in green construction</li> </ul>

### **Assessment**

By written assignment: Case Study