

Module Documentation



COMP06038

Business Process Modeling

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COMP06038 Business Process Modeling

Short Title Business Process Modeling

Full Title Business Process Modeling

Attendance N/A Discipline 481 COMPUTER SCIENCE

Coordinator Fearghal McHugh Department Business

Official Code COMP06038 NFQ Level 06 ECTS Credit 05

Module Description

Business Process Modeling & Workflow

Learning Outcomes

On completion of this module the learner will/should be able to

1. Describe business operations, integrated processes and business process Modeling /modeling methodologies
2. Develop a knowledge of business processes/operations and business process Modeling
3. Use BPM method in practice cases
4. Apply BPM using appropriate software tools
5. Describe workflow in a business context/functions and operations
6. Develop Workflow techniques

Teaching and Learning Strategies

Theory lectures and lectures interspersed with in-class activities that require students to use information or concepts presented in the lecture. Students learn by doing in addition to watching and listening. This will involve in-class activities, in lab application, out of class group exercises and other cases/scenarios.

Assessment Strategies

In class methodology application /in lab application / continuous assessment

100% CA

Repeat Assessment Procedures

Project work if relevant or as appropriate to repeat module assessment work

Module Dependencies

Prerequisite Modules

None

Corequisite Modules

None

Incompatible Modules

None

Indicative Syllabus

1. **BPD Introduction** 10%

Describe how, where and why business functions, processes and operations are integrated.

Define BPM, Describe business processes, operations, purpose and context, Describe the various methodologies, covering the stages of process mapping, design, specification and implementation. Introduce BPM techniques/ methods e.g. BPMN, UML, DFD

2. **BPD knowledge** 20%

Describe integrated business operations and the processes involved in procurement/fullfilment/production processes

Describe the terminology, symbols and architecture of specific and appropriate BP modeling methods for use in business operations and processes e.g. BPMN. Begin developing the analytical approach to BPM. Identify elements of processes in organisations. Use basic design practice to illustrate the use of BPM.

3. **BPM practice** 20%

Draw/Model an integrated business procurement/fullfilment/production/similar process

Apply the process modeling methodologies to practice business case problems

4. **BPM software** 20%

Use BPS software tools e.g. bpmn, to apply the process model designs.

5. Workflow introduction 10%

Describe workflow as a technique including process/workflow/operations planning, scheduling and flow control, to provide solutions to business process issues and consider it in the context of lean design.

6. Workflow techniques 20%

Use and apply workflow methods to business issues

CourseWork / Assessment Breakdown

CourseWork / Continuous Assessment	100 %
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Coursework Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
Continous Assessment	1,2,3,4,5,6	100	OnGoing

End Exam Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
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ACCS Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Open Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Distance Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Part Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Full Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Lecture	Not Specified	Lecture	2	Weekly	2.00
Laboratory Practical	Not Specified	Lab	1	Weekly	1.00

Total Average Weekly Learner Workload 3.00 Hours

Online Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
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Total Average Weekly Learner Workload 0.00 Hours

Module Resources

Module Book Resources

Business Process Modelling simulation and design - Laguna, 2013

Business Process Management - Dumas, 2010

Essentials of business process and Information systems - Magal, 2010

Essentials of business process modeling - Harvey, 2005

Integrated business processes with ERP - 2011

Workflow Modelling - sharp, 2008

Business Information Systems - Beynon-Davies, 2009

Module Alternate Book Resources

None

Module Other Resources

None

Module URLs

None

Additional Information

None

Approval Information

School Approval by Carmel Brennan on 27-03-2015

Academic Council on 01-04-2015

Programme Membership

Code	Intake Year	Programme Title
GA_BBISG_H08	201500	Bachelor of Science (Honours) in Business Information Systems
GA_BBISG_B07	201500	Bachelor of Science in Business Information Systems