MONTGOMERY COLLEGE
Department of Mathematics
Rockville Campus

GENERAL COURSE INFORMATION

Title: Calculus 2 –   – MATH 182
Semester: Spring 2019
Course Duration:
Class Time/Days:

INSTRUCTOR INFORMATION

Name: Dr. Jason Lee
Office: Science Center 354H
Office Phone: 240.567.4975
Email/Google Hangouts: jason.lee@montgomerycollege.edu
Office hours:

COURSE DESCRIPTION

A continuation of Calculus 1 (MATH 181). This class intended primarily for students of the physical sciences, engineering, and mathematics. Further differentiation and integration of transcendental functions. Methods of integration with applications, indeterminate forms, improper integrals, Taylor's formula; infinite series; polar coordinates. **(Note that for computation of tuition, this course is equivalent to five semester hours.)**

PREREQUISITE

A grade of C or better is required in Calculus 1, MATH 181. Additionally, students need mathematical maturity, a strong work ethic and a deep understanding of algebra, analytic geometry, and trigonometry.

TEXTBOOK / WEBASSIGN

J. Stewart, ***Calculus, Concepts and Contexts, 4th Edition***, Brooks/Cole-Cengage Publishing Co., 2010. There is a ***student solution manual*** to accompany the book at The Math/Science Center (on the bottom floor of Macklin Tower. ***Supplementary Resources for Book:*** http://www.stewartcalculus.com/media/9_home.php

All online homework will be done on WebAssign. To log in, go to http://webassign.net – I will provide you a login and password on the first day of class. You will need to purchase a login code for use on WebAssign.

SECTIONS COVERED

The course will cover sections 5.5, 5.6, 5.7, Appendix G, 5.8, 4.5, 5.10, 5.9, 6.1-6.7, 8.1-8.8, 7.1-7.5, Appendix H of the textbook, along with a few optional topics. That is the approximate order that we'll cover the sections.

COURSE OUTCOMES

http://catalog.montgomerycollege.edu/preview_course.php?catoid=8&coid=10019

CALCULATORS

The ***TI-83, TI-83 plus, or TI-84 plus*** is recommended. Other calculators may be adequate, but the student cannot expect help from the instructor on the use of these calculators. (No symbol manipulation calculators, such as the TI-89 or TI-92, will be permitted on exams or quizzes.) Students just buying a calculator for this course should buy a TI-84 plus, TI-83, or TI-83 plus. You'll need to bring pencil and paper to class.

COMMUNICATION

The **official** means of communication will be through your **Montgomery College email**. We will also use **Blackboard** and **Google Hangouts**. Please **check your email, Blackboard, and Google Hangouts account daily** for course announcements. If you send me an email, it must be from your Montgomery College email address.

QUIZZES / EXAMS

There will be **four exams** in addition to a **cumulative final exam**. On most non-exam days, there will be a quiz. Quizzes are given promptly at the beginning of class. On most quizzes and exams, you may use a calculator and a 3 inch by 5 inch index card of notes handwritten by you.

COURSE FORMAT

Course lectures are available on YouTube (http://youtube.com/hellomathfans), which you will be expected to view prior to coming to class. **The primary method of content delivery will be these videos.** In-class time will be spent working on homework in groups. **This is not an online class – you are expected to come to class every day.** Watching the videos is not optional. Our time in class will be primarily spent working on problems in groups. You will be asked to go to the board to work out problems. I will not spend much time at the board myself lecturing.

GRADING WEIGHTS

Video Notes		5%
Written Homework		5%
WebAssign Homework		10%
Exams	(4)	40%
Quizzes	(best 25)	20%
Final Exam		20%
Total		**100%**

GRADING POLICY

Weighted Average	**Grade**
90 to 100	A
80 to 89.9	B
70 to 79.9	C
60 to 69.9	D
Below 60	F

SPECIAL NOTE ON GRADING

20% of your grade is based on non exam work – video notes and homework. Regardless of your total, you must earn at least 90% on non exam work to be eligible for an A, 80% for a B, 70% for a C.

HOMEWORK

A crucial component of learning mathematics is doing problems. We will be spending a lot of time in class working on problems on WebAssign. You'll certainly be spending time outside of class finishing homework assignments – you should not expect to work on homework in class. Most graded homework is on WebAssign, and some will be written work that you'll do on paper and turn in.

Blackboard

Unless otherwise stated, everything you turn in on Blackboard must be a PDF file. Notes must be submitted as a single PDF file.

ATTENDANCE

You are expected to be on time every class period, and to work throughout the class until the scheduled end of the class. Arriving to class late or leaving early will be considered a half absence (for the purposes of the following makeup policy).

MAKE-UP POLICY

It is expected that students take all quizzes/exams when scheduled. Once a quiz/exam has been given, its

contents are assumed to be public knowledge. ***There are NO make-ups for quizzes/exams***. ***Neither quizzes nor exams will be administered late.*** <mark>If you have missed fewer than 3 classes, your lowest exam score will be replaced by your final exam score if your final exam score is higher.</mark> ***No exam scores are dropped.*** Your 25 highest quiz scores count – the remaining are dropped. No homework assignments are dropped. There are limited opportunities for making up homework assignments.

COMPUTER/CELL PHONE POLICY
CELL PHONES ARE NOT TO BE SEEN/USED IN CLASS, and must be left at the front of the room for the duration of the class. A student who has a cell phone visible during an exam or a quiz will get a zero on the exam or quiz. You will lose points from your grade every time that you are using a cell phone or have one out. If you must make a phone call or send/receive a text message, please step outside of the room. You may use a computer or a tablet in class, but only for approved purposes related to class.

ATTENDANCE POLICY
Students that miss a total of four or more classes may be dropped. It is each student's responsibility to make sure that they have been counted present on the attendance sheet. Being absent includes coming late, leaving early, or being gone during class. Also, it is your responsibility to find out what you missed. DO NOT email or call me to find out what you missed!

SCHEDULING QUIZZES AND EXAMS
The dates of all quizzes and exams will be posted to Blackboard, usually with a minimum of one week's notice. You are responsible for knowing all dates of quizzes and exams.

FINAL EXAM
Our Final Exam will be on Wednesday, 8 May, 2018, 800a-1000a. The Final Exam is comprehensive.

IMPORTANT DATES
Last day to drop with a full refund: 29 January 2019.
Last day to drop with no grade, or change audit/credit: 12 February 2019.
Last day to withdraw: 16 April 2019. Students registered after this date will receive a letter grade (A,B,C,D,F).

IMPORTANT REMARKS
- For any assignment, all work must be shown. If the work is incorrect or missing, no credit will be given.
- Students are responsible for signing in on the attendance sheet.
- Any communication between students during an exam or quiz is will be interpreted as cheating and the students will receive a zero on the exam or quiz.
- **The instructor reserves the right to make changes in the syllabus, scheduling of topics, quizzes & exams.**

ACKERMAN LEARNING CENTER
This is where students can get ***tutoring*** and other resources: Rockville Campus, Science West First Floor, 240-567-5200. **Hours** are available on their website: http://www.montgomerycollege.edu/Departments/mathscrv/

MISC. SYLLABUS TERMS
Additional terms of the syllabus can be found at http://cms.montgomerycollege.edu/mcsyllabus/