

**Syllabus for MATH 2850: Elementary Multivariable Calculus
Spring 2013**

Lecture time and place: Sec. 003: MW 7:30 pm-9:10 pm, UH 4010.

Instructor: Dr. Dibyajyoti Deb (I go by Deb).

Instructor Office: UH 2030C

Instructor Email: dibyajyoti.deb@utoledo.edu, ddebtoledo@gmail.com

Course Webpage: <http://www.math.utoledo.edu/~ddeb2> (Click on Teaching).

Phone: (419)-530-2789.

Office Hours: MRF - 2:00 pm-3:00pm.
T - 2:00 pm-4:00pm.

Prerequisites: Passing grade in MATH 1860 or MATH 1840. Students who enroll in MATH 2850 but have not passed either prerequisite may be administratively dropped from the class.

Required materials: Simple scientific calculators as well as Graphing non-programmable calculators are allowed in this course.

Text: *Thomas' Calculus: Early Transcendentals*. Weir and Hass, Addison-Wesley, 12e.

Attendance: Attendance is essential for success in the course. You are expected to be present in every lecture. Random attendance will be taken in lecture.

Resources: Mathematics tutoring is provided by the Mathematics Learning and Resource Center (<http://www.utoledo.edu/utlc/lec/>) that is located in the basement of the Carlson Library - phone ext. 2176. It operates on a walk-in basis. MLRC also provides tutoring on some residence halls. Tutoring Hours: M/R 9am-8pm, T/W 9am-9pm, F 9am-2pm.

Homework Assignment and Quizzes: Starting from the third week there will be Homeworks due every alternate week and starting from the second week there will be a Quiz every alternate week at the end of lecture. The dates are given at the end of this syllabus. There will be a total of 7 quizzes and 7 homeworks. The best 5 quizzes and homeworks each will count towards the final grade. Homework problems will be posted on the course webpage and on Blackboard.

Grading: Course grades will be determined using

- Homework - 20%.
- Quiz - 15%.
- Exam 1, Exam 2 - 15% each.

- Final exam - 35%.

and the following scale: $A+ = 93 - 100$, $A = 90 - 92$, $B+ = 87 - 89$, $B = 83 - 86$, $B- = 80 - 82$ etc.

Missed Classes: If circumstances occur in accordance with The University of Toledo Missed Class Policy (found at http://www.utoledo.edu/facsenate/missed_class_policy.html) result in a student missing a quiz, test, exam or other graded item, the student must contact the instructor in advance by phone, e-mail or in person, provide official documentation to back up his or her absence, and arrange to make up the missed item as soon as possible.

Drop/Withdrawal: The last day to drop or add this course is the Friday of the second week of classes (Jan. 18, 2013). The last day to withdraw from this class with a grade of W is the Friday of the tenth week of classes (Mar. 15, 2013).

Academic Dishonesty: Any act of academic dishonesty as defined by the University of Toledo policy on academic dishonesty (found at <http://www.utoledo.edu/dl/students/dishonesty.html>) will result in an F in the course or an F on the item in question, subject to the determination of the instructor.

Non-Discrimination Policy: The University of Toledo is committed to a policy of equal opportunity in education, affirms the values and goals of diversity.

Students with Disabilities: The University will make reasonable academic accommodations for students with documented disabilities. Students should contact the Office of Accessibility (Rocket Hall 1820; 419.530.4981; officeofaccessibility@utoledo.edu) as soon as possible for more information and/or to initiate the process for accessing academic accommodations. For the full policy see: <http://www.utoledo.edu/utlc/accessibility/faculty.html>

Tentative Lecture Schedule: Section numbers are within parentheses.

Week 1 - 1/7(Chapter 12 review), 1/9(13.1, 13.2)
Week 2 - 1/14(13.2, 13.3), 1/16(14.1, 14.2)
Week 3 - 1/21(Holiday), 1/23(14.3)
Week 4 - 1/28(14.4), 1/30(14.5)
Week 5 - 2/4(14.6), 2/6(14.7)
Week 6 - 2/11(14.8), 2/13(Review)
Week 7 - 2/18(**Exam 1**), 2/20(15.1)
Week 8 - 2/25(15.2), 2/27(15.4)
Week 9 - 3/4(**Spring Break**), 3/6(**Spring Break**)
Week 10 - 3/11(15.5), 3/13(15.6)
Week 11 - 3/18(15.7), 3/20(16.1)
Week 12 - 3/25(16.2), 3/27(16.4)
Week 13 - 4/1(Review), 4/3(**Exam 2**)
Week 14 - 4/8(16.5), 4/10(16.6)
Week 15 - 4/15(16.7), 4/17(16.8)

Week 16 - 4/22(Review), 4/24(Review)

Week 17 - **Final Exam, May 1, 7:30 pm-9:30 pm.**

Various Policies:

- Except in cases of documented emergencies, there will be **no makeups** of exams and quizzes.
- The Final Exam will be cumulative and will cover everything that has been taught in the course (unless otherwise announced).

Important Dates:

No classes on January 21, March 4, 6, 2013.

Jan. 18, 2013 - Last day to add, drop.

Mar. 15, 2013 - Last day to withdraw.

Jan. 16, 2013 - Quiz 1 (13.1-13.3).

Jan. 23, 2013 - HW 1 due (13.1-13.3, 14.1, 14.2)

Jan. 30, 2013 - Quiz 2 (14.1-14.4).

Feb. 6, 2013 - HW 2 due (14.3-14.6).

Feb. 13, 2013 - Quiz 3 (14.5-14.8).

Feb. 18, 2013 - Exam 1 (13.1-13.3, 14.1-14.8).

Feb. 20, 2013 - HW 3 due (14.7-14.8).

Feb. 27, 2013 - Quiz 4 (15.1-15.2).

Mar. 13, 2013 - HW 4 due (15.1-15.2, 15.4-15.5).

Mar. 20, 2013 - Quiz 5 (15.5-15.7).

Mar. 27, 2013 - HW 5 due (15.6-15.7, 16.1-16.2).

Apr. 3, 2013 - Exam 2 (15.1-15.2, 15.4-15.7, 16.1-16.2, 16.4).

Apr. 10, 2013 - Quiz 6 (16.1-16.2, 16.4-16.5).

Apr. 17, 2013 - HW 6 due (16.4-16.6).

Apr. 22, 2013 - Quiz 7 (16.6-16.8).

Apr. 24, 2013 - HW 7 due (16.7-16.8).

Final Exam - May 1, 7:30 pm-9:30 pm.