

**LEARNING AND TEACHING COMMITTEE**

**Module Specification**

*Please complete all sections of the form, referring to the guidance notes where necessary.*

School and Subject Group	Engineering and Applied Science, Computer Science		
Module Code	CS4810		
Module Title	Enterprise Computing Systems		
Module Type	Taught		
Module Replaces (where appropriate)			
Date of introduction of new module	Oct-2010		
Level	MSc	Credit Value	15
Programme(s) in which module is available	IT Project Management		
Involvement of Other Schools			

Resource Split		
Name of Module Co-ordinator		Dympna O'Sullivan
Related Modules	Pre-requisites	
	Co-requisites	
	Prohibited Combinations	
	Minimum and Maximum Intake Sizes	
<p>Aims of the Module</p> <p>To provide a general understanding of the emergence of strategic information systems and the technology developments which enabled this.  To provide examples of techniques used to determine the usefulness of IT for sector businesses and case studies of their use.  To provide an understanding of how strategic IS/IT applications can be used for competitive advantage in business.  To describe the process to be followed to develop a business strategy and its linkage to the company's IS and IT strategies.  To illustrate a number of practical tools that can be used to classify, plan and develop strategic IS/IT application.</p>		

## Summary of Content

Emergence of information systems.

IT, IS & business strategy.

Strategic information systems planning.

IS/IT strategy implementation.

Complex systems integration.

Using IS/IT as a competitive weapon in industry and business.

Case studies.

## Summary of Methods and Frequency of Teaching

Lectures: 20 hours (2 hours/week)

Tutorials: 5 hours (1 hour every other week)

## Summary of Methods of Assessment and Feedback, including Formative Feedback

### Assessment:

Written exam: 65% (3 hours, May/June)

The exam will contain questions related to case studies undertaken during the module

### Industry Case Analysis: 35%

This will take the format of a 5000 word essay which will apply the techniques and tools studied to an industry or business case study.

### Feedback:

Feedback on CS4810 is individual, such as discussion with individuals during a tutorial or during appointed meetings during office hours.

Feedback will also be given individually on coursework undertaken during the module.

Feedback is also collective, such as comments to the whole class during tutorials.

In addition feedback will include publishing the solutions for exercises attempted in tutorials and sample exam papers on Blackboard.

Furthermore many tutorial exercises will involve an element of group discussion. The tutorial leader will provide feedback by going through the exercises and answering individual questions.

Module Outcomes – what the student should gain from successful completion of the module:

Learning and Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated

Learning and Teaching Methods

Assessment Methods

<p>Knowledge and Understanding Be able to:</p> <p>Discuss the emergence of strategic information systems and the technology developments which enabled this</p> <p>Describe techniques used to determine the usefulness of IT for sector businesses and provide examples.</p> <p>Apply various tools to categorize, plan and implement strategic IS/IT applications</p> <p>Explain how IS/IT can be used to create competitive advantage</p>	<p>Lectures and directed reading</p>	<p>Exam and coursework</p>
<p>Intellectual Skills</p> <p>Capable of directly applying and/or illustrating the application of a range of techniques for sector determination and strategy formulation.</p> <p>Contextualize techniques and tools to a wide range of business and industrial case studies</p> <p>Assimilation of business strategy and IT/IS strategy to provide strategic applications and strategic information systems</p>	<p>Lectures and tutorials, supported by appropriate reading</p>	<p>Problem and case study based exam and coursework questions</p>
<p>Professional/Subject Specific Skills</p> <p>Contextualization of techniques and tools studies to a variety of industrial and business sectors</p>	<p>Tutorials, and practical work involving case studies</p>	<p>Problem and case study based exam and coursework questions</p>

<p>Transferable Skills Enhanced skills in diverse problem analysis, solution organisation and written presentation.</p>	<p>Tutorials, and practical work involving case studies</p>	<p>Exam and coursework</p>
<p>Please provide either or both of:</p>		
<p>(i) Introductory Learning Resources</p>		<p>Ward J and Peppard J (2004), Strategic Planning for Information Systems, 3<sup>rd</sup> Edition. Wiley, ISBN 0 470 84147-8. Previous editions are also suitable.</p> <p>Earl, M.J. (1989) Management Strategies for IT., Prentice Hall International. This text provides a very good grounding in the fundamentals if the subject is new to you. It forms the basis of the guided reading and provides a historical background to the subject.</p> <p>Chaffey, D., (2007) <i>E-Business and E-Commerce Management</i>, Pearson Education, Essex</p>
<p>(ii) Core Texts</p>		
<p>Reading Lists</p>	<p>Attached/Not Attached</p>	

Specification completed by:	Dympna O'Sullivan
Date	14-May-10
Date module approved by Learning and Teaching Committee(s)	
Date module approved by School Board(s)	