

CSE 2321/5032

Foundations I: Discrete Structures

Autumn, 2017

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COURSE TOPICS: Propositional logic, Boolean algebra, first-order logic, sets, functions, basic proof techniques, graphs and trees, analysis of algorithms, asymptotic analysis, combinatorics, graph algorithms.

PREREQUISITE: CSE 2122, 2123, or 2221; and Math 1151 or 1161.

COREQUISITE: CSE 2231.

TEXT(required): *Introduction to Algorithms, Third Edition*, by Corman, Leiserson, Rivest and Stein.

MIDTERM 1: Wednesday, September 27, 8:00 - 9:45 p.m. in Mendenhall Lab 100

MIDTERM 2: Wednesday, November 1, 8:00 - 9:45 p.m. in Mendenhall Lab 100

FINAL:

1:50 p.m. Section: Wednesday, December 13, 2:00 - 3:45 p.m. in DL 369

4:10 p.m. Section: Thursday, December 14, 4:00 - 5:45 p.m. in DL 369

GRADING SCHEME (tentative): Participation 5%, Programming Assignments 5%, Homework 14%, Midterm 1 20%, Midterm 2 20%, Final 30%.

Homework is due at the beginning of class and may include programming assignments. Late homework will not receive credit.

There will be two programming assignments for the class that will be assigned in parallel to the homework. Their due date will be posted on Carmen, for a maximum credit of 100 points. The maximum credit is reduced by 20 points per day, or part thereof, the assignment is late. No credit will be given to a programming assignment that is more than 48 hours late.

GENERAL INFORMATION:

Information regarding the course will be posted on Carmen. CSE 2331 is not an online course. Students are expected to attend class regularly. In the event that a student must miss a class, the student is responsible for finding out what assignments were made, what due dates were announced, and what material was covered. Students are also expected to sign the attendance sheet, failure to do so will result on the student being recorded as absent in the class.

Piazza, www.piazza.com, will be used to post announcements and as a student discussion platform for the course. Some examples of acceptable topics to discuss include; general information, concepts as related to assignments, interpretation of assignments, problems with coding such as syntax and execution errors, etc. Please do not post answers or partial answers to homework problems. Do not post any code from programming assignments. Piazza will be monitored by the course grader and/or instructor. Students are responsible for any announcements/info provided on Piazza.

ACADEMIC MISCONDUCT: Students are required to follow the Ohio State Code of Student Conduct which can be found at http://studentaffairs.osu.edu/pdfs/csc_12-31-07.pdf. Among the other restrictions, pay specific attention to the section on Academic Misconduct. Among the restrictions, students are prohibited from:

- Providing or receiving information during exams.

- Providing or receiving assistance on homework and lab problems other than as outlined above for Piazza.
- Submitting plagiarized (i.e. copied but unacknowledged) work for credit.

Note: Faculty is required by the University to report any suspected violation of these conditions to the Council on Academic Misconduct. Misconduct cases are resolved via the CoAMs hearing processes. More about this process can be found at: <http://oaa.osu.edu/coam.html>.