

U08182 Information System Design

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Who am I?

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Course Outline

- Basic Concepts of Design
- Software Design Methodology
- UML Diagram
- Software Architecture and Architectural Styles
- Software Architecture Analysis Method (SAAM)
- Testing Principles and Practice

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Assessment

- **Assessment**

Coursework:	50%
Examination:	50%

Total:	100%
- **Study Approach**

Lecture	25 hours
Self study (including Assignment)	75 hours

Total:	100 hours

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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.**

Textbook

- Zhu, H., Software Design Methodology: From Principles to Architectural Styles, Elsevier Science, 2005. (ISBN: 0750660759)

Recommended Further Readings

- Software Design, 2nd Edition, David Budgen, Addison Wesley, 2003.
- Software Architecture: Perspectives on an Emerging Discipline, Mary Shaw, David Garlan, Prentice Hall, 1996.
- Software Design: From Programming to Architecture, E.J. Braude, John Wiley and Sons, 2003.
- Design Patterns Explained: A New Perspective on Object-Oriented Design, Alan Shalloway and James R. Trott, Addison Wesley, 2002.
- Software Architecture in Practice, Len Bass, Paul Clements, Rick Kazman, Addison Wesley, 1998.
- Software Architecture and Design: Principles, Models, and Methods, Bernard Witt, F. Terry Baker and Everett Merritt, Van Nostrand Reinhold, 1994.