

MATH 009C - Summer 2018 - Syllabus

First Year Calculus III

Instructor: Josh Buli

E-mail: jbuli001@ucr.edu

TA: Gabby Tsai

Email: gabtsai@math.ucr.edu

Website: www.math.ucr.edu/~buli/MATH009C_U18/MATH009C_U18.html

Class Time: Section D01 - Sproul 2340 - MTWR - 8:10 AM - 9:00 AM

Discussion Time: Section D21 - INTS 1130 - T - 12:10 - 1:30 PM

Textbook: APEX Calculus, Version 3.0, <http://www.apexcalculus.com/>

References: Calculus, any edition, by James Stewart, but I will loosely follow this textbook for the lectures

Prerequisites: MATH 009B or 009BH or equivalent, with a grade of “C-” or better. You must have the ability to perform basic operations of single variable differential and integral calculus. It is imperative that you have a good grasp of these prerequisites in order to be successful in the course.

Course Description

From the catalog: Further topics from integral calculus, improper integrals, infinite series, Taylor’s series, and Taylor’s theorem.

Specifics: The first 3 weeks of the course will cover topics from Chapter 9 in APEX, *Curves in the Plane* which roughly covers parametric equations and polar coordinates, as well as calculus with polar functions and parametric equations. The remaining portion of the course will cover Chapter 8 in APEX in its entirety. Chapter 8 covers sequences and infinite series, including power series and Taylor series, which will be helpful if you plan on taking differential equations.

Attendance: Attending every class and discussion section is very important. Missing classes can severely affect your grade. If you decide that you wish to drop the class, it is your responsibility to make the drop official and to file the appropriate forms.

Homework: Homework for the entire course is included on the schedule of topics on the following pages. You are responsible for knowing how to do all the problems that are assigned. The graded homework will be through WebWork, which can be accessed at: <http://webwork.ucr.edu/webwork2>. If you want more practice, you can do the problems for the corresponding sections in APEX and/or Stewart. It is a good idea to do *more* problems than what is assigned if you are having trouble with a certain type of question. Doing a lot of problems that require a different approach will help broaden your skill set. It is for your benefit to do the problems in preparation for exams and quizzes.

Worksheets: There will be 7 worksheets over the course of the term. All worksheets will be closed book, closed notes, and no calculators. You will be allowed to work in groups for the worksheets, and you will be able to ask the TA questions on the problems. You **MUST** complete the worksheet on the scheduled day, or you will receive a grade of “0” for the worksheet.

Exams: There will be (1) midterm and (1) final exam during the term. You must show **ALL** work on the test questions. Answers without any work will receive no credit. As summer is a 7 week term, exams will be non-cumulative. All exams will be closed book, closed notes, and no calculators.

The midterm will be 5 questions. You will be able to choose any 4 that you wish to be graded, and if you choose to do the 5th problem, it will be counted as extra credit. The final exam will be 9 questions. You will be able to choose any 8 that you wish to be graded, and if you choose to do the 9th problem, it will be counted as extra credit. **THERE WILL BE NO MAKE-UP EXAMS FOR ANY REASON.** Students who miss an exam due to medical issues, emergencies, etc., with proper documentation will be accommodated. All students **MUST** take the final. **All students are required to take the final exam.** **Any student who does not take the final exam will receive an overall course grade of an “F”.**

Grading

The percentage for the quizzes, midterm, and final will be as follows:

Item	Percentage
Homework	20 %
Worksheets	20 %
Midterm	20 %
Final	40 %

Regrades for exams: If a student has a grade dispute on any assignment or exam, and wishes to have a regrade, the student must approach the instructor/TA by the end of the class period the exam is returned. Once the student leaves the classroom, there will be **NO** regrading of any assignments or exams.

Important Dates

Worksheets: See Schedule

Midterm: 7/12/2018

Final: 8/11/2018

Add Deadline on GROWL: 7/03/2018 (w/ Enrollment Form: 7/6/2018)

Drop w/o 'W' Deadline: 7/03/2018

Drop w/ 'W' Deadline (No Fee): 7/06/2018 (w/Fee: 7/17/2018)

From the above chart, the total percentage grade will be calculated. The overall course grade distribution for the course will be *no higher than* the following (Note: The instructor reserves the right to lower the cutoffs on this table):

A	B	C	D	F
[90, ∞)	[80,90)	[70,80)	[60,70)	[0, 60)

Additional Policies:

Course Concerns: Students are expected to attend each class meeting, arriving punctually, and remaining the entire time. Students are responsible for getting class notes, schedule changes, and other announcements from their classmates on the days they miss class. **THERE WILL BE NO EXTENSIONS OR MAKE-UPS FOR EXAMS UNDER ANY CIRCUMSTANCES.** If medical or other documented situations arise, alternate arrangements will be made. Students must bring any grading concerns to the attention of the instructor on the same day an exam is returned. Students **SHOULD NOT** be using cell phones in class. If a student needs to use the phone, please do so outside the classroom, as to not disrupt other students.

Academic Dishonesty: There will be no tolerance for academic dishonesty infractions. Cheating is not allowed and may result in severe sanctions up to and including expulsion from the University (cf UCR Catalog). Cheating includes, but is not limited to, using others work as your own, allowing others to use your work, and using outside material on homeworks or exam. The instructor reserves the right to discipline any student for academic dishonesty, in accordance with the general rules and regulations of the university. Disciplinary action may include the lowering of grades and/or the issuance of a failing grade for an exam or an assignment.

MATH 009C Schedule (Tentative) and Homework Practice Problems

Section	Date	Homework	Quiz Information
Review	6/25	See Webwork	
9.2	6/26	See Webwork	W1 ; Review/9.2
9.3	6/27	See Webwork	
9.3	6/28	See Webwork	
9.3	7/02	See Webwork	
9.4	7/03	See Webwork	W2 ; 9.2/9.3 HOLIDAY
.	7/04	HOLIDAY	
9.4	7/05	See Webwork	
9.5	7/09	See Webwork	
9.5	7/10	See Webwork	W3 ; 9.4/9.5
Review	7/11	Midterm Review	§9.2-9.5
Midterm 1	7/12	Midterm	§9.2-9.5
8.1	7/16	See Webwork	W4 ; §8.1
8.1	7/17	See Webwork	
8.2	7/18	See Webwork	
8.2	7/19	See Webwork	
8.3	7/23	See Webwork	W5 ; §8.2/8.3
8.4	7/24	See Webwork	
8.4	7/25	See Webwork	
8.5	7/26	See Webwork	
8.5	7/30	See Webwork	W6 ; §8.4/8.5
8.6	7/31	See Webwork	
8.6	8/01	See Webwork	
8.7	8/02	See Webwork	
8.7	8/06	See Webwork	W7 ; §8.6/8.7
8.8	8/07	See Webwork	
8.8	8/08	See Webwork	
Review	8/09	Final Review	§8.1-8.8
FINAL	8/11	FINAL: 8:00 AM - 10:00 AM; SPROUL 2340	§8.1-8.8

MATH 009C Worksheet Content

Quiz Number	Date	Quiz Information
W1	6/26	Review, §9.2
W2	7/03	§9.2, 9.3
W3	7/10	§9.4, 9.5
W4	7/17	§8.1
W5	7/24	§8.2, 8.3
W6	7/31	§8.4, 8.5
W7	8/07	§8.6, 8.7