Fall 2014 Math 302.504: Discrete Mathematics
Lecture: MWF 10:20am–11:10am, CE 223

Instructor: Christopher O'Neill
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Office Hours: Monday 1:10pm-3:00pm, or by appointment

Prerequisites: Math 152 or equivalent
Final Exam: Tuesday, December 16th, 8:00am–10:00am
Text: *Discrete Mathematics and its Applications*, 7th Edition, by Kenneth Rosen
Course Webpage: `http://www.math.tamu.edu/~coneill/f14/`

Course Content: Math 302 is a course on discrete mathematics. As described in the course catalog, we will cover formal structures for describing data, algorithms and computing devices. We will also study the theory and applications of sets and algebraic structures. More specifically, we will cover Chapters 1 (§1-8), 2 (§1-4), 3 (§1-2), 5 (§1-3), 6 (§1,3-5), 8 (§1-5), and 9 (§1-6) from Rosen, plus additional topics as time permits. For a detailed timeline, see the course webpage.

Grading and points distribution

Homework (25%): There will be one homework assignment given each week. Each assignment will consist of required problems and practice problems. Required problems will be submitted to the instructor for a grade, and practice problems will not be submitted, but should still be completed to ensure understanding of the material. Homework assignments, along with their due dates, will be posted on the course webpage as they are assigned. Out of fairness to the other students, late homework assignments will not be accepted for credit. However, the 2 lowest homework grades of the semester will be dropped.

Exams (25% each): There will be three exams throughout the semester. The exams will take place on the following dates:

- Friday, October 3rd, 10:20am–11:10am,

- Friday, November 7th, 10:20am–11:10am, and

- Tuesday, December 16th, 8:00am–10:00am.

The first two exams take place during normal class time, and the last exam takes place during the final exam time. The last exam will be comparable in length to the first two exams, and will not be cumulative. Please keep these dates in mind when making travel plans. Absences from exams will be excused only for university approved excuses. For more detail, consult Student Rule 7 (`http://student-rules.tamu.edu/rule07`).

Participation (0%): This includes going to class, actively participating in the lectures, and completing the homework assignments on time. This does not directly factor into your grade, but I will take it into account if you are on a grade level boundary at the end of the semester.

Class Behavior: You don't get graded on this, but please do it anyway. This involves being on time, paying attention, turning off cell phones, things like that.

Disabilities: The Americans with Disabilities Act (ADA) is a federal antidiscrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you

have a disability requiring an accommodation, please contact Disability Services in Cain Hall, Room B118, or call 845-1637. For additional information, visit `http://disability.tamu.edu`.

Scholastic Dishonesty: Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy.

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An Aggie does not lie, cheat, or steal or tolerate those who do.

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Consult the aggie honor code (`http://aggiehonor.tamu.edu/`) for more detail. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor.

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