Calculus 2, Section 004

MATH-1062-004 (4 credit hours)
Fall Semester, 2013

Class Room and Class Times: Room 801 of the Old Chemistry Building
Monday, Tuesday, Wednesday, and Friday at 11:15 a.m. - 12:10 p.m.
except Monday, September 2 (Labor Day), October 7 and 8 (Reading Days),
November 11 (Veteran's Day), and November 29 (a Thanksgiving Holiday)

From Monday, August 26 through Friday, December 6, 2013
and the uniform Final Examination sometime during examination week of December 9-13.

Teacher: Roger Chalkley
Office: Room 4504, French Hall West
Office Hours: 9:15 -10:30 a.m. on Monday, Tuesday, and Friday (or by appointment)

Access to the internet service WebAssign at http://WebAssign.net/ is needed for the homework problems and your access key is uc 0494 6959 for our section of this course.

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 assigned problems. In general, the homework must be submitted by 11:59 p.m. of the Sunday following the day in which the corresponding section was covered in class. (That will also apply in the event that the schedule needs to be adjusted.)

Testing and Grading Policy: There will be three 90-minute uniform examinations for all of the various sections of Calculus 2 as well as a uniform 2-hour final examination for all of the various sections of Calculus 2. Our Section 004 will also have 3 quizzes, and graded homework. Each 90-minute exam will be graded on a basis of 100 points and count as 1/6 of your final grade. The final examination will graded on a basis of 100 points and count as 2/6 of your final grade. Each quiz will be graded on a basis of 25 points and count as 1/24 of your final grade. The overall homework grade will be based on 25 points accumulated from WebAssign Problems and count as 1/24 of your final grade.

Examination 1 - at 5:00-6:30 p.m. on Thursday, September 19 (large room to be announced)
Examination 2 - at 5:00-6:30 p.m. on Thursday, October 17, (large room to be announced)
Examination 3 - at 5:00-6:30 p.m. on Tuesday, November 19, (large room to be announced)
Final Exam: during exam week of Dec. 9-13 at a time and place to be announced

Quiz 1, Friday, September 6, (in Room 801 Old Chemistry)
Quiz 2, Friday, October 4, (in Room 801 Old Chemistry)
Quiz 3, Friday, November 1, (in Room 801 Old Chemistry)

Grade of W: November 1 (a Friday) 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 may be found at
http://www.artsci.uc.edu/departments/math/learning_center.html
Other help is also available.

Each day that your teacher meets with you at 11:15 a.m. – 12:10 p.m. in 801 Old Chemistry, he will also have a class afterwards at 12:20-1:15 p.m. over in Room 125 of the building at 60 WestCharlton. For that reason, he will be compelled to abruptly leave 801 Old Chemistry at 12:10 p.m. to begin the hike over to 60 WestCharlton. In particular, lingering conversations will be avoided at those times.

Week	Days	Sections	WebAssign Homework
1	Aug. 26-30	Review integrals, substitution rule, 7.1 Integration by Parts 7.2 Trigonometric Integrals (start)	Section 7.1 (part 1) Section 7.1 (part 2)
2	Sept. 2-6 Labor Day, Sept. 2	7.2 Trigonometric Integrals (finish) 7.3 Trigonometric Substitutions, **Quiz 1**	Section 7.2 (part 1) Section 7.2 (part 2)
3	Sept. 9-13, Sept. 9 is the last day to drop the class	7.4 Rational Functions (1.5 days) 7.5 Strategy for Integration (.5 days) 8.1 Arc Length	Section 7.3 Sections 7.4, 7.5
4	Sept. 16-20	8.2 Area of a Surface of Revolution Review for Test 1 **Test 1, Thursday Sept. 19** 8.3 Applications to Engineering and Physics	Section 8.1 Section 8.2
5	Sept. 23-27	11.1 Sequences 11.2 Series	Section 11.1 Section 11.2 (part 1)
6	Sept. 30-Oct. 5	7.8 Improper Integrals 11.3 Integral Test and Estimating Sums 11.4 Comparison Tests (start), **Quiz 2**	Section 11.2 (part 2) Section 7.8 (part 1) Section 7.8 (part 2)
7	Oct. 7-11	11.4 Comparison Tests (finish) 11.5 Alternating Series	Section 11.3 Section 11.4
8	Oct. 14-18	11.6 Ratio and Root Tests 11.7 Strategy for Testing Series Review for Test 2 **Test 2, Thursday Oct. 17** 11.8 Power Series (start)	Section 11.5 Sections 11.6, 11.7
9	Oct. 21-25	11.8 Power Series (finish) 11.9 Functions as Power Series	Section 11.8 Section 11.9 (part 1)
10	Oct. 28-Nov. 1 Nov. 1 is the last day to withdraw from class	11.10 Taylor and MacLaurin Series 11.11 Applications of Taylor Polynomials **Quiz 3**	Section 11.9 (part 2) Section 11.10 (part 1) Section 11.10 (part 2)
11	Nov. 4-8	10.1 Parametric Curves 10.2 Calculus of Parametric Curves 10.3 Polar Coordinates	Section 11.11 Section 10.1 Section 10.2
12	Nov. 11-15 Veterans Day, Nov. 11	10.4 Area and Arc Length in Polar Coordinates 12.1 3-Dimensional Coordinate Systems (.5 day) 12.2 Vectors	Section 10.3 Section 10.4
13	Nov. 18-22	Review for Test 3 **Test 3, Tuesday Nov. 19** 12.3 Dot Product 12.4 Crossed Product (start)	Section 12.1 Section 12.2
14	Nov. 25-29 Thanksgiving, 28-29	12.4 Crossed Product (finish) 12.5 Equations for Lines and Planes (start)	Section 12.3 Section 12.4
15	Dec. 2-6	12.5 Equations for Lines and Planes (finish) Review for final	Section 12.5 (part 1) Section 12.5 (part 2)
	Date and Time TBA	**FINAL EXAMINATION** **Location TBA**	