ZPRO H2203: Project Management

Module Title:	Project Management
Language of Instruction:	English

Credits:	5

NFQ Level:	7

Module Delivered In	No Programmes

Teaching & Learning Strategies:	This module will be taught by lectures, class discussions, case studies, problem-solving exercises, project work and self-directed learning.

Module Aim:	The aim of the module is to provide students with a clear understanding of the concepts, techniques, knowledge and skills required for the management of modern software projects.

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	LO1: Evaluate the range of project management methodologies available and make an informed choice.
LO2	LO2: Apply leadership, motivation and decision-making skills. Understand the importance of people management, team dynamics, collaboration and communication.
LO3	LO3: Demonstrate understanding and familiarity with the process groups and knowledge areas of PMBOK as they relate specifically to software development projects.
LO4	LO4: Demonstrate a mastery of selected areas of PMBOK - developing cost estimates, preparing schedules, analysing and mitigating risk.
LO5	LO5: Evaluate the wide range of tools currently available and make informed choices.

Pre-requisite learning
Module Recommendations *This is prior learning (or a practical skill) that is recommended before enrolment in this module.*
No recommendations listed
Incompatible Modules *These are modules which have learning outcomes that are too similar to the learning outcomes of this module.*
No incompatible modules listed
Co-requisite Modules
No Co-requisite modules listed
Requirements *This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.*
No requirements listed

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Module Content & Assessment

Indicative Content
Project Management Methodologies Waterfall, Agile, Scrum, Kanban, XP, Six Sigma, Event Chain... Overview, suitability and popularity.
Project Management Skills Leadership and motivational skills, decision-making, negotiation, problem-solving, stress management.
PMBOK Software Extension Process groups and knowledge areas - Integration Management, Scope Management, Time Management, Cost Management, Quality Management, Risk Management, Human Resource Management, Communication Management, Procurement Management and Stakeholder Management. Examination of all areas followed by detailed study of selected areas as follows.
Human Resources Management Estimation, team formation, personality issues, team dynamics, people management.
Cost Management Importance of metrication, cost estimation methods, model tuning, tracking costs.
Time Management Work breakdown, task sequence, schedule, charts.
Risk Management Identification, estimation, mitigation and monitoring of risk. Pareto 80:20 rule.
Tools Overview of the wide range and fast-changing nature of tools - from Enhanced To-Do List apps, Task Management tools, Collaboration and Communication tools to full-blown Project Management tools. Examination of a representative sample in each category.
Version Control Overview, importance, tools.

Assessment Breakdown	%
Continuous Assessment	15.00%
Project	50.00%
Practical	35.00%

Continuous Assessment

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Examination	Mid-term written examination	2,3,4	15.00	n/a

Project

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	Teams, selected by tutor, work on the Year 2 Project element. Modes of assessment include peer assessment together with a presentation and written report.	1,2,3,4,5	50.00	n/a

Practical

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Practical/Skills Evaluation	Take-home exercises; team-based exercises; role-play; presentations, demonstrations.	1,2,3,4,5	30.00	n/a
Practical/Skills Evaluation	Active participation and contribution towards class discussions	1,2,3,4,5	5.00	n/a

No End of Module Formal Examination

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	Every Week	3.00
Independent Learning	Every Week	3.00
	Total Hours	6.00