

MATH 111: Linear Mathematical Modeling

Section 001 - Syllabus for the Fall of 2009

Instructor: Prof. Flavia Colonna

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Office Hours: MWF 10:30 a.m. – 11:20 a.m. or by appointment.

Prerequisite: Passing score on the math placement test.

Textbooks:

1. L Goldstein, D. Schneider, and M. Siegel, *Finite Mathematics and its Applications*, 10th ed., Prentice Hall, 2010. The 9th edition of the text is equally acceptable.
2. Matlab, Data Fitting, and Modeling, Course Notes, Dept. Math. Sciences, GMU, 2000.

Supplementary Material: For your homework you may use any type of calculator. But for all tests and quizzes only scientific calculators with no graphing capabilities will be allowed.

Material to be Covered: Chapters 1, 2, 8, most of 11 in Textbook 1, and the material in Textbook 2.

Exams: There will be three 50-minute tests scheduled on **Fri. Sept. 18, Mon. Oct. 19, Wed. Nov. 18**, and a comprehensive final exam scheduled on **Fri. Dec. 18, 10:30 a.m. - 1:15 p.m.** Students arriving after 11:15 a.m. on the day of the final exam will not be allowed to take the test. *For all tests a picture ID is required.*

Homework: You are expected to solve all of the assigned homework problems. Homework assignments will not be collected. However, a satisfactory performance on the tests and the final exam largely depends on a thorough completion of these assignments.

Quizzes and Matlab projects: In the course of the semester there will six quizzes and two Matlab projects. The dates of the quizzes and the due dates of the projects will be announced in class.

Make-Up policy: No make up exams or quizzes are allowed after the scheduled exam or quiz. However, make-up exams or quizzes can be arranged in advance on an earlier date if a written excuse is provided. Furthermore, the computer projects must be turned in on time. *No exceptions will be granted to this policy.*

Grading Policy: Each 50-minute test is worth 100 points. The lowest test grade will be dropped. The lowest quiz grade will be dropped. The sum of the remaining quizzes is

worth 50 points. The sum of the grades of the computer projects is worth 50 points. The final exam is worth 200 points.

Attendance: Each student is expected to come to class regularly. Attendance and class participation will be used to decide grades (possibly, up or down) at the end of the semester.

Grading Scale: 90-100: A, 80-89: B, 70-79: C, 60-69: D, < 60: F. The grades A-, B+, B-, C+, and C- will be used in borderline situations, after considering attendance and class participation. Poor attendance may result in a grade drop. A+ will be given for a truly stellar performance for the entire semester.

Honor Code: Students are expected to be familiar with the Honor Code guidelines and abide by the Honor Code rules. No copying or sharing information is allowed during tests and quizzes.

Math Tutoring Center: There is a lot of work and effort required in order to pass this course! Get assistance if you need it. The center is located in the Johnson University Center (Room 344). The service is free. Please, if you need help, USE IT!

HOMEWORK ASSIGNMENTS

In addition to the HW problems from Text 2, solve the following problems from Text 1.

Section:	Problems: (odd only)
1.1	1-39
1.2	1-55
1.3	1-29
1.4	1-47
1.5	1-15
2.1	1-39
2.2	1-25
2.3	1-55
2.4	1-23
2.5	1-19
2.6	1-19
8.1	1-23
8.2	1-19
8.3	1-17
11.1	1-23
11.2	1-25
11.3	1-27