

Full Title:	Web Integration
Language of Instruction:	English
Module Code:	PROG C7009
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 design, implement, test and document a database-driven web application.
Learning Outcomes:	
<i>On successful completion of this module the learner should be able to</i>	
<ol style="list-style-type: none"> 1. Evaluate application architectures 2. Design, implement, test and document a database-driven web application 3. Evaluate security methods used in development of web applications 4. Analyse the design, technological and usability factors that influence the development of a successful web-based application 	

Module Content & Assessment

Indicative Content
Functionality of dynamic websites Including multiple files, handling HTML forms, functions
Session tracking n/a
Database connectivity n/a
Implementing business logic n/a
Securing a web application n/a
Internationalization and localization n/a

Assessment Breakdown	%
Course Work	100.00%

Full Time

Course Work							
Assessment Type	Assessment Description	Outcome addressed	% of total	Marks Out Of	Pass Marks	Assessment Date	Duration
Multiple Choice Questions	Students will sit a 1.5 hour multiple choice test requiring explanation of theory and tracing code.	1	30.00	0	0	n/a	0
Project	Students will design, implement, test and document a database-driven web application.	2,3	30.00	0	0	n/a	0
Class Test	Students will sit a 2 hour class test requiring explanation of theory and programming code.	4	40.00	0	0	n/a	0

No Project

No Practical

No End of Module Formal Examination

Part Time

Course Work							
Assessment Type	Assessment Description	Outcome addressed	% of total	Marks Out Of	Pass Marks	Assessment Date	Duration
Multiple Choice Questions	Students will sit a 1.5 hour multiple choice test requiring explanation of theory and tracing code.	1	30.00	0	0	n/a	90
Project	Students will design, implement, test and document a database-driven web application.	2,3	30.00	0	0	n/a	0
Class Test	Students will sit a 2 hour class test requiring explanation of theory and programming code.	4	40.00	0	0	n/a	120

No Project

No Practical

No End of Module Formal 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.

Reassessment Description
 Students will design, implement, test and document a database-driven web application.

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
Practical	Lab	4.00	Every Week	4.00
Independent Study	Personal prescribed reading	2.00	Every Week	2.00
Directed Reading	No Description	2.00	Every Week	2.00
Total Weekly Learner Workload				8.00
Total Weekly Contact Hours				4.00

Workload: Part Time

Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Practical	Lab	4.00	Every Week	4.00
Independent Study	No Description	2.00	Every Week	2.00
Directed Reading	No Description	2.00	Every Week	2.00
Total Weekly Learner Workload				8.00
Total Weekly Contact Hours				4.00

Resources

Recommended Book Resources

Larry Ullman 2011, *PHP and MySQL for Dynamic Web Sites*, 4th Ed., Pearson [ISBN: 9780321784070]

Harvey Deitel, Paul Deitel, Abbey Deitel 2012, *Internet & World Wide Web How to Program*, 5th Ed., Pearson [ISBN: 9780273764021]

This module does not have any article/paper resources

Other Resources

Website: www.easyphp.org

Website: www.php.net

Website: www.mysql.com

Module Delivered in

Programme Code	Programme	Semester	Delivery
DK_KCOMP_7	Bachelor of Science in Computing	5	Group Elective 2