Course Number and Title: CS 4273 / ECEN 4273, Software Engineering

Time: 2:30-3:45 MW    Place: MSCS 310 and T-NCB 222

Instructor: M. Samadzadeh    Office: MSCS 215    Phone: 744-5674
Office Hours: 11:30-1:00 Tuesday and Thursday, or by appointment if necessary

TA: Alireza Boloorchi    Office: MSCS 227    Phone: 744-8518
E-mail Address: boloorc@cs.okstate.edu
Office Hours: 1:00-2:30 Monday, 1:00-2:30 Wednesday, 11:30-12:30 Friday,
or by appointment if necessary

Prerequisites: CS 3653 (Discrete Mathematics II), and either CS 3443 (Computer Systems) or
ECEN 3213 (Microcomputer Principles and Applications)

Text, etc.:
• Ian Sommerville, Software Engineering, 9th Ed., Pearson Education Inc., Essex, England and
• Various Periodical Articles and Technical Publications selectively copied and handed out in
class.
• Other Books, Conference Proceedings, Journals, etc. available through the University
Libraries.

Course Description: Fundamental characteristics of the software life cycle. Tools, techniques,
and management controls for development and maintenance of large software systems.
Software metrics and models. Human factors and experimental design.

Grading:
Homeworks 10%
Project 30%
Tests (2) 15% each (September 26 and October 29)
Final Exam 30% (December 10, 2:00-3:50 PM) comprehensive


Extra work is required of the graduate students taking this course. The extra work will be an
extra component of the semester-long multi-phase team project, e.g., its reliability analysis, its
formal risk analysis, its cost/benefit analysis, or constructing the software architecture of the
eventual implementation of the specific project assigned to each team.

Notes:
(1) Announcements about assignments, project due dates, etc. will be made in class and/or by
CSX email. Students are to check their CSX email regularly using their class account
userid@cs.okstate.edu. All student-initiated course-related email communication is to be done
using CSX email. Note that your CSX email is not the same as your okstate email.

Passwords for new accounts on CSX are the PR&SM passwords (PR&SM = Password Reset
and System Management) that students can get via their O-Key accounts. If you have a new
CSX account, you should use your PR&SM password.
Students are responsible for all announcements made in class and/or by email. Students are to either check their class account email on CSX regularly or to put an appropriate forwarding mechanism in place to make sure to read their class-related email.

For CSX accounts, CSX email, or other Computer Science Department general computer problems, report the problem using the form available at the URL http://sysmgr.cs.okstate.edu/ or send email to systems.group@cs.okstate.edu.

(2) Assignments are due at the beginning of class on the date they are due, unless announced in class otherwise. Homework assignments are to be submitted in hard copies, i.e., on paper. The "word processing and formatting" of the assignments is preferred and recommended but not required. Assignment legibility is a requirement. Late assignments will not be accepted. Only when verifiable extenuating circumstances can be demonstrated will make-up exams or extended assignment due dates be considered. Verifiable extenuating circumstances must be reasons beyond control of the students, such as illness or accidental injury. Poor performance in class is not an extenuating circumstance. Advise your instructor of the verifiable extenuating circumstances in advance or as soon as possible. In such situations, the date and nature of the make-up exams and the extended due dates for the assignments will be decided by the instructor.

(3) A general point about assignments and tests: It is understood and it is always the case that you must justify your answers, show all your work, and state your assumptions on all problems and exercises in the assignments and examinations.

(4) Cell phones must be turned off during class and in examination sessions. Computer use, i.e., the use of a laptop, tablet, smart phone, etc., is not allowed in class unless a clear and convincing case is made for the use of one.

(5) For OSU-Tulsa students, North Hall 103 is the student submission and pick-up office, unless there is an email notification otherwise.

Attendance Policy:

(1) Attendance is strongly encouraged, but not required or monitored. Students are responsible for all material covered in class. Some of the material covered in class will not be in the text book.

(2) There will be a number of "talks" delivered by speakers from the industry. The talks are considered as "lectures". There may be questions form the talks in the subsequent exams. You just need to listen attentively to be able to answer the questions. Access to the presentation slides will not be necessary. Possible questions from the talks will be based on the "take-away" of a typical attentive listener and not based on memorizing the details of the entire presentation.

(3) Taking a course as a remote student is not the same as taking a correspondence course or taking an on-line course. For this course, the lectures are broadcast to the remote site(s) but the recordings are not going to be available. This course is not asynchronous, it has a pace and progress rate that must be followed by all students. The deadlines and due dates apply to all students.

(4) Attending this class requires registration or formal audit, no informal "sitting in" is allowed.
Collaboration Policy for CS 4273 / ECEN 4273

Homeworks: Discussion of any kind is allowed. After discussion, each student must write up her/his own solution. Copying another student’s work is not allowed. Giving another student your work is considered cheating as well.

Project: Discussion shall be only among team members since the projects will be team-specific.

Examinations: No discussion of any kind (except with the instructor) is allowed. No access to any type of written material is allowed.

Students who do not comply with the described collaboration policy will receive a grade of F in the course. Furthermore, the case will be reported to the University Officials.

Attachments:

- Computer Science Department General Computer Use and Misuse Policy
  http://cs.okstate.edu/cspolicy.html

- Academic Dishonesty Policy
  http://cs.okstate.edu/cspolicy.html

- Disabilities Act
  http://cs.okstate.edu/cspolicy.html

- Academic Integrity Policy
  http://cs.okstate.edu/cspolicy.html

- Oklahoma State University Syllabus Attachment, Fall 2012

- OSU-Tulsa Addendum to Syllabus Attachment, Fall 2012
  http://cs.okstate.edu/~samad/5323/Fl12-Tulsa-Syl-Att.doc

- Fall 2012 Final Examination Schedule

- Fall 2012 - Academic Calendar