



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 3rd Edition, 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