

# Module Documentation



**INFO08005**

Business Information Systems Analysis

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# INFO08005

## Business Information Systems Analysis

Short Title	Systems Analysis		
Full Title	Business Information Systems Analysis		
Attendance	N/A	Discipline	482 COMPUTER USE (INFO TECH)
Coordinator	Owen Foley	Department	Business
Official Code	INFO08005	NFQ Level	08
		ECTS Credit	05

### Module Description

Systems Analysis is a structured process that allows for the development of business information systems. This involves a number of activities that include requirements gathering, data modelling, process description and design; prototyping and systems design. Techniques include data flow diagrams, entity relationship modelling, normalization and decision modelling.

### Learning Outcomes

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

1. On completion of this module the learner will be able to conduct analysis using the Structured Systems Analysis and Design Methodology (SSADM).
2. On completion of this module the learner will be able to conduct analysis of Data Flow (Data Flow Diagrams).
3. On completion of this module the learner will be able to complete Entity Analysis and construct Entity Relationship Diagrams.
4. On completion of this module the learner will be able to complete Requirements Analysis (Requirements Catalogue / Specification).
5. On completion of this module the learner will be able to complete Object Oriented Analysis (Unified Modelling Language).

### Teaching and Learning Strategies

The module is 100% CA and follows the lifecycle of a sample project in class. The applied techniques of the development lifecycle are demonstrated and practiced on the sample project. The approaches and techniques of systems analysis life cycles are also completed.

### Assessment Strategies

The module is assessed by an individual project where the student is required to apply each of the techniques demonstrated in the sample project.

### Repeat Assessment Procedures

An individual project that is completed in the students own time.

#### Module Dependencies

#### Prerequisite Modules

None

#### Corequisite Modules

None

#### Incompatible Modules

None

#### Indicative Syllabus

The Context of Systems Development Projects 20%

Definitions, Roles, Characteristics, Methodologies

The Context of Systems Analysis Methods

InformationSystemBuildingBlocks

Information Systems Development

Project Management

Systems Analysis Methods- 60%

Fact Finding Techniques for Requirements Discovery.

Modelling Systems Requirements.

Data Modelling.

Process Modelling

Feasibility Analysis.

Systems Proposal.

Object Oriented Analysis.

UML.

Object Oriented Analysis - 20%

Systems Analysis with Objects.

Object Modelling.

Unified Modelling Language. (UML)

## CourseWork / Assessment Breakdown

CourseWork / Continuous Assessment	100 %
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## Coursework Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
Class Assessment Continuous Assessment	1,2,3,4,5	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
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					Avg Wkly Wrkld
Lecture	Lecture Theatre	Lecture	1	Weekly	1.00
Laboratory Practical	Computer Laboratory	Applied Systems Analysis	2	Weekly	2.00

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

Title: Basic Information Systems Analysis and Design (2005).

Authors: Chester & Athwall

Publisher: McGraw Hill

ISBN: 0-07-709784-X

RECOMMENDED READING:

Title: Systems Analysis and Design Sixth Edition (2005)

Authors: Kendall & Kendall

Publisher: Prentice Hall

ISBN: 0-13-127323

Title: Systems Analysis and Design - An Active Approach (2001)

Author: Marakas

Publisher: Prentice Hall

ISBN: 0-13-022515-0

Module Alternate Book Resources

None

## Module Other Resources

None

## Module URLs

[http://www.umsl.edu/~sauterv/analysis/analysis\\_links.html](http://www.umsl.edu/~sauterv/analysis/analysis_links.html)

## Additional Information

None

## ISBN BookList

## Book Details

Harry J. Rosenblatt 2013 *Systems Analysis and Design (Book Only) (Shelly Cashman)*  
 Cengage Learning  
 ISBN-10 1285422708 ISBN-13 9781285422701

## Approval Information

School Approval by	Carmel Brennan on 02-04-2015
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Academic Council on	02-04-2015
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## Programme Membership

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