



SOFTWARE ENGINEERING

(Công nghệ phần mềm)

502045

Course Outline

COURSE DESCRIPTION

- Course name: SOFTWARE ENGINEERING
- Course code: 502045
- Course Credits: 4 (3.1)
- Prerequisite: Programming Methodology
- Lecturer: Nguyen Ngoc Phien

COURSE DESCRIPTION (Cont.)

- This module introduces the processes and tools necessary for the development of high quality software systems:
 - Software requirements gathering and specification
 - System analysis and design
 - Software testing and deployment

COURSE OUTLINE

1. Introduction to Software Engineering
2. Software Processes
3. Agile Software Development
4. Requirements Engineering
5. System Modeling
6. System Design

COURSE OUTLINE

7. Software Implementation
8. Software Testing
9. Advanced Topics in Software Engineering

TEXTBOOKS

- [1] Ian Sommerville, [2011], Software Engineering 9th Edition, Pearson, Boston
- [2] Martin Fowler, [2003], UML Distilled: A Brief Guide to the Standard Object Modeling Language 3rd Edition, Addison-Wesley, Boston.
- [3] Wilbert O. Galitz, [2007], The Essential Guide to User Interface Design: An Introduction to GUI Design Principles and Techniques 3rdEdition, Wiley, Indianapolis

ADMIN MATTERS

- Tutorials and labs will start in week 3

ASSESSMENT:

- 10% - Presentation
- 20% - Mid-term exam
- 20% - Labs+Agile
- 50% - Final project

Q&A