Math 245 - 17521 - Mathematics for Management, Life, and Social Sciences (4)

Syllabus - OSU - Fall 2013

Instructor: Filix Maisch e-mail: maischf@math.oregonstate.edu
Meetings: MWThF 11 - 11:50 AM phone: 541-737-7127
Room: HKRT 110 office: Kidder 332 off. hrs: MWF 10:00 - 10:50 AM
Text: Finite Mathematics, Goldstein, Schneider, Siegel
Web: people.oregonstate.edu/~maischf/

Attendance: Regular attendance will be expected, but roll will not be taken.

Honor Code: Students are expected to be familiar with Oregon State University’s Statement of Expectations for Student Conduct. Please review this statement at the following web link:
http://oregonstate.edu/admin/stucon/achon.htm

Accommodations: Accommodations are collaborative efforts between students, faculty and Disability Access Services (DAS). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term. Students who believe they are eligible for accommodations should contact DAS immediately at 737-4098.

Course Description: The topics include counting, probability, elements of statistics, matrix algebra, and linear programming.

Schedule: See web for tentative term calendar.

Evaluation: Your grade is determined by online homework, in-class quizzes, one in-class midterm and a final. Your final percentage (if higher) can replace your midterm. Here is the point breakdown:

- Homework - 90 (Multiply your average homework percentage by 90 and round up.)
- Quizzes - 60 (Top six of seven quizzes worth 10 points each.)
- Midterm - 100 (Oct. 31st, in-class)
- Final - 200 (Time/location TBAD)

Grades will not be harder than:
405 - 450 A/A-, 360 - 404 B+/B/B-, 315 - 359 C+/C, 270 - 314 D, 0 - 269 F.

I do not use blackboard. A “keep track of my own grade” sheet is included at the end of this syllabus.

Homework: Homework is online. See the instructions on the web.

Course ID: maisch73117 Course Name: Math245Fall2013

Resources: The Math Learning Center is in Kidder 108H and is a great place to drop in for help. It is open from 9 AM to 4 PM, Monday through Friday, from the second week onward. I will be in there on Thursdays.

Quizzes/Tests: No resources are allowed on the quizzes. You are allowed one 3x5 inch handwritten note card for the midterm and one 4x6 inch handwritten note card for the final exam. Quiz dates are on the term calendar.
**Bacc Core:** This course counts toward Baccalaureate Core in the Skills category of Mathematics. The following are the student learning outcomes for this category:

1. Identify situations that can be modeled mathematically.
2. Calculate and/or estimate the relevant variables and relations in a mathematical setting.
3. Critique the applicability of a mathematical approach or the validity of a mathematical conclusion.

**Specific Learning Outcomes:**

1. Apply techniques of counting, probability, and elements of statistics related to probability distributions.
2. Apply introductory matrix algebra to solve systems of linear equations.
3. Apply graphical linear programming techniques.
4. Apply all of these techniques to solve problems and interpret the solutions in context.
Write down your scores!

(1) Quiz 1: ......out of 10

(2) Quiz 2: ......out of 10

(3) Quiz 3: ......out of 10

(4) Midterm: ......out of 100

(5) Quiz 4: ......out of 10

(6) Quiz 5: ......out of 10

(7) Quiz 6: ......out of 10

(8) Quiz 7: ......out of 10

(9) Homework: ......out of 90

(10) Final: ......out of 200