

Full Title:	Software Project Management
Language of Instruction:	English
Module Code:	SWRE C7005
Credits:	5
Valid From:	Semester 1 - 2014/15 (September 2014)
Module Delivered in	1 programme(s)
Module Description:	Students completing this module will be able to assess the issues involved in and apply appropriate techniques to managing software projects.
Learning Outcomes:	
<i>On successful completion of this module the learner should be able to</i>	
<ol style="list-style-type: none"> 1. Discuss the fundamental issues of software project management 2. Create project plans using appropriate planning techniques 3. Track Project progress using monitoring and control techniques 4. Identify common sources of risk in software projects and discuss risk management techniques. 	

Module Content & Assessment

Indicative Content
Project management overview Definition, skills, triple constraint, approaches, reasons for project failure
Project Lifecycle Process groups and knowledge areas, relationship with software development lifecycle
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

Assessment Breakdown	%
Course Work	40.00%
End of Module Formal Examination	60.00%

Full Time

Course Work							
Assessment Type	Assessment Description	Outcome addressed	% of total	Marks Out Of	Pass Marks	Assessment Date	Duration
Practical/Skills Evaluation	Perform release planning.	2	15.00	0	0	n/a	0
Practical/Skills Evaluation	Perform iteration planning.	2	10.00	0	0	n/a	0
Short Answer Questions	Students will submit answers to selected tutorial questions on an ongoing basis.	1,3,4	15.00	0	0	n/a	0

No Project

No Practical

End of Module Formal Examination							
Assessment Type	Assessment Description	Outcome addressed	% of total	Marks Out Of	Pass Marks	Assessment Date	Duration
Formal Exam	n/a	1,2,3,4	60.00	0	0	End-of-Semester	0

Part Time

Course Work							
<i>Assessment Type</i>	<i>Assessment Description</i>	<i>Outcome addressed</i>	<i>% of total</i>	<i>Marks Out Of</i>	<i>Pass Marks</i>	<i>Assessment Date</i>	<i>Duration</i>
Practical/Skills Evaluation	Perform Release planning.	2	15.00	0	0	n/a	0
Practical/Skills Evaluation	Perform iteration planning.	None	10.00	0	0	n/a	0
Short Answer Questions	Students will submit answers to selected tutorial questions on an ongoing b	1,3,4	15.00	0	0	n/a	0

No Project

No Practical

End of Module Formal Examination							
<i>Assessment Type</i>	<i>Assessment Description</i>	<i>Outcome addressed</i>	<i>% of total</i>	<i>Marks Out Of</i>	<i>Pass Marks</i>	<i>Assessment Date</i>	<i>Duration</i>
Formal Exam	n/a	None	60.00	0	0	End-of-Semester	0

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.

DKIT reserves the right to alter the nature and timings of assessment

Module Workload & Resources

Workload: Full Time

Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	No Description	1.00	Every Week	1.00
Practical	No Description	1.00	Every Week	1.00
Tutorial	No Description	1.00	Every Week	1.00
Independent Study	Students will prepare answers to tutorial questions and practical exercises.	5.00	Every Week	5.00
Total Weekly Learner Workload				8.00
Total Weekly Contact Hours				3.00

Workload: Part Time

Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	No Description	1.00	Every Week	1.00
Practical	No Description	1.00	Every Week	1.00
Tutorial	No Description	1.00	Every Week	1.00
Independent Study	No Description	5.00	Every Week	5.00
Total Weekly Learner Workload				8.00
Total Weekly Contact Hours				3.00

Resources

Supplementary Book Resources

Jim Highsmith 2009, *Agile Project Management: Creating Innovative Products*, 2 Ed., Addison Wesley Professional [ISBN: 9780321658395]

Mike Cohn 2005, *Agile Estimating and Planning* [ISBN: 9780131479418]

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

Ian Sommerville 2010, *Software Engineering*, 9 Ed., Addison Wesley [ISBN: 9780137035151]

This module does not have any article/paper resources

This module does not have any other resources

Module Delivered in

Programme Code	Programme	Semester	Delivery
DK_KCOMP_7	Bachelor of Science in Computing	5	Group Elective 1