

# **SE202 2-2019**

# **Introduction to Software Engineering**

## **Lecture 0**

Course Description and Syllabus

# Pathathai Na Lumpoon, PhD

## Qualifications:

- 2011 – 2015 Ph.D. in Computer Science at Universite Grenoble Alpes, France
  - LIG (Laboratory Information of Grenoble), MRIM (Multimedia Information Modeling and Retrieval) Group
  - PhD Topic: Semantic Integration of multi-sources web service for E-tourism
- 2003 – 2005 M.Sc. Information Technology Management, University of Texas at Dallas, USA
- 1999 – 2003 B.Eng. Computer Engineering Chiang Mai University, Thailand

## Works:

- Secretary and lecturer of Bachelor of Science Program in Software Engineering (International Program)

# Lecturer

## Pathathai Na Lumpoon

- Email: [pathathai.n@cmu.ac.th](mailto:pathathai.n@cmu.ac.th)
- Office: CAMT 418
- Office Hours:
  - Mon 11:00 – 12:00,
  - Thur 11:00 – 12:00
  - or with appointment

# Description

Study details of software development **processes** and **activities**:

- Software engineering process
  - Software specification
  - Software development
  - Software validation
  - Software evaluation
  - Software process model
- Project documentation and user satisfaction
- Software engineering tools and methods
- Software engineering management

**Prerequisite:** SE 103 (953103) PROGRAMMING LOGICAL THINKING

**Lectures:** CAMT 113, 09:30 – 11:00, Monday and Thursday

# Objectives

Upon completion of this course, students will be able to

- understand and explain different **processes** in software development
- **apply** the appropriate software engineering process to their development of software
- understand and use different **methods, technologies, and tools** used for each software development activity and process

# Study Resources

Text: Beginning Software Engineering 1st Edition by Rod Stephens, 2015

Text: Software Engineering, tenth edition, Sommerville, I, Addison Wesley, 2015,

L. Lethbridge, Object-Oriented Software Engineering-Practical Software Development using UML and Java, McGraw-Hill, 2nd Edition, 2005.

## Recommended Readings:

- Software Engineering A Practitioner's Approach, 8th ed., Pressman, McGraw Hill, 2014
- Fundamentals of Software Engineering, 2nd Ed., Ghezzi, Jazayeri, and Mandrioli, Pearson Education - Prentice-Hall, 2003, ISBN 9788120322424
- Software Engineering Body of Knowledge  
<http://www.computer.org/portal/web/swebok>

# Evaluation

Attendance:	5%
Homework & Quiz:	15% (sometimes pop up quiz)
Term Project:	20%
Midterm exam:	30% (20 February, 8.00-11.00 )
Final exam:	30% (30 April, 8.00-11.00 )

- Maintain your class attendance up to 80%. You cannot allow to have the final exam if your class attendance is less than 80%.
- No late submission is allowed unless agreed ahead of time.
- Academic dishonesty (e.g. cheating, plagiarism) is unacceptable and will not be tolerated.
- Request for revising your grade can be made within 30 days after the start of the next semester ONLY. No request will be accepted after the 30-day period.

# Attendance and Grade Policies

- Late submissions for the term paper will NOT be accepted, unless previously agreed with the instructor.
- Any submitted work found with plagiarism, or with references not cited, will receive '0'.
- Over 15 minute late is considered absent for the class. If students must be absent, please notify the lecturer before the date of their absence.
- Students who do not take the final exam may fail this course.
- The evaluation is ***based on a scale***. The letter grades will be A, B+, B, C+, C, D+, D, or F.
- The following letter grades may also be given:
  - “I” Incomplete
  - “P” In progress
  - “W” Withdrawn



Things must do for Today!

# 1. Fill up the registration form

- Scan the following QR code to access to the registration form



## 2. Enroll to the class on Google classroom

- Download google classroom app on your smart phone OR access <http://classroom.google.com> on your web browser
- Login with your elearning.cmu.ac.th account (if you don't have the account, you can apply it at <https://signup-elearning.cmu.ac.th/signup/> )
- Use class code 4alorqf to join the class

4alorqf

### 3. Add two accounts on your email client

- As we will use google classroom as our eLearning tool and CMU email, I suggest you add the following accounts into your email clients
  - elearning.cmu.ac.th email account
  - cmu.ac.th email account