PROBABILITY AND STATISTICS

MATH 3410, ID #1967501, Fall 2001

Corequisite/Prerequisite: Corequisite: Math2210 or Prerequisite: Math 1220 and consent of instructor

Text: Mathematical Statistics with Applications by Wackerly, Mendenhall and Scheafer, Duxbury, 5th Edition

Class Meetings: TTH 10:00-11:15, B4, Rm. 507

Instructor and Office Hours: Dr. Afshin Ghoreishi, B4 Rm. 503D, http://www.weber.edu/aghoreishi/, M 8:00-8:50, TTH 8:15-8:50 and 11:15-12:00. 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 below. You are expected to read the book on your own and solve its exercises. Time permitting, occasionally we will discuss homework problems in class. We will have weekly homework assignments and three exams, including a comprehensive final exam. Utilize office hours. **Be on time**. *Turn off all disruptive devices such as pagers.*

Homework: A minimal problem list is attached. Each Tuesday, I will hand out a homework sheet consisting of 10 problems with about 7 or 8 problems from the attached problem list. Homework will be due the following **Tuesday** in the gray plastic holder on the cork board outside my office. (I will pick up all homework at Wednesday 8:00 am.) Do not solve problems side-by-side, write only on one side of each page and staple your homework. Write your name on the top center position of front page and number your pages as, for example; 1/7, 2/7, ... , 7/7 (if there are a total of 7 pages), on the top right hand corner of each page. **No** late homework will be accepted.

Your ability to solve textbook exercises independently and correctly is a good indication of your readiness for the exams.

Exams: We will have three exams, including a comprehensive final exam, and they will be administered at the Testing Center in the Student Services Center. Exams can be taken during the days listed below. **No** make-up exam will be given.

1st Exam	Oct 1 - Oct 2	
2nd Exam	Nov 12 - Nov 13	
Final Exam	Dec 11 - Dec 12	

The Testing Center is located in the Student Services Center Rm. 262, and will be open M-TH 7:30 a.m. - 9:00 p.m., F 7:30 a.m. - 5:30 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)	300 points	
Homework	100	

Total	400 points	

It is possible to change the relative value of exams to maximize your course grade. If you would like to take advantage of this, you must talk to me before the 2nd exam.

Other Important Dates:

Labor Day Holiday	Sept 3
Last day to cancel	Sept 14
Last day to drop with a grade of W	Oct 19
Thanksgiving Holiday	Nov 22-23

Course Coverage and Problem List for Math 3410		
Chapter	**Sections**	**Exercises**
1	All	1.2-1.7, 1.11, 1.12, 1.14, 1.17, 1.20
2	All	2.3, 2.4, 2.6, 2.7, 2.9, 2.12, 2.16, 2.17, 2.25, 2.37, 2.38, 2.45, 2.47, 2.50, 2.51, 2.59, 2.65, 2.71, 2.80, 2.83, 2.84, 2.89, 2.96, 2.97, 2.102, 2.107, 2.114
3	All except 3.10	3.2, 3.3, 3.4, 3.7, 3.10, 3.18, 3.24, 3.25, 3.34, 3.40, 3.48, 3.49, 3.56, 3.60, 3.61, 3.67, 3.72, 3.74, 3.79, 3.82, 3.84, 3.86, 3.94, 3.99, 3.100, 3.105, 3.115 (a, b), 3.117
4	All except 4.7 & 4.11	4.1, 4.4, 4.8, 4.12, 4.20, 4.24, 4.29, 4.31, 4.35, 4.43, 4.46, 4.56, 4.57, 4.84, 4.87, 4.88, 4.96
7	All except 7.4	7.3, 7.4, 7.9, 7.10, 7.19, 7.20, 7.22 (See 1.11), 7.27, 7.34, 7.37, 7.39
8	All except 8.5	8.4, 8.5, 8.8 (See Table 8.1), 8.9, 8.17, 8.20, 8.24, 8.42, 8.43, 8.49, 8.58, 8.60, 8.61, 8.63, 8.68, 8.69, 8.79, 8.81
10	All except 10.9 & 10.10	10.2, 10.3, 10.5, 10.7, 10.8, 10.10, 10.12, 10.21, 10.22, 10.26, 10.29, 10.30, 10.31, 10.32, 10.33, 10.34, 10.37, 10.50, 10.52, 10.62, 10.64, 10.65, 10.66, 10.69, 10.70, 10.71

Note: Some results from chapters 5 and 6 will also be stated and used.

Math 3420 Course Coverage: Chapters 5, 6, 9, 11, 12, 13 and 15.