Math 202-02 Syllabus – Fall 2016
Calculus for Business and Economics

Section: 02
Class Times: Mon/Wed/Fr 2:10-3:00pm
Location: WEGN G1
Instructor: Henry Riely
Email: hriely@math.wsu.edu
Office Hours: Tues/Thurs 3:30-5:00pm in the MLC (Cleveland 130)
Also by appointment in case of time conflict (please email)
Class Website: Blackboard (learn.wsu.edu), log in using MyWSU login info
Use this site to check for class announcements, class notes and access
  to the online homework program, MyMathLab (mymathlab.com)

TA: TBA
TA Email: TBA
TA Office Hours: TBA (Held in the Math Learning Center, Cleveland 130)

Class Information: 3 credits [QUAN] Quantitative Reasoning UCORE
Prerequisites: MATH 106 with a C or better, MATH 201 with a C or better, or minimum
  ALEKS math placement score of 80%. Enrollment not allowed if credit already earned for
  MATH 140, 171, or 206. Credit not granted for more than one of MATH 140, 171, 202, 206.
Course Description: Differential and integral calculus of the polynomial, exponential, and
  logarithmic functions.

Math Learning Center (MLC)
Successful students make use of available resources; so don't struggle when help is just a
  few steps away! We want you to succeed, we're here for you, and we have FREE tutoring
  available in the Math Learning Center (Cleveland 130) and the computing lab, Thompson
  Hall (Room 1). Tutoring begins August 22nd.
Cleveland 130: Sunday 4 – 9pm, Monday – Thursday 10am – 9pm, Friday 10am – 5pm
Thompson 1: Sunday 4 – 9pm, Monday – Thursday 5pm – 9pm
For more information please go to: http://www.math.wsu.edu/studyhalls/welcome.php
This is an ideal place for you to go and work on homework, study for exams, and seek help.
Free tutors are available to help individual students and a study room may be reserved for
  large groups. Please bring your WSU Cougar Card with you.

*If you attend the MLC for a minimum of 2 hours each week, you will earn 1 point of
  extra credit per week for a maximum of 15 extra credit points for the semester. The
  two hours must be logged each week for the extra credit point; you cannot wait until
  the end of the semester to log all of the hours for the semester.
Course Material

- MyMathLab with Writing Space subscription (Required)

Homework will be assigned and completed via MyMathLab (MML). If you have a subscription for this textbook from a previous semester, it will still be valid for this semester; however, you will still have to enroll for this course through Blackboard. Be sure to sign up as soon as you can, **Homework 1 is due on Monday, August 29.** Financial aid subscriptions are available in the registration process, which will provide you with two weeks of access to the program. See the MML flyer for additional support in registering and enrolling. You will connect to MML through Blackboard. Please do not attempt to register for MML using a course code. The MML subscription includes access to an online version of the textbook.

**Need help with MyMathLab?** Please call the WSU Priority Helpline: (855) 875 – 1797

- Print Textbook (Optional, a digital copy is included with your MyMathLab subscription)

College Mathematics for Business, Economics, Life Sciences and Social Sciences.

Class Schedule & Lecture Notes

An approximate schedule and daily class notes will be uploaded on Blackboard regularly so that you can keep up to date on class if you are absent. It is your responsibility to check Blackboard for updates and announcements. If you miss class, you should check the schedule and class notes on Blackboard to stay up-to-date in the course prior to emailing the instructor.

Grades

Please keep all graded assignments, quizzes, exams, and other work. These will help you keep accurate records of your grades. I recommend getting a folder to keep and organize your graded work. A grade tracker is available on Blackboard for your use to help keep track of your current score. Office hours are a great time to discuss your grades.

Class Conduct

Please silence your cell phones and other electronics and refrain from using these items during class. If I feel you are disrupting the class or are disrespectful of anyone, I reserve the right to ask you to leave class for the day.

Email Correspondence (**hriely@math.wsu.edu**) 

Please include your full name and specify which class and section you are enrolled in. Please practice complete sentences and grammar in the body of the email.

Study Assistance

- My office hours (in the MLC) are available for you to seek help on homework or the paper, ask questions about concepts or grades, and make up quizzes. These are hours
that I will be in the MLC to help students. If you are unable to attend office hours, you may make an appointment by email. Please include a few meeting time suggestions in your email. The TA also has office hours that you can attend to receive help, especially for homework.

- Read and use your book. Each section includes explanations and examples to help guide you. There are also matched problems to each example with the answer at the end of the exercise section for additional practice. To review your algebra skills, see the Diagnostic Prerequisite Test at the beginning of the textbook or Appendix A: Basic Algebra Review in the back of the textbook. Utilize the chapter reviews at the end of each chapter.
- Hire a tutor for a fee (a list of tutors can be found in the Math Depart. Office, Neill 103)
- Seek help from a free tutor in the Math Learning Center.
- Explore the MyMathLab study plan that has been customized to your abilities.

Exams
There will be two exams and one comprehensive final exam.

Exam 1
Thursday, September 15 6:00pm – 7:15pm  Todd 130

Exam 2
Thursday, November 3 6:00pm – 7:15pm  Todd 130

Final Exam
Tuesday, December 13 7:00pm – 9:00pm  To Be Announced

- Note these dates immediately on your calendars.
- Please email the instructor if an academic conflict requires a makeup exam.
- According to university policy, no early final exams may be given.
- Calculators, notes and books will not be allowed for use on any exams.
- You must show all work on exams for full credit. NO WORK, NO CREDIT, NO EXCEPTIONS.

Quizzes
There will be approximately 11 quizzes throughout the semester. The highest 10 quiz scores will count towards your final grade. Each quiz is worth 15 points. A missed quiz is a zero. Quizzes are scheduled to occur every Friday. The material covered on the quiz will be the material on the most recently submitted online homework. There will be no quiz during the week of an exam. See the schedule for more details on quiz coverage and dates. No calculators or notes are allowed during quizzes.

Quiz makeup policy: You are allowed to make up 3 quizzes throughout the semester. You must email the instructor prior to the missed quiz to notify the instructor that you will need to make up the quiz. In your email, please provide your full name, student ID, and quiz number. These makeup quizzes can be taken during the instructor’s office hours. You must make up the quiz within two weeks of when the quiz was scheduled in class. A missed quiz due to a medical or an academic related excused absence can be made up with proper documentation and will not count as one of the three makeup quizzes.

Homework
- MyMathLab (MML) (online hw): There will be 15 online assignments. These assignments are due by 11:59pm on the assigned due date or will be considered late. See schedule for more information on deadlines. The highest 12 online homework scores will count towards your final grade. Each online assignment is worth 10 points. A
missed homework assignment is a zero. The assignments will be done via MML. Assignment lengths will vary.

- **Late MML HW policy**: The online homework can be worked on and submitted late for up to 3 calendar days past the due date. You will receive 10% off each day on the uncompleted problems. You do not need to email the instructor for this extension. Extensions without penalty may be granted for an academic or medical related excuse with documentation (contact the instructor).

- **Show Your Work (SYW) (written hw)**: There will be 15 Show Your Work (SYW) written homework assignments. These assignments are due by 3pm on the assigned due date or will be considered late. You can submit the assignment during class or to the instructor’s mailbox (located in Neill hall). See schedule for more information on deadlines. The highest 12 SYW homework scores will count towards your final grade. Each SYW assignment is worth 10 points. A missed SYW assignment is a zero. This portion of the homework consists of around 2 problems, which will be submitted on paper.

  - **Late SYW HW policy**: Late work will not be accepted. You will not receive credit if your homework is not submitted by 3pm on its due date. Extensions without penalty may be granted for an academic or medical related excuse with documentation (contact the instructor).

**Marginal Analysis Writing Assignment**

This paper is worth 100 points of your overall grade and is due on Monday, Nov. 28. If your paper is submitted by the early deadline (Nov. 16) you will receive 10 points extra credit on the paper and if it is submitted by the late deadline (Nov. 30), you will receive a 10–point penalty on the paper. No papers will be accepted after the late deadline (Nov. 30). Papers will be submitted electronically through MyMathLab.

**Grading Scale**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93 – 100%</td>
<td>B 83 – 86.99%</td>
</tr>
<tr>
<td>A-</td>
<td>90 – 92.99%</td>
<td>B- 80 – 82.99%</td>
</tr>
<tr>
<td>B+</td>
<td>87 – 89.99%</td>
<td>C+ 77 – 79.99%</td>
</tr>
<tr>
<td>B</td>
<td>73 – 76.99%</td>
<td>C 70 – 72.99%</td>
</tr>
<tr>
<td>C</td>
<td>67 – 69.99%</td>
<td>D 60 – 66.99%</td>
</tr>
<tr>
<td>C-</td>
<td>60 – 63.99%</td>
<td>D- 59.99%</td>
</tr>
</tbody>
</table>

WSU policy states that an incomplete grade may be awarded if the student is unable to complete their work on time due to circumstances beyond their control. Contact the instructor for more details.

**Grading Distribution**

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Amount</th>
<th>Point Value</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>2</td>
<td>100 points</td>
<td>200 points (22.47%)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>1</td>
<td>200 points</td>
<td>200 points (22.47%)</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10</td>
<td>15 points</td>
<td>150 points (16.86%)</td>
</tr>
<tr>
<td>MyMathLab</td>
<td>12</td>
<td>10 points</td>
<td>120 points (13.48%)</td>
</tr>
<tr>
<td>Show Your Work</td>
<td>12</td>
<td>10 points</td>
<td>120 points (13.48%)</td>
</tr>
<tr>
<td>Writing Assignment</td>
<td>1</td>
<td>100 points</td>
<td>100 points (11.24%)</td>
</tr>
<tr>
<td>Overall total</td>
<td></td>
<td></td>
<td>890 points possible</td>
</tr>
</tbody>
</table>
Course Topics
Chapter 10 Limits and the Derivative: Introduces the concept of a limit, the formal definition of a derivative, initial derivative rules and application.
Chapter 11 Additional Derivative Topics: Exponential and logarithmic functions. Furthers the use of derivatives including applications.
Chapter 12 Graphing and Optimization: Brings graphing of a function to our set of tools.
Chapter 13 Integration: Introduces the concept of area as the sum of a set of rectangles places between a curve, vertical lines and the x – axis. This area is tied to the reversal of a derivative, to limits and is the result of integration.
Chapter 14 Additional Integration Topics: Refines and expands the discussion of integration including area between curves and applications.
Chapter 15 Multivariable Calculus: A brief introduction to Calculus and rate of change when more than two variables are involved.

WSU Academic Integrity
Academic integrity is the cornerstone of the university. You assume full responsibility for the content and integrity of the academic work you submit. The guiding rule of academic integrity shall be that your submitted work, examinations, reports, and projects must be your own work. Any student who violates the University’s standard of conduct relating to academic integrity will be reported to the Office of Student Standards and Accountability and may fail the assignment or the course, depending on the situation of the violation. Cheating is defined in the Standards for Student Conduct WAC 504-26-010 (3).

Students with Disabilities
Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center (509-335-3417) to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center. For more information, visit http://accesscenter.wsu.edu. Please make sure to share this information and paperwork with me as soon as you can so you can use your accommodations in class.

WSU Safety Measures
WSU is committed to maintaining a safe environment for its faculty, staff, and students. Safety is the responsibility of every member of the campus community and individuals should know the appropriate actions to take when an emergency arises. WSU has developed a Campus Safety Plan, http://safetyplan.wsu.edu. Please visit this web site as well as the WSU emergency management web site at http://oem.wsu.edu/.
### Student Learning Outcomes

#### Quantitative Reasoning goals addressed:

<table>
<thead>
<tr>
<th>Goals</th>
<th>Means of Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explain information presented in mathematical forms.</td>
<td>Homework, Quizzes, Exams</td>
</tr>
<tr>
<td>Convert relevant information into various mathematical forms.</td>
<td>Homework, Quizzes, Exams</td>
</tr>
<tr>
<td>Understand and apply quantitative principles and methods in the solution of problems.</td>
<td>Application problems in Homework, Quizzes, and Exams</td>
</tr>
<tr>
<td>Make judgments and draw appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis.</td>
<td>Marginal Analysis Writing Assignment, Exams, Quizzes</td>
</tr>
<tr>
<td>Identify and evaluate important assumptions in estimation, modeling, and data analysis.</td>
<td>Marginal Analysis Writing Assignment, Exams, Quizzes, Homework</td>
</tr>
<tr>
<td>Express quantitative evidence in support of the argument or purpose of work (in terms of what evidence is used and how it is formatted, presented, and contextualized).</td>
<td>Quizzes, Exams</td>
</tr>
</tbody>
</table>

#### Critical and Creative Thinking goals addressed:

<table>
<thead>
<tr>
<th>Goals</th>
<th>Means of Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Define, analyze, and solve problems.</td>
<td>Homework, Quizzes, and Exams</td>
</tr>
<tr>
<td>Assess the accuracy and validity of findings and conclusions</td>
<td>Marginal Analysis Writing Assignment, Exams</td>
</tr>
<tr>
<td>Combine and synthesize existing ideas, images, or expertise in original ways.</td>
<td>Marginal Analysis Writing Assignment, Exams</td>
</tr>
<tr>
<td>Think, react, and work in an imaginative way characterized by a high degree of innovation, divergent thinking, and risk taking.</td>
<td>Homework, Marginal Analysis Writing Assignment, Quizzes, and Exams</td>
</tr>
</tbody>
</table>

#### Information Literacy goals addressed:

<table>
<thead>
<tr>
<th>Goals</th>
<th>Means of Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Determine the extent and type of information needed.</td>
<td>Marginal Analysis Writing Assignment, Exams, Quizzes, Homework</td>
</tr>
<tr>
<td>Use information to accomplish a specific purpose.</td>
<td>Homework, Marginal Analysis Writing Assignment, Quizzes, and Exams</td>
</tr>
<tr>
<td>Access and use information ethically and legally.</td>
<td>Homework, Marginal Analysis Writing Assignment, Quizzes, and Exams should be completed ethically and legally (abide by WSU Academic Integrity Policy)</td>
</tr>
</tbody>
</table>