MATH 65B, Summer 2016 - Syllabus

Calculus II

Instructor: Josh Buli
E-mail: jbuli001@ucr.edu , joshua.buli@chaffey.edu
Website: www.math.ucr.edu/~buli
Class Time: Section 88570 - MTWR - 10:00 AM - 12:15 PM
Room: Chaffey College, MATH - 114
Textbook: Thomas' Calculus, 13th edition, by Weir and Hass
References: APEX Calculus, Version 3.0, http://www.apexcalculus.com/, Calculus, any edition, by James Stewart

Prerequisites: Math 65A or the equivalent. You must have the ability to perform basic operations of single variable differential 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: Applications of the definite integral including area, volume, arc length, surfaces of revolution, and more. Specifics: We will cover material from chapters 6-8, 10, 11 in *Thomas' Calculus*. Some topics include: volume methods, arc length, areas, work, integration methods, infinite sequences and series, parametric equations, polar coordinates.

Attendance: Attending every class period 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**. However, any absence in the first week may be interpreted as a lack of interest in continuing and result in an administrative withdrawal to make room for those wishing to add.

Student Learning Outcomes:

- Apply techniques of integration to evaluate definite and indefinite integrals.
- Solve applications using integration: area, volume, work, and arc length.
- Analyze infinite series for convergence, derive Taylor series and polynomials of analytic functions.

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. 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. Homework will not be collected, it is for your benefit to do the problems in preparation for exams and quizzes.

Quizzes: There will be 12 quizzes over the course of the term. Each question will be graded 0 or 1. The question must be **completely correct** to receive the 1 point per problem. After the quiz is graded, students have 1 week from the day the quiz is returned to make corrections and submit for regrading. Students can resubmit unlimited times over the one week period. All points can be recovered if the corrected solutions are completely correct and have justification of the answer. You **MUST** take the quiz on the scheduled day, or you will receive a grade of "0" for the quiz.

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

Each 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
Quizzes	25 %
Midterm	35 %
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 by the end of the class period the exam is returned. Once the student leaves the classroom, there will be **NO** regrading of any assignements or exams.

Important Dates

Quizzes: See Schedule

Midterm: 6/30/2016

Final: 7/27/2016

Add Deadline: 6/10/2016

Drop w/o 'W' Deadline: 6/13/2016

Drop w/ 'W' Deadline: 7/07/2016

From the above chart, the total percentage grade will be calculated. The overall course grade distribution for the course will be the following (Note: The cutoffs above are the highest that will be used. The instructor reserves the right to change this table):

A	B	C	D	F
$[90, \infty)$	$[80,90)$	$[70,80)$	$[60,70)$	$[0, 60)$

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 College (cf Student handbook). 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 college. Disciplinary action may include the lowering of grades and/or the issuance of a failing grade for an exam or an assignment.

Disability Programs and Services: If you have a disability documented by a physician or other appropriate professional and wish to discuss academic accommodations, please contact the DPS office as soon as possible. Please be sure to allow adequate time to arrange an appropriate accommodation. DPS serves students with physical, learning, and psychological/psychiatric disabilities by providing accommodations based on the type of disability and verifying documentation. Services include academic counseling, disability related counseling and referral for community resources, test accommodations, tram services, adapted computer lab, assistive technology training, assessment, and equipment loan. For more information please contact the DPS general phone line at (909) 652-6379.

Other Services: Other services provided by Chaffey College include the Success Center, EOPS and CARE, Student Health Services, Honors Program, Veterans' Resource Center, Career Center, and Transfer Center. If you wish to know more about these programs, please visit their corresponding websites for more information.

MATH 65B Schedule (Tentative) and Homework Practice Problems

Section	Date	Homework	Quiz Information
Chapter 5	6/6	11-66	
6.1	6/7	15, 17, 23, 31, 37, 45, 47	**Q1**
6.2	6/8	1-4, 11, 15, 25, 35, 36	
6.3	6/9	1-7, 9, 13-17 (part a only)	**Q2**
6.4	6/13	13-17	
6.5	6/14	1-9 (odd)	**Q3, Q1 DUE**
7.5	6/15	7-66 (even or odd)	
7.6	6/16	21, 27, 31-34, 43-46, 67-70, 81-84, 91-94, 103, 104	**Q4, Q2 DUE**
7.7	6/20	1-9, 13-18, 41-46	
8.2	6/21, 6/22	1-24, 31-36	**Q5, Q3 DUE (6/21)**
8.3	6/22, 6/23	1-32, 33-50 (odd)	
8.4	6/23, 6/24	1-48 (even or odd)	**Q6, Q4 DUE (6/23)**
8.5	6/27	9-32 (odd)	
8.7	**	[1]	
8.8	6/28	1-64 (even or odd)	**Q7, Q5 DUE**
Review	6/29	**Midterm Review**	§6.1-6.5,7.5-7.7,8.2-8.8
Midterm 1	6/30	**Midterm 1**	**Q6 DUE**
XX.X	7/04	**HOLIDAY**	**NO CLASS**
10.1	7/05	27-81 (even or odd) even	
10.2	7/05, 7/06	1-17, 27-37, 41-68 (even or odd in each set)	**Q8, Q7 DUE (7/06)**
10.3	7/06	11-38 (even or odd)	
10.4	7/07	1-16, 17-43 (even or odd in each set)	
10.5	7/11	1-16, 17-44 (even or odd in each set)	
10.6	7/12	1-41 (even or odd in each set)	**Q9**
10.7	7/13	1-25	**Q8 DUE**
10.8	7/14	11-28 (even or odd)	**Q10**
10.9	7/18	1-9, 11-20, 29,	
10.10	7/18, 7/19	1-5, 29, 53, 68	
11.1	7/19, 7/20	1-15 (even or odd)	**Q11, Q9 DUE (7/19)**
11.2	7/20	1-13, 15-20, 25-29 (even or odd in each set)	
11.3	7/21	1-26, 27-40 (even or odd in each set)	
11.4	7/21	1-20 (even or odd)	**Q12, Q10 DUE**
11.5	7/25	1-21 (even or odd), 29	
Review	7/26	**Final Review**	§10.1-10.10, 11.1-11.5
FINAL	7/27	**FINAL: 10:00 AM - 12:15 PM**	**Q11 and Q12 DUE**

MATH 65B Quiz Content

Quiz Number	Date	Quiz Information
Q1	6/7	Chapter 5 Practice Exercises - Review
Q2	6/9	§6.1, 6.2
Q3	6/14	§6.3, 6.4
Q4	6/16	§6.5, 7.5
Q5	6/21	§7.6, 7.7
Q6	6/23	§8.2, 8.3
Q7	6/28	§8.4, 8.5
Q8	7/06	§8.8, 10.1
Q9	7/12	§10.2, 10.3, 10.4
Q10	7/14	§10.5, 10.6, 10.7
Q11	7/19	§10.8, 10.9, 10.10
Q12	7/21	§11.1, 11.2

---

[1]time permitting

VERIFICATION OF SYLLABUS RECEIPT AND DISCUSSION

I verify that I have received and reviewed the course syllabus for MATH 65B - Calculus II. Furthermore, the instructor, Josh Buli, has provided opportunities for questions and discussion regarding the syllabus in class. I feel that I have an understanding of the syllabus and content and the class requirements and policies (tentative schedule, homework assignments, grading scale, letter grade definitions, course policies and structure, etc.). By signing this verification, I the student hereby accept all terms to the above course syllabus.

Student Name: _____

Student Signature: _____

Alias/Codename for Grades: _____

Date: _____