

SWRE C7005: Software Project Management

Module Details	
Module Code:	SWRE C7005
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:	Students completing this module will be able to assess the issues involved in and apply appropriate techniques to managing software projects.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	Module Learning Outcome Description
MLO1	Discuss the fundamental issues of software project management.
MLO2	Compare and contrast project management frameworks.
MLO3	Create project plans using appropriate planning techniques.
MLO4	Track Project progress using monitoring and control techniques.
MLO5	Identify common sources of risk in software projects and discuss risk management techniques.
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 overview Definition, skills, triple constraint, approaches, reasons for project failure, project teams.	
Project Lifecycle Process groups and knowledge areas, relationship with software development lifecycle, project management frameworks.	
Estimating Purpose, difficulties, techniques - story points, velocity, use case points.	
Release Planning Agile planning onion, feature and date driven release planning, prioritising user stories.	
Iteration Planning Velocity and commitment driven iteration planning.	
Project monitoring and control Tracking release and iteration plans - burndown charts, burnup charts, task board, iteration review and retrospective.	
Module Assessment	
Assessment Breakdown	%
Course Work	50.00%
Final Examination	50.00%
Module Special Regulation	

Assessments

Full Time On Campus			
Course Work			
Assessment Type	Continuous Assessment	% of Total Mark	20
Marks Out Of	0	Pass Mark	0
Timing	Week 8	Learning Outcome	3
Duration in minutes	0		
Assessment Description Prepare release plans, including a release plan for semester 6 Project module.			
Assessment Type	Continuous Assessment	% of Total Mark	15
Marks Out Of	0	Pass Mark	0
Timing	Week 12	Learning Outcome	3,4
Duration in minutes	0		
Assessment Description Perform iteration planning monitoring and control ideally based around a project from another semester 5 module.			
Assessment Type	Short Answer Questions	% of Total Mark	15
Marks Out Of	0	Pass Mark	0
Timing	Every Week	Learning Outcome	1,2,5
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	50
Marks Out Of	0	Pass Mark	0
Timing	End-of-Semester	Learning Outcome	1,2,5
Duration in minutes	0		
Assessment Description Written end of semester exam.			

Part Time On Campus			
Course Work			
Assessment Type	Continuous Assessment	% of Total Mark	20
Marks Out Of	0	Pass Mark	0
Timing	Week 8	Learning Outcome	3
Duration in minutes	0		
Assessment Description Perform Release planning.			
Assessment Type	Continuous Assessment	% of Total Mark	15
Marks Out Of	0	Pass Mark	0
Timing	Week 12	Learning Outcome	3,4
Duration in minutes	0		
Assessment Description Perform iteration planning.			
Assessment Type	Short Answer Questions	% of Total Mark	15
Marks Out Of	0	Pass Mark	0
Timing	Every Week	Learning Outcome	1,2,5
Duration in minutes	0		
Assessment Description Students will submit answers to selected tutorial questions on an ongoing basis.			
No Project			
No Practical			
Final Examination			

Assessment Type	Formal Exam	% of Total Mark	50
Marks Out Of	0	Pass Mark	0
Timing	End-of-Semester	Learning Outcome	1,2,5
Duration in minutes	0		
Assessment Description Written 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	1.00	1
Practical	Contact	Students will use project management tools to manage projects based on case studies or projects from other modules. They will also prepare project plans for their semester 6 project.	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
Independent Study	Non Contact	Students will prepare answers to tutorial questions and practical exercises.	Every Week	5.00	5
				Total Weekly Learner Workload	8.00
				Total Weekly Contact Hours	3.00

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	1.00	1
Practical	Contact	Students will use project management tools to manage projects based on case studies.	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
Independent Study	Non Contact	Students will prepare answers to tutorial questions and practical exercises.	Every Week	5.00	5
				Total Weekly Learner Workload	8.00
				Total Weekly Contact Hours	3.00

Module Resources

Supplementary Book Resources

Mitch Lacey. (2016), The Scrum Field Guide, Pearson, [ISBN: 9780133853629].

Mike Cohn. (2005), Agile Estimating and Planning, [ISBN: 9780131479418].

Craig Larman, Bas Vodde. (2016), Large-Scale Scrum, Addison Wesley, [ISBN: 9780321985712].

Mike Cohn. (2009), Succeeding with Agile: Software Development Using Scrum, Addison Wesley Professional, [ISBN: 9780321579362].

Ian Sommerville. (2015), Software Engineering, 10. Addison Wesley, [ISBN: 9781292096131].

This module does not have any article/paper resources

Other Resources

Website, Agile Alliance,
<http://www.agilealliance.org>