

Software Engineering - II

Spring 2013

CRN # 3807

IST 333 Section 201 3

C r e d i t

H r s

Instructor: **Dr. Hamid Chahryar**
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Class Hours: **M-W-F** **from 10:00 am to 10:50 am** **PH 200**

Office Hours: **M** **11:00 am to 12:00 pm**
 T **10:00 am to 12:00 pm & 1:00 pm to 2:00 pm**
 W **11:00 am to 12:00 pm**
 R **10:00 am to 12:00 pm**

Appointment during the time other than office hours is possible. Call me or E-mail me and let me know whenever you need me.

University Policies : By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to <http://www.marshall.edu/academic-affairs> and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to http://www.marshall.edu/wpmu/academic-affairs/?page_id=802
Academic Dishonesty / Excused Absence Policy for Undergraduates /
Computing Services Acceptable Use / Inclement Weather / Dead Week /
Students with Disabilities / Academic Forgiveness / Academic Probation and
Suspension / Academic Rights and Responsibilities of Students / Affirmative
Action / Sexual Harassment

Text Book: Software Engineering, 9th Edition
 By: Ian Sommerville Publisher: Pearson Education ISBN#: 9780137035151
 Desired Learner Outcomes/Objectives:

Computer requirement: Supplemental materials can be found contained within the Blackboard Learn environment (<http://www.marshall.edu/muonline/>). I will be sending class announcements, updates, etc. using your Blackboard account (will discuss during the first lecture). Access to a WWW browser is required, as is Adobe Acrobat Reader (available for download free from Marshall University’s Computing Services download page), and Visio 2010 Professional. You can visit the IST office in Morrow 116 to obtain the agreement that must be completed in order to obtain the software. These software packages are available free of charge to students in this course

Course description: Introduction to the industrial process of software systems development. The course covers project management and planning; risk management issues, software quality and configuration issues and processes, methods and development topics.

Credit: The course is three (3) credit hours. It includes classroom lectures, exams, Quizzes, and project. Students will participate in group project that illustrate the software life cycle.

Prerequisites: PR: IST 332 (Software Engineering I)

Course objectives/Outcomes:

By the end of this course, you should be able to:

Course Student learning outcome	How practiced in this class	How assessed in this course
Software Evolution Concept will be presented (Chapter 9)	In class lecture, examples and discussion	End of the chapter quiz #1, mid-term exam week 1, 2 Student Presentation
Students will learn what is Sociotechnical Systems. (Chapter 10)	In class lecture and discussion	End of the chapter quiz #2, mid-term exam week 3 Student Presentation
Dependability & Security in Software Development process will be discussed. (Chapter 11)	In class lecture and discussion Project discussion & Progress Report	End of the chapter quiz #3, Student Presentation mid-term exam week 4
Students will be exposed to Dependability & Security specification. (Chapter 12)	In class lecture and discussion. Project discussion	End of the chapter quiz #4, mid-term exam week 5,6 Student Presentation
Dependability Engineering will be presented. Chapter 13)	In class lecture & discussion	End of the chapter quiz #5, mid-term exam week 7 Student Presentation
Security Engineering in Software development process will be discussed. (chapter 14)	In class lecture & mid-term.	End of the chapter quiz #6, mid-term exam week 8,9 Student Presentation
Dependability and Security assurance will be discussed. (Chapter 15)	In class lecture and discussion. Project discussion.	End of chapter quiz # 7 and final exam. Week 10, 11, Student Presentation
Embedded Software development will be discussed. (chapter 20)	In class lecture and discussion	End of the chapter quiz #8, mid-term exam week 12, 13, Student Presentation
Students will discuss the progress of their project.	In class discussion	Week 14, 15, final exam + group project presentation

Instruction method:

There will be 3 contact hours of classroom lecture per week. The final phase of the course project will be considered. Lectures and discussions are integral parts of this course. Students are strongly encouraged to participate in those in class discussions.

Evaluation method:

Evaluation of student's performance will be based on the quality of your performance on projects, homework assignments, quizzes and exams.

Grading policy:

8 quizzes (5% each)	40%
Mid-term	10%

Progress in project and final report & presentations	35%
Final exam	15%

Assessment of Projects:

The grading of all quizzes, homework assignments and project will take into account:

- Although the most important attribute of an assignment is correctness, grading will take into consideration efficiency, documentation, etc.
- Although interactions with other students are encouraged, you must compose your own answers, unless otherwise noted.
- Individuals who utilize other people's thoughts or ideas must provide appropriate references to said resources, including any and all web resources consulted. Failure to provide such documentation will result in a failing grade for the assignment, and may result in a failing grade for the course.

Grade distribution policy:

Final grade >90	letter grade = A
90>Final grade >=80	letter grade = B
80>Final grade >=70	letter grade = C
70>Final grade >=60	letter grade = D
Final grade <60	letter grade = F

Additional Policy Statements:

My Academic Dishonesty Policy

Academic Dishonesty is defined as any act of a dishonorable nature which gives the student engaged in it an unfair advantage over others engaged in the same or similar course of study and which, if known to the classroom instructor in such course of study, would be prohibited. Academic Dishonesty will not be tolerated as these actions are fundamentally opposed to "assuring the integrity of the curriculum through the maintenance of rigorous standards and high expectations for student learning and performance" as described in Marshall University's Statement of Philosophy.

If you are found cheating on projects or plagiarizing answers from the Internet or other sources (among other things), there will be no second chance. Your penalty is that you will receive a failing grade for the course. In those cases in which the offense is particularly flagrant or where there are other aggravating circumstances, additional, non-academic, sanctions may be pursued through the Office of Judicial Affairs. Notice of an act of academic dishonesty will be reported to the Department Chair, Dean of the College of Science, and to the Office of Academic Affairs. Please refer to the Marshall University Undergraduate Catalog for a full definition of academic dishonesty.

Attendance Policy:

Records of attendance will be kept on a daily basis. Successful completion of the course is very unlikely without regular attendance. Please manage your time wisely. It is your decision and your responsibility.

Make-up Exams and Quiz policy:

Any student who misses a test due to an unexcused absence will receive a grade of "0" (zero) for that test. Any student who can provide verification that he/she missed a test due to a University approved excused absence will have to take a make up exam that would be equivalent to the regular test. **However, it is faculty's decision to validate student's excuse.** Student must make an arrangement with the faculty to take the make up exam prior to the distribution of the result of the regular test. **Students missing the final exam for any reason**

will get an “F” in this course.

Special Needs:

Student enrolled in H.E.L.P. or any other support program at Marshall University must present his/her enrollment documents to receive the accommodations required by the program. Student's verbal request, in the absence of such documentations, does not obligate faculty to provide any accommodations such as exam-time extension and/or special computer etc...

Assignments and projects:

Students may be given two types of assignments. Homework, and quiz. Each homework assignment is due at the due date before the class starts. 24 hour late assignments will be considered only with 10% penalty. Later assignments will not be considered. University excused absence rules will be also applied to assignments. Students will be given a quiz after each chapter is covered.

Communication: The Discussion Tool within Blackboard and E-mail to your MU e-mail address will be used to make any general announcements, last minute changes, etc. It is mandatory that you monitor your Blackboard course messages at least once a day.

Note about cell phones in class: In compliance with Marshall University's cell phone policy, please set your cell phone ringer to "Vibrate Only" mode (or turn it off) before you enter the classroom.

Important Dates:

Monday, January 14th	First Day of Classes
Monday, Jan. 21st	Martin Luther King Jr. Holiday
January 22 nd	“W” Withdrawal Period begins
March 11 th	Deadline for submitting Freshmen Mid Term Grades
March 17th –March 24 th	Spring Break
March 29 th	Last Day to drop an individual Course
April 3 rd ,	Assessment Day (Class dismissed)
April 29 th - May 3 rd	Dead Week
May 3 rd ,	Last Class Day
May 14 th , Noon	Deadline for submitting Final Grades