Object-Oriented Analysis and Design

An introductory and intermediate course
for Business Computing students
BSc Year Two and MSc

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How to reach me?

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Organisation of the Module

Lectures: Thursday 6.10-8.00 pm

Tutorial/Lab: 8.10-9.00 pm

Reading

What you will learn

- Object-Oriented Analysis based on Jacobson's use-case approach
- Object-Oriented Design
- The Unified Modelling Language as a notation for analysis and design
- Available tool support for object-oriented Analysis and Design
- Management of object-oriented Projects
Suggested Textbooks


Coursework

Coursework 1:
Out Week 4.
In Week 7.
Done in pairs.
Involves C++ Programming.

Coursework 2:
Out Week 7.
In Week 9.
Individually composed essay.
MAXIMUM 3 pages.
Both contribute 50% to coursework mark.
COURSE CONTENTS

Part I  INTRODUCTION TO OBJECT-ORIENTATION
1: Module introduction
2: Principles of object-orientation

Part II ANALYSIS & DESIGN USING ‘OOSE WITH UML’
3: Requirements model
4: Analysis model
5: Design model
6: Design model (continued)

PART III ‘OOSE WITH UML’ IN CONTEXT
7: Project management
9: CASE tool
8: Link with code
10: Evolution of object-oriented analysis