

CSE 2321 — Foundations I: Discrete Structures – Summer, 2018

Instructor: Michael Fritz **Office:** Caldwell 411 **Office Hours:** TWThF 9:30 - 10:15 AM
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Midterm Dates (Tentative)

Midterm 1: Tuesday, May 29

Midterm 2: Friday, June 15

Final Exam

Friday, June 29

Textbook: There is not a required text for this course. All readings will be posted on Piazza. Optional texts include *Introduction to Algorithms*, 3rd edition, by Cormen, Leiserson, Rivest, and Stein and *Discrete Mathematics and Its Applications* by Rosen.

Course Summary: Propositional logic, first-order logic, sets, functions, graphs and trees, analysis of algorithms, asymptotic analysis, combinatorics, graph algorithms.

Course Website:

We will use Piazza rather than Carmen. I will post announcements on Piazza; these announcements will be automatically emailed to you. You are responsible for checking your email or Piazza on a daily basis for course announcements. I will also post homeworks, readings and videos on Piazza.

Grading policy: Grades will be based on two midterms (midterm 1: 20%; midterm 2: 25%), a final exam (35%), homework (10%) and programming assignments (10%).

I will not take attendance, but it is important that you attend class and participate in class regularly. I will only allow make-ups for quizzes if you have a documented excused absence, but I will drop the lowest of your in-class quiz scores at the end of the semester before I calculate grades. I will also drop your lowest homework score.

I will use the standard OSU grade scale: 93 or above is an A, 90 to 92.9 is a A-, 87 to 89.9 is a B+, 83 to 86.9 is a B, 80 to 82.9 is a B- etc. The class will not be curved, but I reserve the right to “bump up” border-line grades for students who attend class regularly and participate. Homework will be assigned throughout the semester. Homework assignments are due by 12 noon on the designated due date. You can turn in homework during class or to the envelope posted outside my office door. **Late assignments will not be accepted without a valid, documented excuse.**

Communication: Please post questions about the course material and course logistics to Piazza. Only email me if you have an issue that is specific to you (e.g. you are going to miss an exam). If you email me, please include the course name and your section time in the message.

In general, you don't need to contact me if you are going to miss a class. Please let me know though if you will be missing many classes due to an extended illness or other situation so that we can make sure that you are able to keep up with the material while absent.

Cell Phone and Laptop Policy: Please do not use cell phones or laptops during class. Cell phones and laptops should be kept out of sight, not in your lap or on the desk. Exceptions to the laptop policy will be made on a case-by-case basis; contact me if you feel that you must have access to a laptop during class.

Assignments, collaboration, and academic integrity: You are responsible for understanding the boundaries of collaboration permitted in this course and for working within those boundaries. Any violation of these standards is academic dishonesty. I am required to report this and any other academic misconduct to the Committee on Academic Misconduct (COAM) for investigation and sanction. For more information, see the Code of Student Conduct (studentaffairs.osu.edu/csc) and the COAM home page (oaa.osu.edu/coam.html).

I strongly encourage you to work with other students in this class on the homework. However It is important that you **write up your homework solutions individually**. Do not copy someone else's solutions or use answer keys from previous semesters. Organizing and writing up the solutions on your own ensures that you really understand the solution. Copying someone else's solution does not help you learn the material. Submitting a copied solution as your own work is plagiarism and will be reported to COAM.

Accommodations: If you may need an accommodation based on the impact of a disability, you should contact me privately as soon as possible to discuss your specific needs. You will also need to register with the Office for Disability Services, who will help with documenting disabilities and coordinating accommodations.