Instructor: Prof. Alfred Defonzo
Office: Marcus 121

Day and Time: M-W-F 12:20pm-01:10
Place: ELAB 306
Course Website: https://spark.oit.umass.edu/webct/entryPageIns.dowebct
Office hours (Alfred Defonzo) M-W-F 1:30pm-2:30pm, Marcus 121
Office hours (TA: Prabakaran Subramanian) M/W 2:30pm-3:30pm, Place (TBD)


Suggested Reading:
-UML Distilled (suggested reading)

Grading:
Homework/quiz 15% (6 HW)
Midterm I (Date TBD) 25%
Midterm II (Date TBD) 25%
Final (cumulative – Date TBD) 35%

Purpose of the Course:
- Provides the foundations to understand the Software engineering
- Explain in detail the various software development stages and life cycles
- Provides the foundations to understand the various tools used in Software engineering
- Perspectives of the advanced software engineering concepts

Course Outline:

Part I- Introduction to Software engineering
- Introduction
- Socio-technical Systems

Part II- Software engineering
- Software Process
- Agile Software development
- Requirements engineering
- Systems Modeling
- Architectural design
- Design and Implementation
- Software Testing
- Software Evolution

Part III- Advanced Software engineering (time permitting)
- Service-oriented Architecture
- Embedded Systems

Policies:
Strictly adheres to the UMass Academic Honest Policy