



Math 202-02 Syllabus – Fall 2018

Calculus for Business and Economics

3 credits [QUAN]

Lectures: MWF 2:10 – 3:00 pm, Fulmer 201

Instructor: Dr. Eric Remaley

Email: ear@wsu.edu - email from your WSU email account, include your course and section (Math 202-02) in subject line or body

Office: Neill 315, phone (509) 335-2134

Office Hours: Tues, Thurs 9:30am – 11am & by appointment via email

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

Relevant URLs:

<http://www.math.wsu.edu/math/faculty/remaley/welcome.html>

Your main course web page; lots of stuff, including scans of lecture writings

<https://www.pearsonmylabandmastering.com/northamerica>

Access to the MyMathLab online homework

<http://my.math.wsu.edu>

Review your MLC login hours and your course scores (GOTO→INFO)

<https://my.wsu.edu>

Use this site to view midterm and final letter grades and final exam information

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.

Course Topics

- Chapter 10 Limits and the Derivative: Introduces the concept of a limit, the formal definition of a derivative, initial derivative rules and applications. (Sections 10.1 – 10.7)
- Chapter 11 Additional Derivative Topics: Exponential and logarithmic functions. Furthers the use of derivatives including applications. (Sections 11.2 – 11.7)
- Chapter 12 Graphing and Optimization: Strategy for graphing functions (Sections 12.1 – 12.6)
- Chapter 13 Integration: Introduces the concept of area as the sum of a set of rectangles placed 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. (Sections 13.1, 13.2, 13.4, and 13.5)
- Chapter 14 Additional Integration Topics: Refines and expands the discussion of integration including area between curves and applications. (Sections 14.1 and 14.2)
- Chapter 15 Multivariable Calculus: A brief introduction to Calculus and rate of change when more than two variables are involved. (Sections 15.1 and 15.2)



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Course Materials

- MyMathLab (MML) subscription (**Required**)

Homework will be assigned & completed online at the Pearson URL given above. If you have a MML subscription for this textbook from a previous semester in 201 or 202, it will still be valid for this semester & you will not need to purchase a new access code. However, you will still have to enroll in *this* MML course using the course code for your section. Get to work in MML soon; **MML 1 is due on Monday August 27**. If you can't purchase an access code right away, you can select a free two-week subscription during the registration process. The MML online subscription includes a digital copy of the text.

[MML Registration Instructions](#) for Math 202-02 (course code is given within)

MyMathLab 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, 13th edition*, by Barnett, Ziegler, Byleen. ISBN-13: 978-1323496879. The text book is available for purchase at The Bookie or Crimson & Gray. Textbook package will include MyMathLab subscription access code.

Grading Distribution

Assignment	Amount	Points per	Total
Exams	2	100 points	200 points (25%)
Final Exam	1	200 points	200 points (25%)
Quizzes	best 6	25 points	150 points (17.75%)
MyMathLab	best 12	10 points	120 points (15%)
SYW	best 12	10 points	120 points (15%)
Participation	≥8	10 points	10 points (2.25%)
Overall total			800 points possible

Grading Scale

93 – 100%	A	83 – 86.99%	B	73 – 76.99%	C	60 – 66.99%	D
90 – 92.99%	A-	80 – 82.99%	B-	70 – 72.99%	C-	0 – 59.99%	F
87 – 89.99%	B+	77 – 79.99%	C+	67 – 69.99%	D+		

Extra Credit Opportunity

For each week (Sun through Fri) that you attend the MLC for a total of at least 1 hour, you will earn 1 point of extra credit, for a maximum of 15 extra credit points for the semester. More than one hour during any given week will not earn more than one point. To receive credit, you must log in and out at the MLC by swiping your Cougar Card or entering your student ID. Any sessions in the MLC that last 3 hours or longer require a signed note from a MLC tutor to verify your attendance for that length of time. Without the note, you will not receive credit for those hours.



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Exams

Exam 1	Wednesday, Sept 19	6:00pm – 7:15pm	Todd 116
Exam 2	Wednesday, Oct 24	6:00pm – 7:15pm	Todd 116
Final Exam	Tuesday, Dec 11	7:00pm – 9:00pm	Room TBA

- Note these dates immediately on your calendars.
- Please email the instructor as soon as possible if a conflict requires a make-up exam.
- According to university policy, no early final exams may be given. The final exam is Tuesday, Dec 11, 7-9pm and cannot be given early. **Make travel plans accordingly.**
- Calculators and other electronic devices, notes and books may not be used during any exams. The use of any resources will result in failing the exam or course. See the academic integrity statement for more details.
- Unless specified otherwise, **always show all work** on all assignments, quizzes, and exams for full credit. NO WORK, NO CREDIT, NO EXCEPTIONS.
- Bring your Cougar Card or other form of picture ID to exams for ID verification. Appropriate forms of ID include Cougar Card, driver's license, passport, or government ID. See the instructor for approval of other forms of picture ID. Electronic IDs or paper copies of IDs will not be accepted.

Quizzes

There will be approximately 7 quizzes throughout the semester. The highest 6 quiz scores will count towards your final grade. Each quiz is worth 25 points. A missed quiz is a zero. If you miss a quiz due to circumstances that were beyond your control, you may request a make-up quiz. The make-up quiz will probably be different than the original quiz. In general, no calculators, notes or other resources are allowed during quizzes. The course schedule provides some information about quiz dates and coverage. More specific info about each quiz might be given during lecture.

MyMathLab (MML) online homework

There will be 15 online assignments, each worth 10 points. These assignments are due by 11:59pm on the due date (which will generally be a Monday). All online assignments can be worked on through the day after our final exam. Any problems that are worked on late will receive half-credit. The best 12 online homework scores will count towards your final grade.

Show Your Work (SYW) written homework

There will be 14 or 15 SYW written homework assignments (posted at the course web page), each worth 10 points and due by 4:00 pm on the due date. You can submit the assignment before or immediately after lecture or to Remaley's mailbox (located in Neill hall, next to room 103). The best 12 SYW scores will count towards your final grade. Each SYW assignment may be turned in up to two days late, in which case a 2 point penalty (out of 10) will be enforced.



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Class Participation

During lecture (at unannounced times), you will occasionally be given about 5 minutes to do some specified work and submit your writings on an otherwise clean piece of paper. If I feel you've made an honest effort, I'll give you full credit. If I feel you've made a half-hearted effort, you'll get half credit. If I feel you've made no effort, I'll give no credit. At the end of the semester, your overall percentage on these questions will determine how much of the 10 participation points you get for the course (e.g. 50% would get you 5/10, 82% would get you 8.2/10).

Returned work

Please **keep all** graded assignments, quizzes, and other work that is returned to you. These will help you keep accurate records of your grades. It might be a good idea to get a folder in which to keep and organize your returned graded work.

Class Conduct

In the name of civility, please refrain from unnecessary talking and use of electronic devices during lecture. You should not need your laptop or cell phone during lecture. Please silence your cell phones and other electronic devices before class begins. Please try not to come to class late or leave class early. I have the right, on behalf of your tuition-paying classmates, to ask you to leave if I feel that your behavior is negatively affecting their experience in my class.

Incomplete Grades

University policy states that an incomplete grade (I) may be awarded if the student is unable to complete their work on time due to circumstances beyond their control. An Incomplete is given only with Math Department approval, and is generally granted only when MOST of the course has been completed. Furthermore, an Incomplete may **not** be finished by re-enrolling in the course the following semester. When an Incomplete is granted, it is up to the student to do the work to complete the course and coordinate with the instructor. Also, a grade of Incomplete could affect financial aid eligibility.

What to do if you miss class...

- Check the course web page for announcements and review the schedule to see what you missed.
- Review the class notes and read the text book for comprehension.
- If you missed a quiz day and you think you deserve a make-up, email Remaley about it.
- If SYW is due, then make arrangements to submit the assignment as soon as possible. If it is late, let Remaley know why.

Study Suggestions

- Put in the time: WSU reg's say you should put in at least 9 study hours per week for this course.
- Come to Remaley's office hours. If you can't make scheduled office hours, you may make an appointment by email. Please include your availability in your email.
- Attend the TA's office hours in the MLC (Cleveland 130). See [course web page](#) for TA office hrs & info.
- Hire a tutor (a list of tutors for hire can be found in the Math Depart. Office, Neill 103)



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- Read & use your book. Each section includes explanations & examples to help guide you.
 - There are matched problems to each example with the answer at the end of the exercise section for additional practice. Use these for self-practice before working through assignments.
 - Practice algebra skills! In our textbook, there is a Diagnostic Prerequisite Test (at the beginning of the book), and Appendix A is a Basic Algebra Review (at the back of the book).
 - For further exam review, utilize the chapter reviews at the end of each chapter.
- Seek help from a free tutor in the **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). These are good places 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. Always bring your WSU Cougar Card with you.
- Explore the MyMathLab study plan that has been customized to your abilities.

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 (Washington Building room 217 or 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> or email an advisor at Access.Center@wsu.edu.

Classroom Safety Statement

Classroom and campus safety are of paramount importance at Washington State University, and are the shared responsibility of the entire campus population. WSU urges students to follow the “Alert, Assess, Act,” protocol for all types of emergencies and the “[Run, Hide, Fight](#)” response for an active shooter incident. Remain ALERT (through direct observation or emergency notification), ASSESS your specific situation, and ACT in the most appropriate way to assure your own safety (and the safety of others if you are able). Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBI's [Run, Hide, Flight Video](#) and visit the [WSU safety portal](#).

WSU Academic Integrity

Academic integrity is the cornerstone of higher education. As such, all members of the university community share responsibility for maintaining and promoting the principles of integrity in all activities, including academic integrity and honest scholarship. Academic integrity will be strongly enforced in this course. Students who violate WSU's Academic Integrity Policy (identified in Washington Administrative Code (WAC) 504-26-010(3) and -404) will fail the assignment or the course, will not have the option to withdraw from the courses pending an appeal, and will be reported to the Office of Student Conduct. Cheating includes, but is not limited to, plagiarism and unauthorized collaboration as defined in the Standards of Conduct for Students, WAC 504-26-010(3). You need to read and understand all of the definitions of cheating: <http://app.leg.wa.gov/WAC/default.aspx?cite=504-26-010>. If you have any questions about what is and is not allowed in this course, you should ask course instructors before proceeding. If you wish to appeal a faculty member's decision relating to academic integrity, please use the form available at conduct.wsu.edu.



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Student Learning Outcomes

- Quantitative Reasoning goals addressed:**

Goals	Means of Assessment
Explain information presented in mathematical forms.	Homework, Quiz, Exam
Convert relevant information into various mathematical forms.	Homework, Quiz, Exam
Understand & apply quantitative principles & methods in the solution of problems.	Homework, Quiz, Exam
Make judgments & draw appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis.	Homework, Quiz, Exam
Identify & evaluate important assumptions in estimation, modeling, & data analysis.	Homework, Quiz, Exam
Express quantitative evidence in support of the argument or purpose of work (in terms of what evidence is used & how it is formatted, presented, & contextualized).	Homework, Quiz, Exam

- Critical and Creative Thinking goals addressed:**

Goals	Means of Assessment
Define, analyze, & solve problems.	Homework, Quiz, Exam
Assess the accuracy & validity of findings & conclusions	Homework, Quiz, Exam
Combine & synthesize existing ideas/images/expertise in original ways.	Homework, Quiz, Exam
Think, react, & work in an imaginative way characterized by a high degree of innovation, divergent thinking, & risk taking.	Homework, Quiz, Exam

- Information Literacy goals addressed:**

Goals	Means of Assessment
Determine the extent and type of information needed.	Homework, Quiz, Exam
Use information to accomplish a specific purpose.	Homework, Quiz, Exam
Access & use information ethically and legally.	All class assignments should be completed ethically and legally.

- Integrative Learning goals addressed:**

Goals	Means of Assessment
Show a depth of knowledge within the chosen academic field of study based on integration of its history, core methods, techniques, vocabulary, & unsolved problems.	Homework, Quiz, Exam
Apply the concepts of the general & specialized studies to personal, academic, service learning, professional, and/or community activities.	Homework
Understand how the methods & concepts of the chosen discipline relate to those of other disciplines by possessing the ability to engage in cross-disciplinary activities.	Homework, Exams