Math 241 - 36941 - Calculus for Management and Social Science
Syllabus - OSU - Winter 2012

Instructor: Filix Maisch  
e-mail: maischf@math.oregonstate.edu
Meetings: MWThF 2 - 2:50 PM  
phone: 541-737-7127
Room: ILLC 347  
office: Kidder 332 and ILLC first floor lobby.

off. hrs:
(1) MW 12:15 - 12:45 PM in Kidder 332
(2) MW 3:15 - 3:45 PM in ILLC (first floor lobby)
(3) Fri 12 - 12:50 PM in the MLC (Kidder 108H, starting the second week)

I am also available by appointment on Tuesday afternoons.

mlc hrs: Fri 12 - 12:50 PM (starting the second week)


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: Elementary differential and integral calculus of polynomial, logarithmic, and exponential functions and their applications to business, management and social sciences.

Schedule: See web for tentative term schedule.

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 - 100 (Your average homework percentage rounded up.)
- Recitation Quizzes - 100 (Top five of six quizzes worth 20 points each.)
- Midterm - 100 (Feb. 10)
- Final - 200 (March 20th, 4pm. Location: TBD)

Grades will not be harder than:
450 - 500 A/A-, 400 - 449 B+/B-, 350 - 399 C+/C, 300 - 349 D, 0 - 299 F.

I do not use blackboard. I encourage you to come to my office hours if you do not know how many points you have accumulated. At the end of this syllabus you have a page on which you can record your scores.
Homework: Homework is online. See the instructions on the web, where there is also a list of suggested exercises from the text.

Course ID: maisch21222 Course Name: Math241MWThF2PM

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 Fridays.

Quizzes/Tests: No resources are allowed on the recitation quizzes. You are allowed one 3x5 inch handwritten note card (both sides) for the midterm and one 4x6 inch handwritten note card (both sides) for the final exam.

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. Calculate average and instantaneous rates of change and identify instantaneous rates of change with derivatives.
2. Apply ideas of differential calculus to motion problems (velocity, speed, and acceleration)
3. Apply the algebraic limit laws and the standard rules of differentiation including the chain rule to calculate particular limits and derivatives.
4. Use methods of calculus to solve maximum and minimum problems.
5. Use methods of calculus to determine the shapes of curves.
Write down your scores!

(1) Quiz 1: ......out of 20

(2) Quiz 2: ......out of 20

(3) Quiz 3: ......out of 20

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

(5) Quiz 4: ......out of 20

(6) Quiz 5: ......out of 20

(7) Quiz 6: ......out of 20

(8) Homework: ......out of 100

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