Contemporary Mathematics

MATH 1030, CRN 33210, Spring 2012

http://faculty.weber.edu/aghoreishi/Math1030_s12/Math1030_s12.asp/

Prerequisite: MATH 1010 or Math ACT score 23 or higher or placement test.

Text: **Required:** Mathematics all around by Thoma L. Pirnot, 4th Ed, ISBN 0-321-56797-8.
(The price at Amazon.com is from about $60 to $100.)
Optional: Student's Solutions Manual by James Lapp, ISBN 0-321-57584-9. A copy of this book is available in Mathematics Students' Room, B4, Rm. 507.

Class Meetings: MWF 10:30-11:20, B4, Room 518.

Instructor Information: Dr. Afshin Ghoreishi, B4 Rm. 505A, http://faculty.weber.edu/aghoreishi/,
MW 9:30-10:20 and 12:30-1:20, R 10:30-11:20, and F 9:30-10:20. At other times, you can see me whenever I am in my office and not busy. You can also see me by making an appointment.

Procedures: I will try to answer a few questions at the beginning of each class, but this time will be limited. Be prepared for each class by working on prior homework and reading the book ahead of time. You are encouraged and expected to read the book on your own. Utilize office hours and other sources of tutoring.

We will have weekly homework quizzes, two 1-hour exams and a comprehensive 2-hour final exam. **Do not enter the class late & do not come to class if you have to leave early. Turn off pagers, cell phones and other such disruptive devices. Do not text message.** Failure to follow these basic courtesies may result in a failing grade.

Homework Quizzes: A problem list is included To be successful in this class you might need to do more problems. **Each Friday we will have a quiz**, except the first Friday. Quiz problems will be from the homework problem list. Homework Quizzes will be closed book and you will need a scientific calculator. **No** make-up homework will be given.

Attendance: You can earn extra credit for regular **on-time** attendance and positive contribution as follows: 15 points for missing at most 1 class, 10 points for missing 2 classes and 5 points for missing 3 classes. **Excessive absence (5 or more classes) will result in a grade of UW.**

Exams: Exams I and II will be administered at the Student Services Testing Center and can be taken anytime during the time periods listed below. The final exam will be in class. You will need a scientific calculator. **No** make-up exam will be given. Sample tests will be available at http://faculty.weber.edu/aghoreishi/.

Exam I	Feb 13-14 (tentatively chapters 13-15)
Exam II	Apr 2-3 (tentatively chapters 7, 9 and 10)
Final Exam	Wed, Apr 18, 11:00-12:50

The Testing Center is located in the Student Services Center, Rm. 262, and will be open M-R 7:30 am - 8:00 pm, F 7:30 am - 4:30 pm, Sat 9:00 am - 4:30 pm. You must complete an exam by one hour after their closing time. You must also take along a picture I.D. We will meet for our regular lectures during exam days.

Note: The university administration has reduced the length of the spring semester by 4 days. This means we will have two less classes than usual. I will do my best to still devote adequate time to all topics, questions and reviews.

Grading: Exams will be curved as needed, but a minimum standard will be retained regardless of the class performance. You will be given the opportunity to replace your lowest homework score with your score on a special assignment at the end of the semester.

Exams I	100 points
Exams II	100 points
Homework Quiz	100 points
Final Exam	150 points
Attendance	up to 15 *extra credit* points

Total	450 points

Other Important Dates:

Martin Luther King Holiday	Jan	16
Last day to cancel a class	Jan	23
Presidents' Day Holiday	Feb	20
Last day to drop with a grade of W	Mar	20

If you decide to drop this class, please inform me of your decision.

Extra Help: Room 507 in B4 is a perfect place to study. You will find a copy of Student's Solutions Manual in that room! **Some tutors in the Solution Space, B4, Room 519, should also be able to help you.** All other tutoring information can be found at the website http://weber.edu/Tutoring.

Course Coverage and Problem List© for Math 1030			
Section	**Problems**	**Section**	**Problems**
13.1	5-25 (odd), 27, 28, 30, 31, 39, 40, 57, 58	9.1	6-36 (odd), 39, 40, 43, 44, 47, 48, 57, 58, 66, 67-70
13.2	5-19 (odd), 21-24, 28-30	7.4	9-42 (multiples of 3), 45-47, 49, 50, 53, 54, 57, 58
13.3	5-23(odd), 36-54 (multiples of 3), 55-58, 79, 80	9.2	6-24 (multiples of 3), 27-34, 35-45 (odd), 47-54
13.4	3-14	9.4	3-33 (multiples of 3), 35, 36, 40, 41, 45, 46, 51-54
14.1	7-14, 16, 18, 21-28, 31, 33, 34, 43, 44, 47, 48, 51-55	9.5	3-13 (odd), 15, 16, 18, 19, 21, 22, 25, 26, 29, 30, 32, 33, 37, 38
14.2	5-21 (odd), 23-32	9.6	3-15 (odd), 17-19, 25, 26
14.3	6-42 (multiples of 3), 45-48, 51-54, 59-64, 65, 66, 69-72	10.1	6-30 (multiples of 3), 33-43 (odd0, 45-56
14.4	3-13 (odd), 15, 16, 19, 20, 23, 24, 27, 28	10.2	5-31 (odd0, 33, 36, 37, 39, 41
15.1	7–13 (odd), 17, 18, 20, 21, 23-28, 41, 42	10.3	6-39 (multiples of 3), 41, 42, 48, 49, 51, 52, 55
15.2	5-19 (odd), 21-24, 26, 27, 29, 30	10.4	5-17 (odd), 21, 22, 25, 28, 29, 30, 33, 34
15.3	5-21(odd), 25-28, 31, 32, 34, 35	11.1	3-15 (odd), 17-20
7.3	5-21(odd), 23-25, 27-29	11.2	5-7, 9-12, 13-15, 21-24, 25-27
7.5	13-27 (odd), 29, 30, 33, 34, 37-40, 41, 42, 47, 51	11.3	3-11 (odd), 13-17