

MATH 24: Modern Business Mathematics, Summer 2007

Instructor: Dr. Coskun Cetin (pronounced 'Joshkun Chetin')
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Office Hours: M T W, 11:40 am-12:30 pm
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Lecture: MTWR 10:00-11:35 am, BRH 109

Textbook: Applied Mathematics for the Managerial, Life and Social Sciences by S. T. Tan, 4th edition

Prerequisites: Math 9 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of the ELM requirement and a passing score on the Intermediate Diagnostic test.

Material Covered: Most of the material to be covered will be from some selected sections of the chapters 2-6 and 9-10 of the textbook. The mathematics involved falls into five general areas: Functions, finance, rates of change, optimization and linear programming.

Course Description: Math 24 is designed around applications of mathematics in economic and business contexts. Students will analyze realistic business-related problems and will learn the mathematics necessary to solve those problems. It is a General Education (GE) course satisfying Area B4 (Quantitative Reasoning) of the GE requirements. Students will be given periodic writing assignments that encourage them to think through course concepts using both technical and non-technical language. Class discussions will emphasize this writing component requirement of the course through the above criterion. Some of the assignments would require the use of EXCEL or a graphing calculator.

GRADE EVALUATION

The final letter grade is based on a curve (see Note 2 below) determined by your performance on regular HW assignments, quizzes, one midterm exam and a cumulative final exam as follows:

Homeworks: 10%. There will be 6 written weekly HW assignments from the textbook, 5 best will count towards the course grade. No late HWs will be accepted. Some additional (suggested) HW problems will also be assigned to help you practice more on the topics covered. Although you don't have to turn in these problems for grading, you are expected to spend some time on them since the quiz and test questions will be similar to those ones.

Quizzes: 15%. A total of 4 weekly quizzes will be given but 3 best scores will contribute towards your grade. No make-ups.

Midterm Exam: 30%. No make-ups. If the test is missed with a valid excuse, its 30% weight is added to the remaining quizzes and Final exam.

Final Exam: 45% (cumulative and compulsory)

DATES

Drops: You may drop this course without penalty until June 15 on Casper Plus. After this date a petition to drop/add is required. For procedural details, refer to the DROP POLICY document of the CSUS Math & Statistics department.

HW due: Every Wednesday (starting June 6) in class except the first week of July: The 6th HW is due by Tuesday, July 3. The graded assignments will be returned in the beginning of the following class meeting on Thursday. The course announcements including HW assignments will also be posted on WebCT at <https://online.csus.edu>

Quizzes: Every Thursday (starting June 7) except the weeks of the MT and Final exams

Midterm Exam: Thursday, June 21 (in class)

FINAL Exam: Thursday, July 12, 10-11:35 am (in class)

Notes:

1. In principal, this syllabus is tentative and is subject to change. You are responsible for any such changes and all class announcements.

2. The grading by a curve applies only to those who consistently attend the lectures. If you miss more than 3 class meetings, your letter grade will be based on the standard grading system.

3. If you have a specific disability that qualifies you for academic/exam accommodations, please contact Disability Services.

4. Academic honesty is expected at all times and in all the work you do in class or outside the classroom. Cheating or plagiarism in any work turned in for a grade will result in your getting grade zero in that work. Repeated plagiarism could result in your failing the course.

5. It is your responsibility to assure that you are qualified to enroll in this course, e.g. the prerequisites or the required IAD score. You may be asked to drop this course if the instructor or the Math&Stat department is not satisfied with your algebra background, IAD score or the performance in the class.

6. Some of the examples that will be used in lectures come directly from the textbook. So, you are expected to bring the book with you to each class meeting.