

CALCULUS II
MATH 2414 SECTION 405
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Welcome to Calculus II!

Course offered: MW 11:00 a.m. – 12:50 p.m. in ET 123 August 22 through December 7, 2011
Class will not be held on Labor Day Monday, September 5.

Prerequisites: It is expected that you have passed Calculus I with a C or better and that you have a good working knowledge of both College Algebra and Trigonometry. If you have any questions of what is required of you, please contact me as soon as possible.

Course Description: Extends topics of Math 2413 to include more advanced techniques of integration, indeterminate forms, and improper integrals. Also includes application of these processes to solutions of a wider range of problems including volumes of solids, work, moments of mass, sequences and infinite series, plane curves, parametric equations, polar coordinates, and polar equations of conics. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. The student should be able to probe for mathematical meaning and, perhaps, describe these meanings to others. (SCANS 3,8,9,11)

Learning Outcomes: After completing this course, the student should be able to demonstrate competency in:

- 1.0 Applications of the definite integral
- 2.0 Techniques of integration
- 3.0 Infinite series
- 4.0 Conics, Parametric Equations, and Polar Coordinates

Text: *Calculus, 9th Edition*, Larson and Edwards
Material Covered: Chapters 7-10.

Attendance: Attendance is not mandatory. However, you are responsible for work assigned on a day you may have been absent. The homework and test dates will be posted on my website.

Exams: There will be a total of four exams and a comprehensive final. Of the four exams, I will drop the lowest score (not the final) before averaging your grade. The final will be given on Wednesday, December 7 at 11:00 a.m.

Homework: Homework will be assigned each class period and expected to be completed by the next class. The homework will not be collected, but a quiz will be given each class period consisting of one or more of the homework problems. You cannot use your homework to help you take the quiz, but if you have done all your homework, you should be able to do well on the quiz. I will drop your two lowest quiz grades prior to calculating your quiz average.

Math Lab: Hours in math lab are not required in this course. However, if you are having difficulty with an assignment, this is a good place to find help. It is located in ET 120 and is

open from 8:30 a.m. to 8:30 p.m. Monday through Thursday, 8:30 a.m. to 1:00 p.m. Friday and 1:00 p.m. to 5:00 p.m. Sunday. On Sundays the tutors will be located in the LRC not ET 120.

Final Grade: Your final grade will be calculated by averaging your three highest test scores, your final and your quiz grade weighted equally.

Course grade: I will assign a grade according to the following schedule:

Average	Grade
90 – 100	A
80 – 89	B
70 – 79	C
60 - 69	D
0 - 59	F

Dropping the Course: If for any reason you decide that you cannot complete the course, please visit with me to see if I can help the situation. If not, YOU must go to the registrar and officially drop the course to receive a “W” grade. The last day to drop is Wednesday, November 9.

Office Hours: My office is ET 117. My office hours are 2:00 – 5:00 p.m. Monday and Wednesday and 2:30 – 3:30 p.m. Tuesday and Thursday.

Words of Advice: Math requires constant vigilance. Once you fall behind, it is very hard to catch up especially during the summer term. Try your hardest to attend every class and do all the homework assignments on time. If you are having difficulty with a certain type of problem, do more examples offered in the book. Seek help as soon as you are having problems either through the math lab or from your instructor. Good luck

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

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.