

MATH 245: DISCRETE MATHEMATICS
CRN 89312
5:20-6:45 PM MW, B204

Instructor: Carolyn R. Thomas, Ph.D.

Textbook: Discrete Mathematics and its Applications 6th Edition, by
Kenneth Rosen

Class Format: There will be tests as indicated on the schedule below.
Up to the first twenty minutes of each class will be spent reviewing assigned
homework problems. Unless a test is scheduled, there will next be a quiz,
and then new material will be covered.

Requirements: You are allowed three absences. Leaving class early will
be counted as half an absence. You will be dropped from the class if you have
more than three absences; however, if you stop attending, it is your
responsibility to drop the class. All students remaining on the roster after
October 29 must receive a letter grade. There will be no talking during class
other than the class discussion. If your phone rings during class or if I see
you text messaging or using the internet during class or if your electronic
devices disrupt class in any other way, points will be deducted from your quiz
total. Two points will be deducted for the first incident, 4 for the second, 8 for
the third, and so on.

Academic Honesty: Cheating will not be tolerated. Anyone who
plagiarizes someone else's work or uses resources that are not allowed on an
assignment will receive a score of zero on that assignment. The resulting
score of zero will not be dropped as a lowest quiz or test grade. Furthermore,
every possible effort will be made to place that cheating incident in the
student's permanent record.

Evaluation: Your final grade will be based on homework, quizzes, tests and a
final exam. There will be no late tests or quizzes given under any
circumstances. There will be no calculators allowed for tests or quizzes.
After dropping your two lowest quiz grades and one lowest test grade, scores
will be counted as follows:

Test average:	40%
Quiz average:	25%
Homework:	5%
Final exam:	30%

Letter grades will be assigned using the following scale:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Office Hours: My office telephone number is 388-3363, and my e-mail address is DrT@5cats.org. The syllabus and test scores will be posted at www.5cats.org. I will be available in room M211 for the following office hours:

Monday: 4:30-5:15 PM, 6:45-7:15 PM
Tuesday: 9-9:30 AM, 12:15-1 PM
Wednesday: 4:30-5:15 PM, 6:45-7:15 PM
Thursday: 9-9:30 AM, 12:15-1 PM

Tentative Schedule:

Week Of:	
8/23	1.1-1.3
8/30	1.4-1.6
9/6	holiday 9/6, 1.7
9/13	2.1-2.3
9/20	9/20 test on 1.1-2.3, 2.4
9/27	3.1-3.3
10/4	3.4-3.5, 3.7
10/11	4.1-4.2
10/18	10/18 test on 2.4-4.2, 4.3
10/25	4.4, 5.1-5.2
11/1	5.3-5.4, 6.1
11/8	6.2, 9.1
11/15	11/15 test on 4.3-9.1, 9.2
11/22	holidays
11/29	9.3, 9.5-9.6
12/6	9.7, review
12/13	12/13 and 12/15 final exam

A list of assigned homework problems follows. Homework is due at 5:20 PM on 12/8.

Homework Problems

1.1 – 1,5,8,10,11,14,15,18,21,24,27,29,33,36,38,39,40,41,46,47,51,56,57,62,65

1.2 – 2,5,8,10,15,17,22,28,33,35,36,39,43,46,47,51,54,57

1.3 – 2,5,8,10,15,17,21,23,29,32,35,39,44,47,53,61

1.4 – 1,4,8,11,15,16,19,22,25,29,34,39,41

1.5 – 1,3,6,8,14,15,18,23,30

1.6 – 1,5,9,10,15,19,22,27,33,35,38

1.7 – 1,4,8,9,12,15,21,24,27,30,36,41

2.1 – 1,2,5,7,11,15,18,20,25,32,34

2.2 – 1,2,4,5,10,14,16,21,24,28,32,38,41,45,50,53

2.3 – 2,5,9,12,13,15,18,22,25,27,31,35,39,41,46,53,58,61,65,68

2.4 – 2,5,8,10,13,17,19,24,27,28,29,32,35,44

3.1 – 2,5,9,11,16,21,25,29,33,34,41,48,52,56

3.2 – 2,8,13,18,21,23,25,30,33,37,43,45,48,54,58

3.3 – 1,2,5,7,10,14,16,21,24,27

3.4 – 1,4,5,9,12,15,17,18,21,24,27,29,32,33

3.5 – 2,3,6,7,10,12,14,17,21,24,26,28,31

3.7 – 1,5,11,15,19,22,25,28,32,36,43,52,55

4.1 – 4,9,17,20,26,31,37,41,45,49,52,55,61,65,66,67,71

4.2 – 1,5,10,13,23,27,37

4.3 – 3,6,11,14,18,23,27,29,34,35,38,44,48,49,56,59

4.4 – 1,4,6,9,12,17,21,25,28,32,33,34,41,47,50

5.1 – 1,5,9,12,17,20,23,27,31,33,35,41,44,48,52,57

5.2 – 1,4,9,12,15,19,21,27,31,35,37,40

5.3 – 1,3,7,9,12,15,19,22,24,27,30,32,37,39,41

5.4 – 2,5,9,13,19,23,25,29,31,33

6.1 – 3,8,15,19,22,25,29,33,36,41

6.2 – 1,3,6,9,11,14,20,24,26,28,31,35,38

9.1 – 1,3,7,10,13,15,17,20,23,27,31

9.2 – 1,2,3,5,9,12,14,17,20,23,25,27,29,31,34,37,41,42,45,47,49,53,61,63

9.3 – 1,4,5,8,9,11,14,15,18,19,23,25,31,35,38,40,42,46,47,49,50,55,57,61,63,67

9.5 – 1,3,5,7,9,10,15,17,18,21,22,25,26,30,34,36,37,41,43,44,47

9.6 – 2,4,5,8,10,13,15,17,21,25,28

9.7 – 3,5,8,9,12,17,19,20,24,26,30