

Computer Science 4400/5400
Analysis of Algorithms
Tennessee Technological University
Fall Semester 2008
Mondays, Wednesdays, Fridays 10:10-11:05 a.m.

- Instructor:** Martha Kosa
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- Office Hours:** 9-10 MWF, 9-11 R, 2-4 T, 3:30-4:30 MW
However, if you see the light on in my office at other times, please knock and I will try to help you. You can also call or email to make an appointment.
- Textbook:** Algorithm Design, by Kleinberg and Tardos, Addison-Wesley, 2006, plus course notes as necessary.
- Prerequisites:** CSC 2400 and CSC 2710.
- Description:** (from the catalog) Analysis techniques; search, traversal, string and graph algorithms; and NP-hard and NP-complete problems.
- Purpose:** The purpose of this course is to gain an appreciation of the intricacies involved in solving problems. We will determine how efficiently algorithms can solve problems, and we will see why some problems are very unlikely to have efficient solutions.
- Requirements:** You will take 2 in-class tests (20% each, tentatively scheduled for October 3 and November 7) and a final exam (20%, scheduled for Wednesday, December 10, at 10:30 am), and complete several written homework assignments (30% collectively) and a programming assignment (10%). Students in CSC 5400 may be required to complete more homework problems and a more involved programming assignment. The standard 10-point scale (90+ is an A, etc.) applies.

Students with a disability requiring accommodations should contact the Office of Disability Services (ODS). An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The ODS is located in the Roaden University Center, Room 112; phone 372-6119.