**CSCE 5430 (Fall 2018)**

**Software Engineering**

**Course Information**

Professor: Hyunsook Do

Office: NTDP F244

Office Hours: Tuesday (2-3pm) and Thursday (1-2pm)

Email: hyunsook.do@unt.edu

Class Hours: Tu/Th 10-11:20 am (NTDP D215)

TA: Alakananda Vempala (alakanandavempala@my.unt.edu)

TA office hours: Mon – 2-3pm; Tue – 11:30am-12:30pm (Help lab)

Credit: 3 credit hours

Class Textbook: Software Engineering: A Practitioners Approach, 8th Edition,

 Roger Pressman and Bruce Maxim, McGraw-Hill

Course Documents: Lecture Notes and Course Documents will be found in ***Blackboard***

**Course Description and Learning Objectives**

This course is an introduction to software engineering. Students will gain the knowledge and skills required for the disciplined development of large software projects. Students in this course will participate in a large team project.

**The topics covered in this course** include requirements and specifications development, documentation of the design (including UML), testing of software implementation, usability testing, and system and user documentation.

**Students should gain these skills by the end of the course**:

1. Elicit and document requirements for a software project.

2. Use UML for design, such as use cases and class diagrams.

3. Conduct testing, such as validation, integration, and unit testing.

4. Conduct usability testing, such as heuristic evaluations.

5. Participate in peer reviews such as code inspections.

6. Communicate software product and process results in oral and written form.

**Prerequisite**

CSCE2110 and programming experience

**Grading Criteria**

* Individual Assignments 20%
* Group Project 40%
* Exams 40%

**Grade Assignments are made based on the following:**

 A = 90-100% C = 70-79.9% F = less than 60%

 B = 80-89.9% D = 60-69.9%

**Course Policies**

* All assignments will have specific due dates and penalties will be given for the late submissions (10% deduction per day up to a maximum of three days).
* For the group project, each member in the group is responsible for creating/building their own portion of the software components including modeling/writing specifications and reports.
* A picture ID is required by all students taking exams.
* No make-up exams will be given unless a written medical excuse is provided.
* **Violation of Academic Dishonesty/Plagiarism**:
* The student will fail this course and the plagiarism case will be reported to the CSE department.

**Academic Dishonesty/Plagiarism:**

Cheating will result in failure in the course. Please reference the UNT academic integrity policy for more information on cheating. We emphasize that individual work such as homework assignments and pop quizzes must be done on your own and that cheating will result in failure of the course. Do not discuss solutions or share copies of individual work.

Unacceptable collaboration will be considered a violation of a Code of Student Conduct, and will result in a failing grade for the course. In addition, the incident will be reported to the CSE department, in accordance with the CSE department policy on academic integrity. Please make sure if you obtain ideas from others you give credit to your source. If questions arise during the course of working on a problem, please feel free to contact the instructor for a clarification.

**Special Needs**

Any student in this course who has a disability that necessitates accommodation should contact the instructor as soon as possible to discuss the appropriate accommodations necessary to complete the course requirements.