
TENNESSEE TECH UNIVERSITY – COMPUTER SCIENCE

SPRING 2019

2400-003 DESIGN OF ALGORITHMS

INSTRUCTOR INFORMATION

Professor: Dr. Stephen Scott
Office: Bruner 311
Email: sscott@tntech.edu (email is primary method of contact)
Office Phone: 931-372-6484 (email is primary method of contact)
Office Hours: 3:00pm – 4:00pm Tuesday & Thursday, other times by appointment
Classroom: Bruner 206
Credits: 3 credit hours
Meeting Times: 9:30am – 10:50am, Tuesday & Thursday
Final Exam: Monday – April 29, 10:30am – 12:30pm

COURSE INFORMATION

PREREQUISITES

C or better in CSC 1610, CSC 2110, CSC 2111, and MATH 1920. (MATH 1920 may be taken concurrently.)

TEXTS AND REFERENCES

Required: Introduction to Design and Analysis of Algorithms (3rd Edition), Anany Levitin, ISBN-10: 0-13-231681-1

COURSE DESCRIPTION

Advanced data structures and applications, problem solving strategies, heuristics, and complexity of algorithms.

MAJOR TEACHING METHODS

- Lectures
- Class Discussion

GRADING AND EVALUATION PROCEDURES

- **Exams:** All exams combined worth 100% of final grade. There will be 4 in-class exams.
- **Assignments:** Assignments are considered “extra” credit. Total points available worth 10% of final grade.
- **Penalties:** Each time a question is asked that may be answered by syllabus, you lose 1% point final grade.
- **Final Exam:** There is no cumulative final exam in this class.

GRADING SCALE

A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 59 and below.

COURSE POLICIES

STUDENT ACADEMIC MISCONDUCT POLICY

Student Academic Misconduct Policy describes the definitions of academic misconduct and policies and procedures for addressing Academic Misconduct at Tennessee Tech. For details, view the Tennessee Tech's Policy 217 – Student Academic Misconduct at Policy Central.

ATTENDANCE POLICY

Class attendance does not factor in grading. If you must miss a class, it is your responsibility to gather all class content and to complete all assignments within originally assigned due dates regardless of reason and without creating an additional burden on others (that includes professor, teaching assistant(s), students, and staff).

CLASSROOM ETIQUETTE:

Be courteous to all others at all times. Turn off your cell phone or put it in silent mode and put it away. There is to be no recording of class (audio, video, photo) without prior professor permission for each occurrence. Bring your notebook computer to class every day but do not use your notebook during class unless the instructor asks you to do so. Any type of Internet related activity other than for class-related purposes is not allowed during class time.

EXAM POLICY:

All exams must be taken at the time specified by the instructor. Makeup exams will be given for documented medical and University approved reasons only. Makeup exams will be as soon as possible following the missed regular scheduled exam date. If an exam is not finished within the allotted time, unanswered questions will be graded as 0 with no additional opportunity to respond to these questions. You may not leave the classroom during an exam for any reason – if you leave, you must turn in your exam as complete at that time. (Use the facilities BEFORE you come to the exam.) Only the exam, paper provided by professor, ink pens, and anything specifically allowed by professor at time of exam may be on your desk. If anything else is out during the exam, this will be considered as cheating (explicitly no water bottles, no phones, no devices) **ALL EXAMS MUST BE WRITTEN IN BLACK PERMANENT INK.**

ASSIGNMENT POLICY

Submit assignments as instructed. The ability to follow instructions is a required skill for a professional. Alternatives will not be accepted and will be considered as not submitted, resulting in a score of zero for the assignment. All assignments are due as assigned. More than enough time is given to complete assignments, and therefore exceptions will not be made for any reason, including lab down-time, assignments due in other classes, computer crashing, network problems, etc... The professor may provide additional constraints or clarifications that were not part of the assignment's original specification document. Not adhering to these additions will affect your grade, possibly resulting in grade of zero for the assignment.

DISABILITY ACCOMMODATION

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. For details, view the Tennessee Tech's Policy 340 – Services for Students with Disabilities at Policy Central.