

NUMBER THEORY

MATH 3160, ID #1967301, Spring 2000

(http://www.weber.edu/aghoreishi/Math3160_s00/Math3160_s00.html)

Prerequisite: Math 1210

Text: Elementary Number Theory in Nine Chapters by James J. Tattersall, Cambridge Univ. Press

Class Meetings: 11:00-11:50 MWF, B4, Rm 508

Instructor, Office, and Office Hours: Dr. Afshin Ghoreishi; <http://www.weber.edu/aghoreishi/>, B4, Rm. 503D, M 1:00-1:30, MWF 10:30-10:50, TWF 8:20-8:50, TH 11:00-11:50. At other times you can probably find me in my office or room 502D. You can also see me by making an appointment.

Procedures: We will go through the sections listed in the problem list. You are expected to read the book on your own and solve its exercises. Time permitting, occasionally we will have problem discussion days. We will have homework assignments and two exams. Utilize office hours. Be on time.

Homework: A problem list for our textbook is included. You should solve all these problems. The textbook contains answers to most of its exercises. For each chapter, I will hand out a homework sheet. About one-half of its problems will be from the problem list. Your homework grade will be based on these homework sheets. No late homework will be accepted.

Exams: We will have two exams and they will be administered at the Testing Center. Exams can be taken during the days listed below. No make-up exam will be given.

1st Exam	Feb 28 - Mar 1
2nd Exam	May 1 - May 3

The Testing Center is located in the Student Services Building Rm. 262, and will be open M-TH 7:30 a.m. - 9:00 p.m., F 7:30 a.m. - 4:30 p.m., Sat 9:00 a.m. - 4:30 p.m. You must start an exam early enough so that you will be done by their closing time. You must also take along a picture I.D.

Grading:	Exams (100 points each)	200 points
	Homework	100

	Total	300 points

Other Important Dates:

Martin Luther King Holiday	Jan	17
Last day to cancel	Jan	28
President's Holiday	Feb	21
Last day to drop with a grade of W	Mar	3
Spring Break	Mar	13-17

Math 3160 Problem List			
Section	Problems	Section	Problems
1.1	1-14, 20-22, 27, 39	5.1	9-31
1.2	1, 4-7, 12-13, 23-28, 31, 32, 36, 37	5.2	1-10
1.3	1-17, 20	5.3	3, 4, 8, 14, 25
1.4	1-23, 26, 29-33, 35, 36, 38	5.4	1-11, 16-18
2.1	1-19, 27, 30, 34, 38, 39	6.1	1-7
2.2	1-8	6.2	1-6
2.3	1, 2	6.3	3-13
2.4	1-5, 10, 13, 19	7.1	1-14
2.5	1-5, 13, 17, 19	7.2	1-15
3.1	1-14	7.3	1-5
3.2	1-9, 17, 28	7.4	1-9
3.3	2, 12, 13	8.1	1, 2, 9, 10, 18, 36, 39
3.4	1, 2	8.2	1-3, 9
3.5	5-12	8.4	1, 2, 4
3.6	12, 13, 34-42, 45	8.5	3, 4
3.7	3, 5, 6, 11	9.1	1-7, 11, 13, 14
4.1	1-10, 14, 18	9.2	5-11
4.2	3, 4	9.3	1, 4, 10, 11
4.3	1, 4		
4.4	1, 3, 16, 18-20, 24, 28, 30, 31		