

Math 110–002 (Introduction to Probability and Statistics)
Fall 2009

Instructor: David Walnut

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Course web page: Access through <http://math.gmu.edu/coursehomepages.htm>

Office hours: MW 2:00pm–3:30pm and by appointment.

Text: L. J. Goldstein, D. J. Schneider, and M. J. Siegel, *Finite Mathematics & its Applications* (tenth edition)

Topics: The course will cover Chapters 5–7 in the text plus some additional material on Confidence Intervals.

General Comments:

The prerequisite for this course is a score of 75 or higher on the pre-algebra section of the Math Placement Test. You will be unable to register for this course if you do not have the proper prerequisites. Information on the Math Placement Test is available at http://math.gmu.edu/placement_test.htm.

The last day to drop this course without receiving an F is Friday, October 2, 2009. You will receive several quiz grades and your grade on the first exam before that date. This grade should be a strong indicator of how well you will do in the course. Use it to decide whether to stay or drop. The student who is undecided about what to do should talk with me before deciding.

The course web page contains announcements and useful information for students in this course. Solutions to quizzes, exams, any handouts, and this syllabus will be made available in downloadable form. **You are responsible for checking the web page periodically so that you will not miss important information.**

A considerable amount of help is available to you. I particularly recommend the Mathematics Tutoring Center. Information on this and other sources of help can be found at <http://math.gmu.edu/helpwithmath.htm>.

Grading:

Homework. Included with this syllabus is a list of homework exercises for the course. Homework will not be collected but it is absolutely essential that you do the homework problems in a timely fashion in order to do well on exams and quizzes. The assigned problems are representative of the quiz and test questions.

Quizzes. A short quiz (10–15 minutes) will be given each Friday at the beginning of class, including weeks when we have an exam. The best 10 of your quiz scores will be counted. Your total quiz grade will count as 3/16 of your final grade. **No make-up quizzes will be given under any circumstances. Do not even ask.**

Exams. Exams will be given on Wednesday, September 30, Wednesday, November 4 and Wednesday, December 9. Each exam will take the full class period. Each exam will count

for 3/16 of your final grade. Makeup exams will not be given except in cases of extreme hardship and then only when the student has contacted me **in advance**. **If I am not notified in advance, no makeup exam will be given.**

Final Exam: There will be a cumulative final exam given on Friday, December 18, 2009, 10:30am–1:15pm in the same room where we have class. The final exam will count for 1/4 of your final grade.

The grading scale is as follows. There will be no curve.

A+: 99 +; A: 92 - 98; A-: 90 - 91;
B+: 88 - 89; B: 82 - 87; B-: 80 - 81;
C+: 78 - 79; C: 72 - 77; C-: 70 - 71;
D: 60 - 69;
F: 0 - 59.

Homework Exercises

Section	Exercises
5.1	1–13 odd, 21, 25, 27–41 odd, 45 odd
5.2	1–13 odd, 15, 19, 23, 27, 31, 35, 37, 39, 43–49 odd, 57, 55, 59
5.3	1–15 odd, 19–37 odd, 41–49 odd, 53–59 odd
5.4	1–19 odd, 23, 25, 27, 31, 35, 39, 43, 47, 51, 55
5.5	1–33 odd, 37, 41, 45, 47, 49, 53, 57, 61, 65, 69
5.6	1–33 odd, 37, 41
5.7	1–13 odd, 17, 19, 23, 27, 29, 33, 37, 41, 47
5.8	1, 5, 9, 11, 15, 17, 19, 21
6.2	1–11 odd, 15, 17, 21, 23
6.3	1–11 odd, 15, 17, 19, 23, 27, 31, 37
6.4	1–15 odd, 19, 21, 23, 27, 31, 33, 35, 39, 43, 51, 53, 57
6.5	1–23 odd, 31, 35, 39, 41, 43, 47, 55, 59
6.6	1, 3, 5, 11, 13, 15, 21, 23, 27, 31, 33, 35, 39, 41
6.7	1, 3, 5, 9, 11, 13, 17, 19
7.1	1–13 odd, 17–23 odd, 27
7.2	1–7 odd, 11–29 odd
7.3	1–15 odd, 19, 21, 25, 29, 33
7.4	1–17 odd
7.5	1–15 odd, 19
7.6	1–33 odd, 37, 39
7.7	1, 3, 7, 9, 11, 13, 15