

PROJ C8015: Software Project Management

Module Details	
Module Code:	PROJ C8015
Full Title:	Software Project Management APPROVED
Valid From::	Semester 1 - 2019/20 (June 2019)
Language of Instruction:	English
Duration:	1 Semester
Credits::	5
Module Owner::	Bernadette Brosnan
Departments:	Unknown
Module Description:	This module examines the various approaches to software project management. The role of people in software production is examined and techniques for estimating and measurement are also appraised. In addition, a number of pitfalls, common to early software development activities, are highlighted and ways to avoid them are addressed.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	Module Learning Outcome Description
MLO1	Scope and define projects
MLO2	Develop project plans
MLO3	Recognise the triple constraints of project management (time/scope/cost) and devise how to balance these often competing goals
MLO4	Apply best practices in managing project risks
MLO5	Evaluate the limitations/benefits of adopting traditional and alternative approaches to software project management
Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named DkIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</i>	
No recommendations listed	

Module Indicative Content
Project Management life cycle and frameworks; success and failures Process groups and knowledge areas, reasons for project failure.
Project initiation and scope management
Planning/control in the project lifecycle; team roles and responsibilities
Time and cost management
Project risk management
Quality Assurance within software project management
Agile and plan-driven techniques for software project management
Project closeout techniques and procedures

Module Assessment	
Assessment Breakdown	%
Course Work	40.00%
Final Examination	60.00%
Module Special Regulation	

Assessments

Full Time On Campus

Course Work			
Assessment Type	Continuous Assessment	% of Total Mark	30
Marks Out Of	0	Pass Mark	0
Timing	S1 Week 12	Learning Outcome	1,2,4,5
Duration in minutes	0		
Assessment Description The coursework will involve a written report, and participants working in a team to create a project plan ideally for a collaborative (cross module) project and monitoring the progress of the project against the project plan.			
Assessment Type	Short Answer Questions	% of Total Mark	10
Marks Out Of	0	Pass Mark	0
Timing	Every Second Week	Learning Outcome	1,3,5
Duration in minutes	0		
Assessment Description Students will submit and present answers to selected tutorial questions on an ongoing basis.			

No Project

No Practical

Final Examination			
Assessment Type	Formal Exam	% of Total Mark	60
Marks Out Of	0	Pass Mark	0
Timing	End-of-Semester	Learning Outcome	1,3,4,5
Duration in minutes	0		
Assessment Description End-of-Semester Final Examination			

Part Time On Campus

Course Work			
Assessment Type	Continuous Assessment	% of Total Mark	30
Marks Out Of	0	Pass Mark	0
Timing	S1 Week 12	Learning Outcome	1,2,4,5
Duration in minutes	0		
Assessment Description The coursework will involve a written report, and participants working in a team to create a project plan ideally for a collaborative (cross module) project and monitoring the progress of the project against the project plan.			
Assessment Type	Short Answer Questions	% of Total Mark	10
Marks Out Of	0	Pass Mark	0
Timing	Every Second Week	Learning Outcome	1,3,5
Duration in minutes	0		
Assessment Description Students will submit and present answers to selected tutorial questions on an ongoing basis.			

No Project

No Practical

Final Examination			
Assessment Type	Formal Exam	% of Total Mark	60
Marks Out Of	0	Pass Mark	0
Timing	End-of-Semester	Learning Outcome	1,3,4,5
Duration in minutes	120		
Assessment Description End of Semester Exam			

Reassessment Requirement

A repeat examination

Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.

Module Workload

Workload: Full Time On Campus					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Project Management concepts and techniques will be presented	Every Week	2.00	2
Practical	Contact	Students will use project management tools to manage projects based on case studies or other modules.	Every Week	1.00	1
Tutorial	Contact	Students will present answers to tutorial questions which will cover topics from lecture material.	Every Week	1.00	1
Directed Reading	Non Contact	Reading of lecturer recommended information sources	Every Week	1.00	1
Independent Study	Non Contact	Students will prepare answers to tutorial questions and practical exercises	Every Week	3.00	3
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					4.00
Workload: Part Time On Campus					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Project Management concepts and techniques will be presented	Every Week	2.00	2
Practical	Contact	Students will use project management tools to manage projects based on case studies or other modules.	Every Week	1.00	1
Tutorial	Contact	Students will present answers to tutorial questions which will cover topics from lecture material.	Every Week	1.00	1
Directed Reading	Non Contact	Reading of lecturer recommended information sources	Every Week	1.00	1
Independent Study	Non Contact	Students will prepare answers to tutorial questions and practical exercises	Every Week	3.00	3
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					4.00

Module Resources

Supplementary Book Resources

Pressman, R.S.. (2014), Software Engineering: A Practitioner's Approach, 8th ed.. McGraw-Hill, [ISBN: 0078022126].
Ian Sommerville. (2015), Software Engineering, 10. Addison Wesley, [ISBN: 9781292096131].
Mitch Lacey. (2016), The Scrum Field Guide, Pearson, [ISBN: 9780133853629].
Mike Cohn. (2009), Succeeding with Agile:Software Development Using Scrum, Addison Wesley Professional, [ISBN: 9780321579362].

This module does not have any article/paper resources

Other Resources

Website, IEEE Software,
<http://www.computer.org/software>
Website, The Association for Computing Machinery,
<http://www.acm.org/>
Website, Better Software,
<http://www.stickyminds.com>
Website, Agile Alliance,
<http://www.agilealliance.org>
Website, Extreme Programming,
<http://www.extremeprogramming.org/>
Website, Software Engineering Institute,
<http://www.sei.cmu.edu>