

# COSC 340: Software Engineering General Information – Spring 2017

**Class Information:** As below:

Room: 400 Earth and Planetary Sciences Building

Time: MWF 9:05AM – 9:55AM

Prerequisites: COSC 302 (or COSC 307): Data Structures and Algorithms

**Instructor:** Dr. Michael Jantz

Office: 607 Min Kao

Office Hours: M 10:00AM – 12:00PM or by appointment

Email: mrjantz@utk.edu

**Teaching Assistants:** Sara Mousavi, Robby Ferguson, & Dakota Abston

Office Hours: By appointment

Email: {mousavi,rfergu13,tabston1}@vols.utk.edu

**Texts:** Sommerville, Ian. Software Engineering (10th Edition). Recommended: Harbison and Steele. C: A Reference Manual.

**Course Website:** The course will be hosted on UTK's Blackboard site: <https://bblearn.utk.edu/>.

The page will contain a variety of information, which will include the syllabus, schedule, slides, grades, and review materials.

**Slides:** There is a lot of material to cover in this class. Lecturing from slides will allow me to cover the material at a more rapid pace. I will use slides I developed myself as well as material adapted from a set of slides and notes by Professor Ravi Sethi (University of Arizona), as well as figures and tables from the text. Slides and additional material that I have developed for the class will be made available from the course website prior to their presentation.

**Homeworks & Quizzes:** I will periodically assign short homeworks and give in-class quizzes. Quizzes will typically be announced in advance, but I reserve the right to hold quizzes without prior announcement.

**Attendance and Punctuality:** I do not plan to take roll, but you are responsible for all material presented in class. If attendance becomes an issue, I reserve the right to check roll to evaluate participation grades. Exams and due dates will be scheduled in advance. A grade of zero will be recorded for missed quizzes, exams, and late assignments unless prior arrangements are made. Assignments turned in after the due date, but by the beginning of the next scheduled class will be penalized 10%. Assignments will not be accepted that are more than one class period late.

**Cheating:** Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed. Specifically, students may share notes and discuss the questions on individual homeworks, but should not share answers or copy any materials from other students. Students must also cite any source code or software from outside sources that is included in project submissions.

**Disabilities:** Please advise the instructor of this class at your earliest convenience (minimum of five working days) if you have a disability that will require a reasonable accommodation for any of the activities in the course schedule.

**Grading:** Grades will be based on your scores on two midterms (15% each), a course project (50% total), and homeworks, quizzes and classroom participation (20%). Keep all graded material to provide evidence of grades. I plan to use a standard grading scale (90 to 100 is an A, 80 to 89 is a B, and so on.), but I reserve the right to alter this scale depending on how the class scores on tests, projects, and assignments.

**Course Project:** You will work in teams to propose, design, implement, and present a semester-long software project. Your project work **must** be done in groups of 4 (or 3 if a fourth member cannot be found). This work accounts for a major portion of your course grade (50%), so choose your teammates wisely. The course project consists of a series of presentations and deliverables that will be assigned throughout the semester. The grade breakdown is shown below:

1. Preliminary Project Proposal (5%)
2. Revised Project Proposal (5%)
3. Status Report 1 (5%)
4. Status Report 2 (5%)
5. Status Report 3 (5%)
6. Final Project (Report + Demo) (25%)

Each student in the group should have a role and be able to explain their individual contribution to the project. We will take into account student feedback on the project and on their teammates at the end of the semester, but for the most part, teammates will receive the same project grades.

**Subject to Change Statement:** All information contained in this syllabus is subject to change, with advance notice, as deemed appropriate by the instructor.