

Math 2414.405
MW 11:00 – 12:50, ET 124
Calculus II
Fall 2012

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Welcome to Calculus II! This sheet will tell you about the course, including subject matter, homework, quizzes, exams and term grade. Almost all of your questions about the course can be answered by reading this handout. If anything is unclear, please do not hesitate to ask for clarification. ***Good Luck!!!***

Subject Matter

Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals. The teaching process will emphasize concepts, problem solving and critical thinking.

Learning Outcomes

Upon successful completion of this course, students will:

1. Use the concepts of definite integrals to solve problems involving area, volume, work, and other physical applications.
2. Use substitution, integration by parts, trigonometric substitution, partial fractions, and tables of anti-derivatives to evaluate definite and indefinite integrals.
3. Define an improper integral.
4. Apply the concepts of limits, convergence, and divergence to evaluate some classes of improper integrals.
5. Determine convergence or divergence of sequences and series.
6. Use Taylor and MacLaurin series to represent functions.
7. Use Taylor or MacLaurin series to integrate functions not integrable by conventional methods.
8. Use the concept of polar coordinates to find areas, lengths of curves, and representations of conic sections.

Required Materials

Textbook: Calculus with Analytic Geometry by Larson, Hostetler and Edwards, 9th Edition, Boston: Houghton Mifflin Co, 2010.

Supplies: Pencil, Paper, Scientific Calculator (**NO** graphing calculators allowed!!!)

Term Grade

Your term grade will be determined according to the following distribution:

	Quizzes	Exams 1-4	Final Exam
Percentage	15	60% total or 20% each	25
Drops	2	1	0

Percentage (%)	Grade
90-100	A
80-89.9	B
70-79.9	C
60-69.9	D
Below 60	F

Quizzes will be given weekly on Wednesdays and will consist of previously assigned homework problems. As indicated above, your two (2) lowest quiz grades will be dropped before computing your term grade. ***There are no make-ups for missed quizzes.*** There are 4 midterm exams scheduled. The final will be comprehensive, and it cannot be dropped. The final is scheduled for Wednesday, December 12th from 11:00 – 1:30. Any student who does not take the final exam will receive an F for the course.

Homework

Homework will be assigned at the end of each class. Although homework will not be collected or graded, it is in your best interest to complete the assignments, as each of these problems is fair game for quiz questions. If you do your homework, you will have seen the quiz problems in advance.

Attendance

Although attendance is not factored into your term grade, attendance will be taken at the beginning of each class period.

Conduct

All students will be expected to abide by the Odessa College Code of Classroom Etiquette. I have provided a copy for you. If you fail to abide by these rules, you will be asked to leave the classroom or be removed completely from the class. A further list of class rules can be found on the class website. This is titled the Understanding Sheet. Your signature on this page will be your first quiz grade in the class, so you will need to go to our website at <http://www.odessa.edu/dept/math/kcohlmia> and print out this page.

Cheating

Cheating is not tolerated in this class. The first time you are caught cheating, you will receive a 0 for that assignment. The second time you are caught cheating, you will be removed from the class permanently and receive an F for the course. If you are caught allowing someone to cheat from your work, the same punishment applies as that of the cheater.

Tutoring

Tutoring is available through Developmental Studies and online through Smarthinking.

Special Needs

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Learning Resource Center (The Library)

The Library, known as the Learning Resources Center, provides research assistance via the LRC's catalog (print books, videos, e-books) and databases (journal and magazine articles). Research guides covering specific subject areas, tutorials, and the "Ask a Librarian" service provide additional help.

Student Email

Please access your Odessa College Student E-mail, by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. All assignments or correspondence will be submitted using your Odessa College email.

Technical Support

For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies

For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the Odessa College Student Handbook.

Student Retention

The Odessa College Student Success Coaches will help you stay focused and on track to complete your educational goals. If an instructor sees that you might need additional help or success coaching, he or she may submit a Retention Alert or a Starfish Alert. A Student Success Coach will contact you to work toward a solution.

Expectations for Engagement – Face to Face Learning

To help make the learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the learning environment. Students and instructors are welcome to exceed these requirements.

Reasonable Expectations of Engagement for Instructors

1. As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will
 - provided my contact information at the beginning of the syllabus;
 - respond to all messages in a timely manner through telephone, email, or next classroom contact; and,
 - notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or for my supervisor) in case of emergencies during the time I'm unavailable.
2. As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will
 - provide clear information about grading policies and assignment requirements in the course syllabus, and
 - communicate any changes to assignments and/or to the course calendar to students as quickly as possible.
3. As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will
 - return classroom activities and homework within one week of the due date and
 - provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

Reasonable Expectations of Engagement for Students

1. As a student, I understand that I am responsible for keeping up with the course. To help with this, I will
 - attend the course regularly and line up alternative transportation in case my primary means of transportation is unavailable;
 - recognize that the college provides free wi-fi, computer labs, and library resources during regular campus hours to help me with completing my assignments; and,
 - understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my personal computer equipment or internet service is unreliable.
2. As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to,
 - missing class when a major test is planned or a major assignment is due;
 - having trouble submitting assignments;
 - dealing with a traumatic personal event; and,
 - having my work or childcare schedule changed so that my classroom attendance is affected.
3. As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will
 - seek out help from my instructor and/or from tutors;
 - ask questions if I don't understand; and,
 - attend class regularly to keep up with assignments and announcements.

Calculus II Fall 2012

Week	Day	Date	Section
1	M	27-Aug	7.1
	W	29-Aug	7.2
2	M	3-Sep	Labor Day
	W	5-Sep	7.3 7.4
3	M	10-Sep	7.4 7.5
	W	12-Sep	Review 8.1
4	M	17-Sep	Test1
	W	19-Sep	8.2
5	M	24-Sep	8.3
	W	26-Sep	8.4
6	M	1-Oct	8.5
	W	3-Oct	8.6
7	M	8-Oct	8.7
	W	10-Oct	8.8
8	M	15-Oct	Review 9.1
	W	17-Oct	Test2
9	M	22-Oct	9.2
	W	24-Oct	9.3
10	M	29-Oct	9.4
	W	31-Oct	9.5
11	M	5-Nov	9.6
	W	7-Nov	9.7

Week	Day	Date	Section
12	M	12-Nov	9.8 Review
	W	14-Nov	Test3
13	M	19-Nov	10.2 10.3
	W	21-Nov	Thanksgiving
14	M	26-Nov	10.4
	W	28-Nov	10.5
15	M	3-Dec	10.6 Review
	W	5-Dec	Test4 Review
16	Final	Wednesday 12/12	11:00 - 1:30