

# Survey of Calculus 2

Jason Nowell

Summer C, 2017

## Contents

<b>1</b>	<b>Course Description</b>	<b>1</b>
1.1	Prerequisites . . . . .	1
1.2	Course Goals . . . . .	1
1.3	Course Materials and Online Resources . . . . .	1
1.4	TA and Instructor Office Hours . . . . .	1
<b>2</b>	<b>Course Assignments</b>	<b>2</b>
2.1	Homework . . . . .	2
2.2	Quizzes . . . . .	2
2.3	Exams . . . . .	2
<b>3</b>	<b>Grades</b>	<b>2</b>
3.1	Point Totals . . . . .	2
3.2	Exam Scaling . . . . .	2
3.3	Letter Grade Breakdown . . . . .	3
3.4	Attendance Policy . . . . .	3
3.5	Incomplete Policy . . . . .	3
<b>4</b>	<b>Online Course Evaluation</b>	<b>3</b>
<b>5</b>	<b>Advising and Help</b>	<b>3</b>
<b>6</b>	<b>Honor Code</b>	<b>4</b>
<b>7</b>	<b>Students with Disabilities</b>	<b>4</b>

## 1 Course Description

Sequences, geometric and Taylor series; systems of linear equations, Gaussian elimination, matrices, determinants and vectors; partial differentiation, multiple integrals; applications to marginal analysis, least-squares and Lagrange multipliers.

### 1.1 Prerequisites

Minimum grade of C in MAC2233. Students should have a solid working knowledge of the concepts of first semester calculus, including the definition of the derivative, calculations of derivatives of elementary functions, applications of the derivative, exponential and logarithmic functions. A thorough grasp of algebra is assumed.

## 1.2 Course Goals

By the end of this course, students will understand concepts of integral calculus, applications of differential equations, the calculus of functions of several variables, systems of linear equations, and linear programming problems with a focus on applications in business, accounting, and finance.

## 1.3 Course Materials and Online Resources

Students will learn material via online lectures. These come in two varieties:

- Presentations of the material using prepared slides
- Examples worked by hand by the instructor, captured on video.

Students are expected to read the corresponding sections in the text, work practice and homework problems, and successfully complete associated quizzes. Exams will be given online and monitored by ProctorU.

## 1.4 TA and Instructor Office Hours

### Teaching Assistant Information

**Name:** Cristina Korb

**Email:** CeKorb@ufl.edu

**Office Hours:** Monday 2:00-3:00, Tuesday 10:00-12:00

Your TA should be your primary contact for questions regarding any of the mathematics or grading in the course. These would include questions on how to correctly do problems on WebAssign or Canvas, issues with Canvas or WebAssign problems that you think may be incorrect or ambiguous, and questions regarding grades earned on exams, homework, and quizzes.

### Instructor Information

**Name:** Jason Nowell

**Email:** JNowell@ufl.edu

**Office Hours:** Thursday 11:00-1:00

Both the TA and instructor will have office hours regularly online via the "Conferences" tab in Canvas.

The instructor should be contacted regarding policies or any administrative problems. These would include needing to drop the course, medical withdrawals, needing makeup exams, and any questions of a personal nature that impact your performance in the course.

## 2 Course Assignments

### 2.1 Homework

The WebAssign homework assignments are worth 4 points each. There are 13 of them, but homework only counts for 40 points in your total grade.

### 2.2 Quizzes

During each week you will take several short lecture quizzes and one weekly quiz. Lecture quizzes are worth 2 points each; the lowest 10 scores will be dropped. Weekly quizzes are worth 6 points each; the lowest three scores are dropped. Quizzes are due by 11:59 pm on Friday nights each week; consult the course calendar for each assignment date.

## 2.3 Exams

There are three exams worth 80 points each and a final exam worth 120 points. The exams will be given in WebAssign or directly in Canvas, exact instructions will be given well in advance. Students must have a working web camera so that ProctorU may verify secure testing conditions and monitor each exam. The dates of the exams are:

Exam 1: Tuesday, June 6

Exam 2: Tuesday, July 4

Exam 3: Tuesday, July 26

Final Exam: Friday, August 4.

## 3 Grades

### 3.1 Point Totals

Graded Item	Point Value
Online Homework (WebAssign)	40
Weekly Quizzes (drop lowest three)	60
Lecture Quizzes (drop lowest ten)	40
Exams (x3)	240
Final Exam	120
Total Points	500

### 3.2 Exam Scaling

IF IT HELPS, you may substitute your final exam score for the lowest exam score (rescaled appropriately, of course, to compensate for the disparity in point values). To determine if this would help multiply your final exam score by  $\frac{2}{3}$  and see if it is larger than your lowest exam score. If it is, that number will replace your lowest exam score. This will happen automatically and requires no request or input on your part.

### 3.3 Letter Grade Breakdown

Letter Grade	Point Range
A	Above 450
A-	435 - 449
B+	420 - 434
B	400 - 419
B-	385 - 399
C+	370 - 384
C	350 - 369
C-	335 - 349
D+	320 - 334
D	300 - 319
D-	285 - 299
E	Below 285

Make-up exams are given only for extreme unforeseen circumstances. In case of illness, documentation will be required. For technological problems, see the Advising and Help section below.

### 3.4 Attendance Policy

Students are expected to keep up with the schedule of lectures, homework, and quizzes provided on the course calendar. Should a student need to withdraw from the course, the last day to do so is April 7, 2017. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

### 3.5 Incomplete Policy

A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found at <http://www.math.ufl.edu>. If you meet the criteria you must see the class coordinator before the beginning of finals week to be considered for an I. A grade of I only allows you to make up your incomplete work. You cannot redo any previously completed work.

## 4 Online Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

## 5 Advising and Help

For all concerns with Survey of Calculus 2, your TA is your first resource. Office hours will be posted and are regular times when they are available to answer questions, discuss grades, advise students on future classes, or help students in any available way. You do **not** need an appointment to visit during office hours. If you need to meet outside of office hours, please contact your TA for an appointment.

As stated above, the course instructor also has office hours and an advising hour. Office hours are to discuss questions, and advising hour is to resolve administrative needs and for general guidance such as discussing grades, signing up for make-up exams, etc.

In addition, there are several other free resources available to you:

- The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring. You may want to attend different hours to find the tutors with whom you feel most comfortable. Also the Little 215 Tutoring Center provides free tutoring for courses up to Calculus 1. Go to <http://www.teachingcenter.ufl.edu> to find their hours. You can also request free one-on-one tutoring.
- Textbooks and solution manuals are located at the reserve desks at Marston Science Library.
- The Counseling Center has some information on developing math confidence. Go to <http://www.counseling.ufl.edu/cwc/Developing-Math-Confidence.aspx> for information on math confidence and joining the Academic Confidence Group.
- A list of qualified tutors for hire is available at <http://www.math.ufl.edu>.

## 6 Honor Code

All students are required to abide by the Academic Honesty Guidelines which have been accepted by the University. The academic community of students and faculty at the University of Florida strives to develop, sustain and protect an environment of honesty, trust and respect. Students are expected to pursue knowledge with integrity.

Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XIV of the Student Code of Conduct. The conduct set forth hereinafter constitutes

a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017). You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link [www.dso.ufl.edu/sccr/](http://www.dso.ufl.edu/sccr/).

## 7 Students with Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/). The DOS will provide documentation to the student who must then provide this documentation to the course instructor, Jason Nowell in LIT475, when requesting accommodation. Any accommodations for exams must be submitted no later than two weeks **before** the first exam. If a student does not supply the appropriate documentation in a timely fashion, the instructor may not be able to accommodate the student in a timely manner.