Instructor: Filix Maisch  

Meetings: MWF 3 - 3:50 PM (& and 80-min recitation on Thursdays)  

Room: LINC 210  

Office: KIDD 348  

Office hours: MW 9:30 - 10:50 AM  

Text: Calculus, Early Transcendentals, Briggs, Cochran, et al. (2nd edition)  

Web: people.oregonstate.edu/~maischf/  

Enforced Prerequisites: Math 251 or 251H with a C- or better or instructor permission.  

Attendance: Regular attendance to lecture and recitation is expected.  

Honor Code: Students are expected to be familiar with Oregon State University’s Expectations for Student Conduct. Please review these at the following web link:
http://studentlife.oregonstate.edu/studentconduct/  

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: This course covers definite and indefinite integrals, integral tables, basic techniques of integration, the calculus of logarithmic and exponential functions, polar coordinates, and applications of integration to areas, volumes, force, work, and growth and decay problems.  

Schedule: See web for tentative term schedule.  

Evaluation: Your grade is determined by online homework, recitation group work, unannounced in-class true-false discussion quizzes, two evening midterms, and a final. Your final performance, scaled from 180 to 90, can replace the worst of your two midterms. Here is the point breakdown:

- Homework .................. 60 (Take your avg. homework percentage of 60 and round up.)  
- Recit. Group Work .. 50 (Top 5 of 7 group work activities worth 10 points each.)  
- T/F Quizzes ............... 30 (Top three of four true-false quizzes worth 10 points each.)  
- Midterm 1 .............. 90 (7 - 8:20 PM, Tuesday, Jan. 26th, LINC 128)  
- Midterm 2 .............. 90 (7 - 8:20 PM, Tuesday, Feb. 16th, LINC 128)  
- Final .................. 180 (7 : 30 - 9 : 20 AM, Monday, March 14th, location TBA)  

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 CANVAS. At the end of this syllabus you have a page on which you can record your scores.
Homework: Homework is online through www.mymathlab.com. On the web page there is also a list of suggested exercises from the text for extra practice and for studying for exams. Usually you get 3 attempts for credit. Late homework can be completed for a 10% penalty.

Course ID: maisch65335
Name: Math252_Winter2016

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 volunteer there for an hour on Fridays at 10 AM. Treat this as an additional office hour.

Tests: Note that no calculators of any kind are allowed on the first midterm nor the final. On the second midterm ONLY you are allowed a non-CAS calculator. You are allowed both sides of one 3x5 inch handwritten note card for each midterm and both sides of one 4x6 inch handwritten note card for the final. Your final exam (scaled) can replace your worst midterm if your performance on the final is better than your worst midterm. Tests are not allowed to be made-up unless the circumstances are truly exceptional and contact requesting the accommodation is made PRIOR to the test.

T/F Quizzes: No calculators nor notes are allowed on the unannounced in-class true-false discussion quizzes, but you are intended to share your reasoning with fellow students and discuss the questions out loud! These quizzes can occur anytime during class, so try not to be late to lecture. No make-up unless the reason you missed the quiz was for a verifiable OSU-based obligation (like being on the baseball team at an away game).

Recitation Group Work: Every week in recitation (except before the midterms and week 10) you will be asked to complete a recitation group-work activity worth 10 points in groups of 2-4, due at the start of the following week’s recitation. See the term calendar. Every group member individually is required to submit an activity. It is your responsibility to print the activities from the course web page and to bring them to recitation. The lowest two (of 7) activities will be dropped.

Specific Learning Outcomes: A successful student in Math 252 will be able to...

1. Describe the definite integral as a limit of Riemann sums and illustrate and interpret definite integrals as areas and signed areas.

2. Apply the Fundamental Theorem of Calculus to evaluate integrals and to differentiate integrals with respect to a limit of integration.

3. Use integration in applications, such as to find areas and volumes of regions and to calculate physical quantities such as total distance traveled, displacement, work, and center of mass.

4. Evaluate integrals using basic numerical integration rules.

5. Use first order differential equations to model and solve problems of growth and decay, cooling, and mixing.
Write down your scores!

(1) Group Worksheet 1: ......out of 10
(2) Group Worksheet 2: ......out of 10
(3) Group Worksheet 3: ......out of 10
(4) Midterm 1: ......out of 90
(5) Group Worksheet 4: ......out of 10
(6) Group Worksheet 5: ......out of 10
(7) Midterm 2: ......out of 90
(8) Group Worksheet 6: ......out of 10
(9) Group Worksheet 7: ......out of 10
(10) Best 5 of 7 Group Worksheets: ......out of 50
(11) Homework: ......out of 60
(12) True-False Quiz 1: ......out of 10
(13) True-False Quiz 2: ......out of 10
(14) True-False Quiz 3: ......out of 10
(15) True-False Quiz 4: ......out of 10
(16) Best 3 of 4 Quizzes: ......out of 30
(17) Final: ......out of 180