ECE 526 Distributed Algorithms
Fall 2016
Prerequisite: One of CS 473, ECE 428, ECE 438

Instructor: Nitin H. Vaidya Phone: 217-265-5414 E-mail: nhv@illinois.edu
Office Hours: Tuesday 2:00 - 3:00 or by appointment, room 456 Coordinated Science Lab.
Class: Monday and Wednesday 2:00 - 3:15 p.m., Room 3081 ECE Building

Course web page: http://courses.engr.illinois.edu/ece526/
Please visit the course web page regularly to see course-related announcements, and other relevant information.

Course material:
- In addition to the required textbook, the course will also use materials from other sources.

Course Content: Theoretical aspects of distributed algorithms, with an emphasis on formal proofs of correctness and theoretical performance analysis. Algorithms for consensus, shared memory consistency, clock synchronization, mutual exclusion, debugging of parallel programs, peer-to-peer networks, and distributed function computation; fault-tolerant distributed algorithms.

Grading policy:
- Homework and In-Class Quizzes: 25%
  Homework submissions must be typed (e.g., using LaTeX, or Word). A 48-hour extension beyond the due time for each homework is granted to all students. Submissions after the extension period will be assessed a 20% penalty per day, unless the instructor has approved an additional extension (additional extension will only be granted under extenuating circumstances).
- Two mid-term exams: 50% total
- Project and presentation: 25%
  More information to be provided on the course website.
- No final exam

Academic integrity: The policy for academic integrity is based the UIUC Student Code available from http://www.admin.illinois.edu/policy/code/ which states that “It is the responsibility of each student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions”.

You may discuss interpretation of the homework with each other, but you are expected to construct and submit your own solutions to any homework that you turn in for credit. You may not discuss take-home exam questions or answers with other students before the due time for the exam.

If students are found to have collaborated excessively on homeworks, or to have cheated (e.g., by copying or sharing answers during an examination), all involved will receive a grade of 0 for the first infraction; further infractions may result in failure in the course and possibly other penalties.