Calculus III, Section 002
MATH-2953-002 (3 credit hours)
Fall Semester, 2012

Class Room and Class Times: Room 3250 of the Campus Recreation Center
Monday, Wednesday, and Friday at 9:05-10:00 a.m.
except for September 3 (Labor Day)
November 12 (Veteran's Day)
and November 23 (Thanksgiving Holiday)

From Monday, August 27 through Friday, December 7, 2012
and the Final Examination on Monday, December 10 at 8:00-10:00 a.m. in Room 3250

Teacher: Roger Chalkley
Office: Room 4504, French Hall West
Office Hours: 11:15 a.m. - 12:30 p.m. on Monday, Wednesday, Friday
Phone: (513) 556-4074

Textbook: *Calculus – Early Transcendentals*, seventh edition, 2012,
by James Stewart, Brooks/Cole, Belmont, CA

List of Subject Matter: See the next page for sections and problems from Chapters 11 through 13.

Testing and Grading Policy: There will be three 55-minute examinations as well as a number of quizzes and a 2-hour final examination. Each 55-minute exam will be graded on a basis of 100 points and count as 1/6 of your final grade; collectively, the quizzes will count as 1/6 of your grade; and the final examination will count as 1/3 of your grade.

Examination 1 - Friday, September 21, 9:05-10:00 a.m.
Examination 2 - Friday, October 19, 9:05-10:00 a.m.
Examination 3 - Friday, November 16, 9:05-10:00 a.m.

Final Exam: **Monday, December 10 at 8:00-10:00 a.m. in Room 3250**

   Partial credit on tests is awarded only for work that is mostly correct except for one on two minor errors. You will not be given partial credit for attempting to solve a problem by an incorrect method. You must show your work on the tests. A correct answer without the accompanying correct work will receive no credit; an incorrect final answer accompanied by mostly correct work will receive substantial credit. Also, it is the responsibility of each student to arrange the work in a logical manner and to write legibly. Remember, when your paper is graded, the grade is based on the work shown, not what was intended or implied.

Grade of W: Friday- November 2 is the last day to withdraw from the class and receive a grade of W.

The Mathematics Learning Center is located in French Hall West, Room 2133. It is a free, walk-in, mathematics tutoring center for all University of Cincinnati students. The tutoring hours are: Monday - Thursday 9am -8pm; Friday 9am-4pm; Saturday Noon - 4pm.
Students can get help at the Mathematics Learning Center for all basic mathematics courses through Differential Equations.
http://www.artsci.uc.edu/collegedepts/math/learning_center/

Calculus III (MATH-2953-002)

Section	Homework Problems (that begin at indicated page)
11.1 Sequences	p. 700: odd 1-17, odd 23-51.
11.2 Series	p. 711: 5, 7, odd 15-63.
11.3 Integral Test, etc.	p. 720: odd 3-33.
11.4 Comparison Tests	p. 726: odd 3-31, 37.
11.5 Alternating Series	p. 731: odd 3-19, 23.
11.6 Absolute Convergence etc.	p. 737: odd 3-37.
11.7 Strategy	p. 740: odd 1-37.
11.8 Power Series	p. 745: odd 3-29.
11.9 Representations	p. 751: odd 3-19, 25.
11.10 Taylor and etc.	p. 765: 5, 13, 15, 25, 27, 49, 55, 57, 63, 65, 67, 69.

Skip Section 11.11.

Section	Homework Problems
12.1 Coordinate Systems	p. 790: 3, 5, 7, 13, 15, 17, 21, 27, 33, 37, 41.
12.2 Vectors	p. 798: 3, 5, odd 13-29.
12.3 The Dot Product	p. 806: odd 1-19, 23, 27, 29, 31, 33, 39, 41, 61, 63.
12.4 The Cross Product	p. 814: 3, 7, 9, 11, 13, 16, 17, 19, 31, 33, 35, 37.
12.5 Equations of Lines etc.	p. 824: odd 3-37.
12.6 Cylinders and etc.	p. 832: 3, 5, 7, 21-28.
13.1 Vector Functions etc.	p. 845: odd 1-13.
13.2 Derivatives and etc.	p. 852: odd 3-25 and odd 35-41.
13.3 Arc Length etc.	p. 860: 1, 2, 3, 4, 5, 6, 17, 19.
13.4 Motion in Space	p. 870: 3, 5, 7, 9, 11, 13, 15, 19, 21, 22.