

MATH 2200-01 DISCRETE MATHEMATICS FALL 2015

Instructor: COSTEL IONITA
Office: SNOW 139
E-mail: ionita@dixie.edu

Phone: 652-7805

Time: 1:00-2:15 MW
Place: SNOW 125
Office Hours: 10:00-10:50 M-F, 2:00-2:50 TuWTh
or by appointment
Text: "Mathematics: A Discrete Introduction"; Third Edition
by Edward Scheinerman

1. OBJECTIVES: All classes in mathematics at DSU support the general education goal of the college. Within the limitations imposed by the nature of mathematics (i.e. the dependency on prior learning and the need for content fluency) each class will:

1. Employ mathematical techniques in computational problems.
2. Students will interpret mathematical models.
3. Construct quantitative, logical arguments.
4. Students will apply mathematical knowledge to real world problems.
5. Communicate in the mathematical language through the use of proper notation and terminology.
6. Students will explore and analyze mathematical concepts, using technology as appropriate.

DMAIL: Important class and college information will be sent to your Dmail email account. This information includes your DSU bill, financial aid/scholarship notices, notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSU. All DSU students are automatically assigned a Dmail email account. If you don't know your user name and password, go to www.dixie.edu and select "Dmail," for complete instructions. You will be held responsible for information sent to your Dmail email, so please check it often.

IMPORTANT DATES Go to: <http://www.dixie.edu/reg/?page=fall2015>

CLASS ATTENDANCE AND PARTICIPATION: It is your responsibility to attend class although it is not required. Be willing to be involved in the class as an active participant. ASK questions, contribute toward solutions, and be interested in the class activities.

GETTING HELP: Use the office hours! I do not plan anything during those times so if you do not stop by I am getting very bored. Use me as much as you can. That's why I am here.

HOMEWORK: Keep in mind that math is a skill that can only be learned and mastered by doing it yourself with lots of practice. Do not attempt to do a whole chapter's assignment at one sitting. A minimum of two hours spent studying outside of class for each hour in class is usually required for college courses.

GRADING: There are five tests (including the final exam) counting for 70% of your grade. The weekly homework assignments will count for 30% of your grade. All tests count toward your grade. Make-up exams as a general rule will not be given.

L^AT_EX: We will use L^AT_EX to typeset our homework. Go to <http://www.overleaf.com> or <http://www.sharelatex.com> to get started. If you have questions about it, come to my office.

GRADING SCALE: A (90-100%), B+ (87-89.99%), B (83-86.99%), B- (80-82.99%), C+ (75-79.99%), C (70-74.99%), C- (65-69.99%), D+ (60-64.99%), D (55-59.99%), D- (50-54.99%), F (0-49.99%).

The starred problems must be submitted in L^AT_EX. More information will be given during the first day of class. Schedule can change at any time at the discretion of the professor!

Monday	Wednesday HOMEWORK DUE
08/24 1.1, 2.1, 3.1, 3.2, 3.3, 3.4, 3.5*, 3.6, 3.7*	08/26 4.1, 4.2, 4.3*
08/31 5.1, 5.6, 5.9, 5.11*, 5.22 6.1, 6.2, 6.3, 6.9*	09/02 7.1, 7.4*, 7.5, 7.11
09/07 NO SCHOOL	09/09 Review, TEST 1
09/14 8.1, 8.12, 8.17*	09/16 9.2, 9.5, 9.8, 9.9*, 9.10, 9.11
09/21 10.1, 10.2*, 10.3, 10.4, 10.5	09/23 11.1, 11.2, 11.4, 11.5*, 11.7
09/28 12.1, 12.9, 12.16	09/30 Review, TEST 2
10/05 14.1, 14.2, 14.3, 14.4, 14.6* 15.1, 15.2, 15.3, 15.6*, 15.7	10/07 16.1, 16.2, 16.3, 16.4
10/12 17.1, 17.3, 17.14, 17.15*, 17.16 20.1, 20.4, 20.5*, 20.9	10/14 21.1, 21.2, 21.3, 21.8*
10/19 22.1, 22.2, 22.4(b, d*, h*), 22.5(c)	10/21 Review, TEST 3
10/26 24.1, 24.3, 24.5, 24.6, 24.14, 24.16*, 24.17* 26.9, 26.10, 26.11, 26.12*	10/28 35.1, 35.2, 35.3, 35.5, 35.8*, 35.9
11/02 36.1, 36.2, 36.4, 36.5, 36.12*, 36.16	11/04 37.1, 37.2, 37.3, 37.4, 37.13
11/09 39.1, 39.2, 39.3*, 39.9	11/11 Review, TEST 4
11/16 47.1, 47.2, 47.3, 47.17*	11/18 48.1, 48.5, 48.6*, 48.10
11/23 49.1, 49.3*, 49.6 50.1, 50.4*, 50.6	11/25 NO SCHOOL
11/30 51.1, 51.2, 51.4*, 51.8	12/02 52.1, 52.2, 52.9*, 52.11
12/07 53.1, 53.2, 53.8	12/09 Review for Final Exam

FINAL EXAM on MONDAY, December 14, 1:00-3:00