

**Syllabus for MATH 2850: Elementary Multivariable Calculus
Fall 2012**

Lecture Time and Place: Sec. 007: MTRF - 1:00pm-1:50pm, UH 4010.

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

Office: UH 2030C

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

Phone: (419)-530-2789.

Office Hours: MF - 11:00am-1:00pm.

T - 12:00pm-1:00pm.

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

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: Scientific calculators are allowed in this course. However, Graphing calculators are NOT allowed in the course except TI-83.

Text: *Thomas' Calculus*. George Thomas, Maurice Weir & Joel 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 during lectures which will count towards a portion of the grade.

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 second week there will be Homeworks due every alternate week and starting from the third week there will be a Quiz every alternate week at the end of lecture. The dates are given below. There will be a total of 7 quizzes and 8 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 - 15%.
- Exam 2 - 15%.
- Final exam - 35%.

and the following tentative 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 (Aug. 31, 2012). The last day to withdraw from this class with a grade of W is the Friday of the tenth week of classes (Oct. 26, 2012).

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 Class Schedule

Week 1(8/20-8/24) - Sec 13.1, 13.2, 13.3
 Week 2(8/27-8/31) - 14.1, 14.2, 14.3
 Week 3(9/3-9/7) - Sec 14.4, 14.5
 Week 4(9/10-9/14) - Sec 14.6, 14.7
 Week 5(9/17-9/21) - Sec 14.8, 15.1
 Week 6(9/24-9/28) - Sec 15.2, 15.4

Week 7(10/1-10/5) - Fall Break, Review, EXAM 1
Week 8(10/8-10/12) - 15.5, 15.6
Week 9(10/15-10/19) - 15.7, 16.1
Week 10(10/22-10/26) - 16.2
Week 11(10/29-11/2) - 16.4
Week 12(11/5-11/9) - 16.5
Week 13(11/12-11/16) - Veteran's Day, Review, EXAM 2
Week 14(11/19-11/23) - 16.6, Thanksgiving
Week 15(11/26-11/30) - 16.7
Week 16(12/3-12/7) - 16.8, Review
Week 17 - FINAL EXAM (See Below)

Various Policies:

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

Important Dates:

No classes on Sept. 3, Oct. 1-2, Nov. 21-23, 2012.
EXAM 1 - Oct. 5, 2012.
EXAM 2 - Nov. 16, 2012.
FINAL EXAM - Dec. 12, 2012, Wednesday, 12:30pm - 2:30pm.
Aug. 31, 2012 - Last day to add.
Oct. 26, 2012 - Last day to withdraw with a W.

Aug. 30, 2012 - HW 1 due (13.1-13.3).
Sept. 6, 2012 - Quiz 1 (13.1-13.3, 14.1-14.3).
Sept. 13, 2012 - HW 2 due (14.1-14.5).
Sept. 20, 2012 - Quiz 2 (14.4-14.7).
Sept. 27, 2012 - HW 3 due (14.6-14.8, 15.1).
Oct. 5, 2012 - EXAM 1 (13.1-13.3, 14.1-14.8, 15.1, 15.2, 15.4).
Oct. 11, 2012 - HW 4 due (15.2, 15.4), Quiz 3 (14.8, 15.1, 15.2, 15.4).
Oct. 18, 2012 - HW 5 (15.5, 15.6).
Oct. 25, 2012 - Quiz 4 (15.5-15.7, 16.1).
Nov. 1, 2012 - HW 6 due (15.7, 16.1-16.2).
Nov. 8, 2012 - Quiz 5 (16.2, 16.4).
Nov. 16, 2012 - EXAM 2 (15.5-15.7, 16.1, 16.2, 16.4, 16.5).
Nov. 29, 2012 - HW 7 due (16.4, 16.5, 16.6), Quiz 6 (16.5, 16.6).
Dec. 6, 2012 - HW 8 due (16.7), Quiz 7 (16.7).
FINAL EXAM - Dec. 12, 2012, Wednesday, 12:30pm - 2:30pm.