

Calculus III

MATH 301 Fall 2017 M Tu Th 9:30 – 10:45am NS 212 E

Instructor: Dr. Grzegorz Kubicki, Department of Mathematics, Natural Sciences 227,
Telephone: 852-6196, e-mail: gkubicki@louisville.edu

Office Hours: Tu Th 1:00 – 1:50; other times by appointment.

Textbook: James Stewart, Calculus: Early Transcendentals , 8th Edition.

Prerequisites: The sequence Math 205, Math 206.

Material Covered: Chapters 12 – 16 of the text. See reverse for detailed schedule.

Grading: grades for this course will be based upon total points earned from quizzes, web assign homework, four tests, and the final examination.

Best four out of five quizzes	100	(25 points each quiz)
WebAssign homeworks	100	
Tests	400	(100 points each test)
Final Examination	200	

Out of the total 800 points you will need:

780 points for A+,	720 points for A,	710 points for A-,
700 points for B+,	640 points for B,	630 points for B-,
620 points for C+,	560 points for C,	550 points for C-,
540 points for D+,	480 points for D,	470 points for D-.

You are required to take the exams when they are scheduled. There will be **no make-up** tests or quizzes.

Homework: This course uses WebAssign as its homework platform, the textbook (if purchased through the bookstore) includes an access code for WebAssign. Alternatively, you may purchase an access code online that includes unlimited use of the ebook. All due dates for homework will be announced in class and posted on Blackboard.

Homework will be worth a total of 100 points. Your homework score will be equal to $((\text{the percentage of your correct answers})/90\%) \times 100$.

Calculators: You might use a scientific calculator equivalent to a TI-35 during quizzes and tests. Programmable and graphic calculators are legal computing tools in this course. However, you will be graded on method, not numerical answer. A right answer by a wrong method, or without any reason, is worth no credit. An example:

Question: Use the differential df to approximate $(15.84)^{0.25}$ where $f(x) = x^{0.25}$.

Unacceptable solution: My calculator tells me $(15.84)^{0.25} = 1.99498114$.

This course satisfies the General Education Requirements in quantitative and logical reasoning of the College of Arts and Sciences.

On the last two pages you will find reading assignments and schedule with all exams' dates listed. The list of practice homework problems is included at the end. These practice problems are just for practice; they are not collected.

Some changes might occur during the semester and they will be announced in class.

Other important dates:

September 4 (Monday)	Labor Day	NO CLASS
October 9-10 (M & Tu)	Mid-term break	NO CLASSES
October 23 (Monday)	Last day to withdraw	

Title IX/Clery Act Notification

Sexual misconduct (including sexual harassment, sexual assault, and any other nonconsensual behavior of a sexual nature) and sex discrimination violate University policies. Students experiencing such behavior may obtain **confidential** support from the PEACC Program (852-2663), Counseling Center (852-6585), and Campus Health Services (852-6479). To report sexual misconduct or sex discrimination, contact the Dean of Students (852-5787) or University of Louisville Police (852-6111).

Disclosure to **University faculty or instructors** of sexual misconduct, domestic violence, dating violence, or sex discrimination occurring on campus, in a University-sponsored program, or involving a campus visitor or University student or employee (whether current or former) is **not confidential** under Title IX. Faculty and instructors must forward such reports, including names and circumstances, to the University's Title IX officer.

For more information, see the Sexual Misconduct Resource Guide (<http://louisville.edu/hr/employeerelations/sexual-misconduct-brochure>).

MATH 301 Reading Assignments and Schedule

<u>Date</u>	<u>Material</u>
8/21 (M)	12.1
8/22 (Tu)	12.2
8/24 (Th)	12.3
8/28 (M)	12.4
8/29 (Tu)	12.5
8/30 (Th)	12.6
9/05 (Tu)	13.1, 13.2
9/07 (Th)	13.2, 13.3
9/11 (M)	13.3, 13.4
9/12 (Tu)	13.4, Review
9/14 (Th)	Test 1
9/18 (M)	14.1
9/19 (Tu)	14.2
9/21 (Th)	14.3
9/25 (M)	14.4
9/26 (Tu)	14.5, 14.6
9/28 (Th)	14.6
10/02 (M)	14.7
10/03 (Tu)	14.8
10/05 (Th)	Review
10/12 (Th)	Test 2
10/16 (M)	15.1, 15.2
10/17 (Tu)	15.2, 15.3
10/19 (Th)	15.4, 15.5
10/23 (M)	15.5, 15.6
10/24 (Tu)	15.7
10/26 (Th)	15.8
10/30 (M)	15.9
10/31 (Tu)	Review
11/02 (Th)	Test 3
11/06 (M)	15.10
11/07 (Tu)	16.1, 16.2
11/09 (Th)	16.2
11/13 (M)	16.3
11/14 (Tu)	16.4
11/16 (Th)	16.5
11/20 (M)	Review
11/21 (Tu)	Test 4
11/27 (M)	16.6, 16.7
11/28 (Tu)	16.7
11/30 (Th)	16.8, 16.9
12/04 (M)	Review

December 11 (Monday) FINAL EXAMINATION 8:00 – 10:30 am

The instructor reserves the right to make changes in the syllabus when necessary to meet learning objectives, to compensate for missed classes, or for similar reasons.

Math 301

Dr. Grzegorz Kubicki

Practice homework problems:

Section	Problems
12.1	3,5,7,11,15,17,23,27,31,35,41
12.2	3,7,9,13,17,19,21,25,27,31,37,39,51
12.3	3,5,7,9,13,15,17,21,27,29,33,37,39,43,49,51,53
12.4	3,7,9,11,15,19,27,29,31,33,39
12.5	1,3,5,7,17,19,23,25,27,31,35,43,45,53,63,65,69,71,73
12.6	1,3,5,9,15,21-28,35,37
13.1	1,5,7,11,15,21-26,27,31,43
13.2	3,7,9,11,15,17,19,21,25,35,37,41
13.3	1,3,9,11,15,19,21,23,27,31
13.4	3,5,7,11,15,19,23,25,31,37,41
14.1	7,9,13,15,19,23,25,31,41,43,61-66
14.2	1,5,7,9,11,15,19,25,31,37
14.3	11,15,17,19,21,29,35,39,47,49,53,57,59,63,65
14.4	1,3,5,11,13,15,19,25,27,29,31,35
14.5	1,3,5,7,11,17,21,25,27,39
14.6	3,5,7,9,13,17,21,25,33,41,43,45
14.7	5,9,11,15,17,31,33,37,43,47,51
14.8	3,7,9,11,19,23,45
15.1	1,5,9,11,13,15,17,21,23,25,27,29,35,37,47
15.2	3,7,9,11,13,15,19,23,25,27,35,39,45,47,49,51,53,61
15.3	1-4,7,9,11,19,21,25,29,31
15.4	3,7,9,11,13
15.5	3,5,7,9,11,23
15.6	3,5,9,11,13,15,17,19,21,27,31
15.7	3,5,9,11,13,15,17,21,23,29
15.8	1,5,9,11,15,19,21,25,27,35,41
15.9	1,5,7,11,17,23,25
16.1	1,5,11-14,21,23
16.2	1,3,9,11,13,19,21
16.3	3,5,9,13,15,19,23
16.4	1,3,7,9,11,13,17
16.5	1,3,7,13,15,17
16.6	39,41,43,45
16.7	5,9,13,19,21,25,27
16.8	3,5,7,9
16.9	1,3,7,13

Instructions for WEBASSIGN

1. Webassign is an online content platform that is required for this course. It is the only thing you are required to purchase. You will be able to access the textbook, homework, and online tools from the Webassign site. You are not required to purchase a hard copy of the textbook.

2. To get started go to <https://www.webassign.net>

3. At the top of the page there is a gray box that says ENTER CLASS KEY. Click on it.

4. You will now be on a page that says ENROLL WITH CLASS KEY. Enter the following information:

louisville 1956 8387

(notice lower case and space after Louisville and after 4 digits)

5. This will take you to a page to verify class information. Verify that you are in the correct class and click on YES THIS IS MY CLASS.

6. On the subsequent page you will have two options. If you have never used webassign before, click on "Create Account" and continue. If you have used webassign before, you should click on "Sign in with your WebAssign username". At this point returning users must create a new Cengage username and password.

7. You will have 14 days of free access to Webassign before you have to purchase the access code. You should wait at least a week or ten days before you purchase the access code in case you need to drop the class. When you purchase the access code, there are two options. The first is to purchase one semester of access and the other is to purchase lifetime access to the course. If you plan on taking this course or (in case of Math 205) Math 206 or Math 301 in the future you should purchase lifetime access.

You can also use the following **Student Quick Start link** to register for your course.
http://www.webassign.net/manual/WA_Student_Quick_Start.pdf