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

Time: 2:30-3:45 MW  Place: MSCS 310 and T-MCB 2202

Instructor: M. Samadzadeh  Office: MSCS 215  Phone: 744-5674
Office Hours: 11:30-12:15 Monday through Thursday, or by appointment if necessary

TA: Goutam Mylavaruapu  Office: MSCS 230
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Office Hours: 1:00-2:30 Monday, 1:00-2:30 Wednesday, 11:00-12:00 Friday, or by appointment if necessary

Prerequisites: 2133 (Computer Science II), CS 3653 (Discrete Mathematics for Computer Science), and either CS 3443 (Computer Systems) or ENSC 3213 (Microcomputer Principles and Applications)

Text, etc.:
• 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 21 and October 24)
- Final Exam 30% (December 7, 2:00-3:50 PM) comprehensive


Notes:

(1) Announcements about assignments, project due dates, etc. will be made in class and/or by okstate email. Students are to check their okstate email regularly. Students are responsible for all announcements made in class and/or by okstate email. All course-related email communication is to be done using okstate email.
Students are assigned a class account on the Computer Science Department’s main computer system called CSX.
New students need to go to http://cs.okstate.edu/pwreset to set an initial password (using their OKEY short name and password); and then, when they first log into CSX, the students will change the password to something they choose. Detailed information is available at: http://cs.okstate.edu/loggingon.html
For CSX accounts, 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 (for remote-site students, Item 5 below applies). Homework assignments are to be submitted in hard copies, i.e., on paper (for remote-site students, Item 5 below applies). 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 state all assumptions, show all work, and justify all answers and derivation steps for all problems and exercises in the homework 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, wearable devices, etc., is not allowed in class unless a clear and convincing case is made for their use. If you have something more important, or more interesting, to do than attend class and pay attention, then by all means you are advised to skip class and duly attend to your higher priority affair. If you expect an emergency call or if you are monitoring an emergency situation real-time, then you need to leave the class in order to attend to your emergency situation. Just sitting in class and doing what appears as surfing or browsing on a cell phone is not acceptable.

(5) The primary mode of class material exchanges and student-specific presentations with the remote site(s) will be via computer (email, Skype, etc.).

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. These talks are considered as "lectures". There may be some questions form the talks in the subsequent exams. You just need to listen attentively to be able to answer these questions. Access to the presentation material will not be necessary nor possible. Questions from the talks will be based on the "take-away" of a typical attentive listener and not based on the memorization of the details of each presentation.

(3) Taking a course as a remote-site 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); however, there are no recordings to be made available later. 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. Examination will be based on the material covered in class. The best source for study/preparation is the notes that you take in class, the objective being to encourage/reward class attendance.

Students who do not comply with the described collaboration policy will receive a grade of F for 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/CSUsePolicy.html
  [ Also see: Appropriate Computer Use http://it.okstate.edu/policies/pol_app.php ]

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

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

- Academic Integrity Policy:
  http://cs.okstate.edu/CSUsePolicy.html
  [ A more in depth statement of OSU’s policy can be found here:
  Honesty/Fairness/Trust/Respect/Responsibility
  http://academicintegrity.okstate.edu/ ]

- Oklahoma State University Syllabus Attachment, Fall 2016
  http://cs.okstate.edu/~samad/4273/16SyAt.pdf

- OSU-Tulsa Addendum to Syllabus Attachment, Fall 2016
  http://cs.okstate.edu/~samad/4273/16SyAtT.doc

- Fall 2016 Final Examination Schedule
  http://cs.okstate.edu/~samad/4273/16FinExams.pdf

- Fall 2016 - Academic Calendar