CmpE 476 –Distributed Systems

Instructor	H. Birkan YILMAZ (birkan.yilmaz@boun.edu.tr)
Teaching Assistants	TBA (Maybe None)
Course Website	moodle.boun.edu.tr
Textbook	Distributed Systems, *by M. van Steen and A.S. Tanenbaum*, 2nd or 3rd Edition
Goals	This course is designed to teach a) overview of research topics in distributed systems, b) design concepts for distributed systems.

Tentative Outline:

Week 1 : Introduction
Week 2 : Architectures
Week 3 : Processes
Week 4 : Communication
Week 5 : Naming & Distributed Hashtables
Week 6 : Synchronization
Week 7 : Consistency and Replication
Week 8 : Fault Tolorence
Week 9 : Security & Secure Key Distribution
Week 10: Distributed Object-based Systems
Week 11: Distributed File Systems
Week 12: Distributed Web-based Systems
Week 13: Distributed Coordination-based Systems (**This semester will take 12 weeks; we may omit this**)

Grading: (**A change of +- 5% may occur in the basis of evaluation!**)
    15% Quizzes (Quizzes will take place on the 3rd and 6th weeks)
    35% Projects (2 or 3) & Reports
    20% Midterm Exam (Tentative date is the 9th week)
    30% Final Exam

Important: **Projects and homeworks** assigned in this course are mandatory for passing the course. If you fail to submit on time, you will also fail the course!

Important: We apply "no mercy" rule for cheaters. Please stick with the honor code

Adapted by H. Birkan YILMAZ based on a version by Tuna Tuğcu.