

Calculus With Review I: MATH 106

PPHAC 330, MWF 2:35 - 3:45 PM

Spring 2016

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Office Hours:

TUESDAY 2:00 - 4:00 PM; WEDNESDAY 1:30 - 2:30 PM; FRIDAY 9:00 - 10:00 AM; AND BY APPOINTMENT

Texts: *Calculus: Single Variable, Third Edition*, by Jon Rogawski and Colin Adams.

A Companion to Calculus, Second Edition, by Ebersole, Schattschneider, Sevilla and Somers.

Other materials: This syllabus as well as any other handouts for the course can be found in our class Google Drive folder “Calculus with Review I”. In addition, all students are expected to have a basic scientific calculator, and calculators on electronic devices *are not permitted* on quizzes and exams. An iPad pdf annotator such as “Goodnotes” or “Notability” is highly recommended. Dr. Kevin Hartshorn has put together a short list of useful iPad apps on his course site, which you can find [here](#). Homework for Rogawski and Adams will be completed using the computer homework system WeBWorK, and you can find an introduction at http://is.gd/moco_ww.

Course Goals:

This course is Part I of a two-semester course in Calculus. In this course, we will review mathematical concepts needed to successfully study calculus. You will also be learning the mathematical language of change. In particular you will learn the concepts of limits and continuity of functions, the concept of a derivative, differentiation methods and the concepts behind them, and how to work with functions graphically, algebraically, numerically, and verbally. You will also learn how to apply these methods to real world problems and how to discuss and present solutions to mathematical problems in written and oral form.

Where to get help:

- Come to my office
- [Peer Tutoring](#)
- [Greyhound Tutoring](#)
- Work with each other

Grading System:

Homework

For each section of material, there will be homework assigned. Some problems will be collected approximately once per week, but some problems are just for practice. Material from the Rogawski and Adams text will have additional practice problems available via WeBWorK. Late homework will not be accepted. It is vital that you do all of the homework problems assigned; you should keep all of your work in a notebook or binder for reference. For every hour in class, you should expect to spend 2-3 hours doing work outside of

class. You cannot learn math without lots of practice!

When faced with difficulty in mathematics, it helps to work through problems with a colleague. I welcome and encourage you to work with friends, tutors and myself in working through completing homework assignments. HOWEVER, when writing your homework solution to be turned in, you must work on your own. The final response you write on your homework should be yours and yours alone. I recommend that while you may complete the scratch work for all of your homework with a classmate, ***you should write the final copy of your homework when you are alone.*** Ultimately, YOU are responsible for understanding how to find a solution to each assigned problem.

Quizzes

Approximately every week, we will have an in class quiz that will be based on the homework. Therefore, the best way to do well on the quizzes is to do all of the assigned homework. There will be no make up quizzes given. Due to this, the lowest quiz score will be dropped at the end of the semester. Extenuating circumstances will be taken into consideration (with appropriate documentation). If you know in advance that you will miss a quiz (with an approved excuse¹), you may discuss with me the possibility of taking the quiz prior to the scheduled time.

Exams

We will have three in class exams and a final exam. If you will miss an exam (with an approved excuse¹), you must notify me PRIOR TO the exam. You will then be given a suitable (corresponding to the time beyond the exam date) but more difficult exam. Extenuating circumstances will be taken into account (with appropriate documentation).

Your final exam is **Tuesday, May 3, 11:30 AM - 1:30 PM** and will be comprehensive.

Attendance

Regular class attendance is expected of all students. You are responsible for all material assigned or covered in class. If you do miss a class for any reason, it is your responsibility to keep up with the class. You should see a classmate for notes, homework assignments, and any announcements from class. Late homework will not be accepted and there will be no make-up quizzes given. Extenuating circumstances will be considered.

Your final grade is based on the following distribution:

Quizzes	17%
Homework	15%
Exam I:	17%
Exam II:	17%
Exam III:	17%
Final Exam:	17%

Course grades will be determined by the following scale:

93-100 : A	80-82 : B-	67-69 : D+
90-92 : A-	77-79 : C+	63-66 : D
87-89 : B+	73-76 : C	60-62 : D-
83-86 : B	70-72 : C-	<60 : F

The exam schedule will be as follows, although slight changes may be made:

¹An approved excuse is one that is either approved by the professor prior to missing class or one where a medical excuse can be provided

Exam I: Wednesday, February 10
Exam II: Wednesday, March 16
Exam III: Friday, April 15
Final Exam: Tuesday, May 3, 11:30 AM - 1:30 PM

Course Policies:

Final Exam: Your final exam is on **Tuesday, May 3, 11:30 AM - 1:30 PM**. A make-up final exam will not be administered to accommodate any travel plans.

Participation in class discussions: Class participation enhances your learning experience. Students who attend class regularly, participate in discussions, and are in between grades at the end of the semester may receive the higher of the two grades.

Other Expectations of Student Performance/Behavior:

Please turn off your cell phone at the beginning of class. Be considerate of your classmates and keep private discussions during class to a minimum. Please check your email for any announcements regarding this class. If you wish to email me, please use your Moravian email accounts only as I frequently delete spam.

This syllabus is subject to change. Any changes will be announced in class.

Mathematics Department Academic Honesty Policy: The Mathematics Department supports and is governed by the Academic Honesty Policy of Moravian College as stated in the Moravian College Student Handbook. The following statements will help clarify the policies of the Mathematics Department faculty.

Learning Disability Accommodations and Tutoring: Beginning the second week of class, the Mathematics and Computer Science Department offers tutoring Monday through Thursday 5:30-8:30pm in PPHAC 238. This is free drop-in tutoring and does not require an appointment.

The Academic Support Center houses Disability Support and Greyhound Tutoring on the first floor of Monocacy Hall and can be reached at 610-861-1401. Greyhound Tutoring provides course-specific tutors to Moravian students, free of charge. If you would like to work with a Greyhound Tutor to boost your academic success, please request a tutor through <http://bit.ly/NeedTutorMC> (case-sensitive). Plan ahead! It takes 2-3 business days to connect you with a tutor.

Students who wish to request accommodations in this class for a disability should contact the Academic Support Center, at the lower level of Monocacy Hall, or by calling 610-861-1401. Accommodations cannot be provided until authorization is received from the Academic Support Center.

The Writing Center is located in a building that is not accessible to persons with mobility impairments. If you need the services of the Writing Center please call 610-861-1392.