

CSCI/CSIS 602: Foundations of Software Engineering – Fall 2013 – Course Syllabus

Dr. Michael Verdicchio; office: The Citadel, Thompson Hall 226; phone: 3-6987; email: mv@citadel.edu

Class: T 5:30-8:15PM Lowcountry Graduate Center B-140. Website: <http://bit.ly/602fall13>

Office Hours: Before or after class. Also you can request an appointment and stop by The Citadel.

Textbook: Software Engineering: The Current Practice, Vaclav Rajlich, CRC Press/Chapman & Hall, ISBN: 978-1-133-19082-0. Used and eBook options are available at lower prices.

Course Description: Three credit hours. This is a survey course in software engineering processes and methodologies. This course includes software life cycles, planning and managing projects, capturing and managing requirements, analysis and design, implementation, software testing and quality assurance, and risk analysis in software development. Emphasized are team-based development, quality standards, object-oriented design, and CASE (computer aided software engineering) tools. The course requires no previous background in software engineering, but does require considerable dedication and hard work. The course consists of one 180-minute lecture per week. If you miss three or more sessions you may be dropped from the class. Upon successful completion of this course, a student will be able to: Understand various processes used in software development projects and the artifacts produced by those processes, apply intellectual standards to reading, writing and presenting research-oriented and project-related technical material, demonstrate how to think about Software Engineering, not necessarily what to think about Software Engineering

Exam Dates: These exam periods cannot be missed without a documented medical excuse. Midterm: Tuesday 29 October 2013. Final presentation: Tuesday 10 December 2013, in class.

Assignments and Assessment (subject to modification): There will be a mixture of quizzes, programming assignments, writing assignments, a project, a midterm exam and a final paper with presentation. The breakdown of the grading weights will be: 10% quizzes, 10% assignments, 30% project, 25% papers, 20% midterm, 5% presentation. Letter grades will be assigned based on the above weights, as well as the instructor's subjective judgment, according to the Graduate College grading scale: A (high quality), B+ (above average), B (average), C+ (below average), C (unsatisfactory), and F (minimal requirements not met).

You must solve all assignments on your own unless explicitly permitted. You may discuss the problems with your classmates, but not solutions; you must create and write up your own work independently.

Academic Integrity Policy: Cheating is contemptible and those who cheat are reprehensible. The Citadel Honor Code requires each student to act with honesty and integrity and to respect the rights of others in carrying out all academic assignments. This official policy can be found here: <http://www.citadel.edu/honor> and <http://www.michaelverdicchio.com/students/academic-integrity-policy/>. School policy allows for cheating sanctions ranging from zero credit for an assignment to expulsion (without expectation of readmission). Any student who is found to have violated the Honor Code in this course, no matter how minor the violation, will at a minimum receive a failing grade by reason of academic dishonesty in the course (permanent record). Rather than existing for the sake of strictness, this policy is intended to create a fair evaluation system for students who choose to abide by the standards for academic integrity by eliminating from consideration the grades of those who choose not to.