Application of Calculus to Business and Economics  
Math 112 A&B Winter 2017

Instructor: Dr. Jennifer L. Taggart  
Office: Padelford C-334  
e-mail: taggart@math.washington.edu (specify Math 112 in all correspondence)  
Course Website: http://www.math.washington.edu/~taggart/m112  
Office Hours: TBA or by appointment  
Math Study Center Hours: TBA

Text: Mathematical Applications for the Management, Life, and Social Sciences, tenth edition by Harshbarger/Reynolds, available at University Book Store or electronically (see course website)

Other Required Materials (bring to each class):  
- a clear plastic ruler  
- a TI-30X IIS calculator

Math Study Center Information: The Math Study Center for Math 111/112 is located in Communication B-006 and is open Monday through Thursday afternoons. (Precise hours will depend on the availability of tutors and will be announced during the first week of the quarter.) The MSC is staffed by TAs and instructors of Math 111/112 and is an ideal place to work on homework and study for exams. When you have a question, either raise your hand or put your name on the waiting list to receive help from one of our experts.

Course Objectives: Students will learn the concepts of differential and integral calculus in specific contexts with emphasis on applications to economics. Topics will include: rates of change, tangent lines, derivatives, accumulation, area, integrals, multi-variable functions, and partial derivatives.

Grading: Your grade will weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Participation</td>
<td>5%</td>
</tr>
<tr>
<td>Exam I</td>
<td>22%</td>
</tr>
<tr>
<td>Exam II</td>
<td>22%</td>
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<tr>
<td>Final Exam</td>
<td>36%</td>
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Homework: Homework will be administered by Webassign and will typically be due every Tuesday and Thursday night at 11 p.m. You will use a portion of each quiz section to ask your TA questions about the homework due that night. No extensions will be given to anyone for any reason. You may miss 10% of the total of homework points available for the quarter without penalty to your grade.

Participation: A portion of most quiz sections will be dedicated to either working on a group activity or practicing working old exam problems individually. The purpose of group activities is to get you to articulate your ideas and questions in small groups and have conversations about the material with your colleagues. The activities will contain important content that relates to both the homework and exams. The purpose of the individual test preparation problems is to give you the chance to practice working actual exam problems in a test-taking environment. For each group activity and test prep problem, you will receive a participation score (either 0 or 1): be on time, do the work, stay the duration, and you will earn the point for the day. You may miss two quiz sections without penalty to your grade.
Exams: You will be allowed to use a TI-30X IIS, a ruler, and one 8.5×11 sheet of handwritten notes for the exams. Other electronic devices will not be allowed (e.g. no other calculators, no cell phones, no laptops). You may not share a calculator nor a note sheet with another student on an exam.

Important Dates:

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>Exam I</td>
<td>Thursday, January 26</td>
<td>in quiz section</td>
</tr>
<tr>
<td>Exam II</td>
<td>Thursday, February 16</td>
<td>in quiz section</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Saturday, March 11, 5:00–7:50 p.m.</td>
<td>location TBA</td>
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Make-Ups: No extensions will be granted for homework to anyone for any reason. No exceptions.

Absences from quiz section will be excused only for traveling UW athletes or observance of religious holidays. Contact me a week in advance via e-mail to make arrangements. No other absences will be excused. No exceptions.

Make-up exams will not be given. If you miss an exam due to unavoidable, compelling, and well-documented circumstances (e.g., illness, transportation emergency), your final exam may be weighted more heavily. Contact Dr. Taggart immediately if one of these circumstances arises.

Resources for Students with Disabilities: Your experience in this class is important to me. If you have already established accommodations with Disability Resources for Students (DRS), please communicate your approved accommodations to me at your earliest convenience so we can discuss your needs in this course.

If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to; mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu or disability.uw.edu. DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions. Reasonable accommodations are established through an interactive process between you, your instructor(s) and DRS. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law.

Things to do before the next lecture:

- go to the course website and find:
  - information about the textbook and Webassign
  - advice to students who want to succeed in Math 112 (read this now, not after the first midterm)
  - other links to important resources
- if you don’t already have it, purchase the text and Webassign access either at the University Book Store or through the link on the course website
- log into Webassign and look around (you can do this even before you have an access code)
- get a clear plastic ruler and a TI-30X IIS calculator and bring these to every lecture
- log into the Canvas site, look around, and enable notifications so that you hear about any announcements
- put exam dates in your calendar