

University of Texas at Dallas—Department of Computer Science

CS 6380.001 Fall 2019 – Distributed Computing

Instructor: S. Venkatesan (Venky) ES 4.212, Phone: 972-883-2452, e-mail address: venky@utdallas.edu , URL: www.utdallas.edu/~venky; Class room: FO 1.202

Office Hours: T/Th 10 am to 11 am. Other times by appointment.

TA: TBA

Prerequisites: The prerequisites for this course is CS 5348. You must satisfy the prerequisite to be in this class. Please upload the filled out verification form on elearning.

Course Objective: The main goal is to obtain insights into the design and development of large scale distributed systems.

Course Learning Objectives

Algorithm Design, Distributed Systems, Synchronous Systems, Asynchronous Systems, Graph Algorithms, Agreement, Large Scale Systems, Deterministic Algorithms and Randomized Algorithms.

Text: **Distributed Algorithms** by Nancy Lynch, Morgan Kaufman.

In addition, technical articles from conferences and journals will be used as well. (Reference to these will be provided throughout the semester.)

Assignments & Academic Calendar

Important Dates and Times	<ul style="list-style-type: none">• <i>Short Quiz 1: Thursday, September 5; first 15 minutes of regular class time</i>• <i>Short Quiz 2: Thursday, September 26, first 15 minutes of regular class time</i>• <i>Exam 1: Tuesday, October 1, 2018 , during regular class time</i>• <i>Short Quiz 3: Tuesday, October 22; first 15 minutes of regular class time</i>• <i>Short Quiz 4: Tuesday, November 12, first 15 minutes of regular class time</i>• <i>Exam 2: Thursday, November 14, 2018,during regular class time</i>• <i>Long Quiz Thursday, December 5, 11:30 am to noon.</i>
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Course Policies

Grading Criteria	<p>Exam 1: 25%, Exam 2: 25%, Programming and/or Research Projects: 25%; Quizzes: 25 %</p> <p>I will drop the lowest grade among the four Short Quizzes (Best 3 out of 4 quizzes).</p> <p>Students will be asked to demonstrate their projects to the TA to receive a grade on them.</p> <p>To pass, a student must pass separately in each component. To obtain an "A" or "A-" grade a student must perform above class average in each component.</p>
Make-up Exams	<p>Make-up examinations will be offered only if the student has a valid medical reason and produces a doctor's letter.</p> <p>If a student has to be absent for several classes because of job related obligations, he/she will not be eligible for an incomplete grade. In such instances, the student is advised to drop the course.</p>
Extra Credit	No extra credit work will be assigned.
Late Work	No late work will be accepted.
Class Attendance	<p>Regular attendance is highly recommended. As per the Department of Computer Science policy, three consecutive absences lead to one letter grade drop. Four consecutive absences lead to a F.</p> <p>http://cs.utdallas.edu/education/undergraduate/attendance-policy/</p>
Classroom Citizenship	<p>Class participation is highly encouraged. Ask questions and answer questions. There are no stupid questions. It is ok to give wrong answers during classroom discussions. (Don't let this hold you from participating in class discussions.)</p> <p>Use of Laptops and smart phones for purposes other than related to class work is prohibited.</p>
UT Dallas Syllabus Policies and Procedures	<p><i>The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.</i></p> <p><i>Please go to http://go.utdallas.edu/syllabus-policies for these policies.</i></p>

Make sure that you bring UTD ID for the quizzes and exams.

These descriptions and timelines are subject to change.