Module Details

Module Code:	PROJ C7Z06
Full Title:	Software Project APPROVED
Valid From::	Semester 1 - 2019/20 (June 2019)
Language of Instruction:	English
Duration:	1 Semester
Credits::	10
Module Owner::	Michelle Graham
Departments:	Unknown
Module Description:	Software Project will involve the analysis, design, development process, testing, documentation and deployment of an integrated n-tier web application.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	**Module Learning Outcome Description**
MLO1	Integrate and apply the skills and knowledge learned across a variety of subjects.
MLO2	Work in accordance with a selected process and use the tools and techniques of that process.
MLO3	Set, prioritise and manage goals and deliverables and show adequate time-management of the process.
MLO4	Implement, test, deploy and evaluate a solution in the relevant project domain.
MLO5	Produce and present effective technical documentation.

Pre-requisite learning		
Module Recommendations *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).*		
52822	INET C8017	Web Services

Module Indicative Content	

Project
This is a capstone project requiring students to integrate a broad range of the processes and development techniques that they have acquired to create and deploy an n-tier web application. Students will be encouraged to pursue applications that have a particularly novel/innovative or research driven aspects. Team development will be the normal mode but individual development efforts will be facilitated in exceptional circumstances.

Module Assessment

Assessment Breakdown	%
Course Work	100.00%

Module Special Regulation

Assessments

Full Time On Campus

Course Work			
Assessment Type	Continuous Assessment	**% of Total Mark**	10
Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 3	**Learning Outcome**	1,2
Duration in minutes	0		

Assessment Description
Proof of Concept based on investigation of approaches/technologies/algorithms/platforms

Assessment Type	Continuous Assessment	**% of Total Mark**	20
Marks Out Of	0	**Pass Mark**	0
Timing	Every Second Week	**Learning Outcome**	2,3
Duration in minutes	0		

Assessment Description
Ongoing (normally bi-weekly) assessment of project progress: engagement in process, team participation, completion of tasks

Assessment Type	Continuous Assessment	**% of Total Mark**	25
Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 9	**Learning Outcome**	1,2,3,4
Duration in minutes	0		

Assessment Description
Progress Assessment (Alpha Release) - plan for progress/completion, feedback

Assessment Type	Continuous Assessment	**% of Total Mark**	30
Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 12	**Learning Outcome**	1,2,3,4
Duration in minutes	0		

Assessment Description
Implementation (Beta Release), deployment and Documentation.

Assessment Type	Presentation	**% of Total Mark**	15
Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 13	**Learning Outcome**	4,5
Duration in minutes	0		

Assessment Description
Technical Presentation, Interview and Demonstraion

No Project

No Practical

No Final Examination

Part Time On Campus

Course Work			
Assessment Type	Continuous Assessment	**% of Total Mark**	10
Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 3	**Learning Outcome**	1,2
Duration in minutes	0		

Assessment Description
Proof of Concept based on investigation of approaches/technologies/algorithms/platforms

Assessment Type	Continuous Assessment	**% of Total Mark**	20
Marks Out Of	0	**Pass Mark**	0
Timing	Every Second Week	**Learning Outcome**	2,3
Duration in minutes	0		

Assessment Description
Ongoing (normally bi-weekly) assessment of project progress: engagement in process, team participation, completion of tasks

Assessment Type	Continuous Assessment	**% of Total Mark**	25
Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 9	**Learning Outcome**	1,2,3,4
Duration in minutes	0		

Assessment Description
Progress Assessment (Alpha Release) - plan for progress/completion, feedback

Assessment Type	Continuous Assessment	**% of Total Mark**	30
Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 12	**Learning Outcome**	1,2,3,4
Duration in minutes	0		

Assessment Description
Implementation (Beta Release), deployment and Documentation.

Assessment Type	Presentation	**% of Total Mark**	15

Marks Out Of	0	**Pass Mark**	0
Timing	S1 Week 13	**Learning Outcome**	4,5
Duration in minutes	0		

Assessment Description
Technical Presentation, Interview and Demonstraion

No Project

No Practical

No Final Examination

Reassessment Requirement

No repeat examination
Reassessment of this module will be offered solely on the basis of coursework and a repeat examination will not be offered.

Module Workload

Workload: Full Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecturer-Supervised Learning (Contact)	Contact	During the practical sessions each team will have access to one or more supervisors. The project supervisor will act in a mentoring/project management capacity giving topic-specific guidance and will normally meet with the individuals/teams on a scheduled basis. Practical sessions will be used to support the student in developing, testing, deploying and documenting a working implementation.	Every Week	6.00	6
Directed Reading	Non Contact	No Description	Every Week	3.00	3
Independent Study	Non Contact	No Description	Every Week	7.00	7
				Total Weekly Learner Workload	16.00
				Total Weekly Contact Hours	6.00

Workload: Part Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecturer-Supervised Learning (Contact)	Contact	During the practical sessions each team will have access to one or more supervisors. The project supervisor will act in a mentoring/project management capacity giving topic-specific guidance and will normally meet with the individuals/teams on a scheduled basis. Practical sessions will be used to support the student in developing, testing, deploying and documenting a working implementation.	Every Week	6.00	6
Directed Reading	Non Contact	No Description	Every Week	3.00	3
Independent Study	Non Contact	No Description	Every Week	7.00	7
				Total Weekly Learner Workload	16.00
				Total Weekly Contact Hours	6.00

Module Resources

Supplementary Book Resources

Kenneth S. Rubin. (2012), Essential Scrum: A Practical Guide to the Most Popular Agile Process, 1st. Addison-Wesley Professional, p.500, [ISBN: 978-013704329].

Weaver, P.. (2004), Success in Your Project: A Guide to Student System Development Projects, [ISBN: 0273678094].

This module does not have any article/paper resources

Other Resources

Damith C. Rajapakse. (2010), Practical Tips for Software-Intense Student Projects,
http://www.comp.nus.edu.sg/~damithch/gui de3e/

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