

M8748: Information Systems Analysis & Design

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Introduction

- Lecturer: Lo Chi Wing, Peter
Email: Peter@Peter-Lo.com
- Schedule
 - ◆ Lecture: 14:00 – 16:30 (Saturday)

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Syllabus

- What is Information System?
- Problems in Information Systems Development
- Avoiding the Problems
- What is Object-Oriented? Modeling Concepts
- Activity Diagrams
- Development Process
- Requirements Capture
- Use Case Diagrams
- Requirements Analysis
- Refining the Requirements Model
- Object Interaction

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Syllabus (cont')

- Specifying Operations
- Specifying Control
- Transition to Design
- System Design
- Class Design
- Design Patterns
- Human-Computer Interaction
- Designing Boundary Classes
- Data Management Design
- Implementation
- Reusable Components

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Assessment

■ Assessment

Assignment and Test: 70%
Examination: 30%

Total: 100%

■ Study Approach

Lecture 37.5 hours
Self study (including Assignment) 112.5 hours

Total: 150 hours

Message from OBU Professor

- Students are expected to spend approximately **150 hours** working on this module. Around 40 hours will be spent in lectures; this means that another 110 hours should be spent on research and documentation for assignments and examination. This work is unsupervised with students making use of a variety of learning materials such as The Internet, the Reading list, Worked Case studies, Independent Study materials. **50% of the examination questions are based on the lectures and the rest of the questions are application-based/case-study questions.**

Do and Don't

- **Do not turn on your mobile**, pager or any form of alarm that will distract your fellow classmates.
- **Do not make any unnecessary noise** unless you have just found out you won a 3T or Mark Six!
- **Do turn up on time** to avoid unnecessary distraction.
- Do exchange ideas and discussions on assignments but **NOT copying**. You are here to **LEARN** not copy. You will be severely dealt with if caught cheating under the university disciplinary action.
- **Do enjoy and learn from the course.**

References

- Simon Bennett, Steve McRobb, Ray Farmer, "Object-Oriented Systems Analysis and Design Using UML, Second Edition", McGraw-Hill, 2002 (ISBN: 0077098641)
- <http://higher.ed.mcgraw-hill.com/sites/0077098641/>
- <http://higher.ed.mcgraw-hill.com/sites/0077110005/>
- <http://www.mcgraw-hill.co.uk/textbooks/bennett>
- <http://www.Peter-Lo.com/Teaching/M8748>