

Mathematics 151 – Calculus with Analytic Geometry II^{*}
CRN 56545
Spring Semester 2010
Room M-105
Monday/Wednesday 10:00A – 12:05P

Instructor:	Paul Young
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Office Hours: To be announced

Textbook: Rogowski, Calculus and Analytic Geometry Custom Published 1st edition ISBN: 1-4292-2777-x, Freeman Publishing. Student solutions manual: 0-7167-9594-9.

Webpage: <http://web.mac.com/pyoung115>

Prerequisites: Passage of Mathematics 150 with a letter grade of 'C' or higher.

Objectives: This is a continuation of Mathematics 150. This course covers more advanced topics in analytic geometry, differentiation and integration of algebraic and transcendental functions, infinite series, Taylor series, and parametric equations. This course also covers a general introduction to the theory and applications of power series, techniques of integration, and functions in polar coordinates, as it serves as a basis for multivariable calculus and differential equations, as well as most upper division courses in mathematics and engineering. It is intended for the transfer student planning to major in mathematics, computer science, physics, chemistry, engineering and economics.

Attendance and Tardiness: Attendance will be checked sometime during each class period. According to the Attendance Requirements cited in the course catalog, if a student exceeds 6% of unexcused absences, the instructor may drop the student from the course. If the student accumulates more than 12% unexcused absences, the instructor shall drop the student from the course. In this course, there are approximately 65 classroom hours for the entire semester. Thus 6% of 65 is approximately 4 hours, and 12% of 65 is approximately 8 hours. In this class, 8 hours corresponds to having 4 unexcused absences; in the case that you have 5 absences, you will be dropped.

If you wish to drop this class, **it is your responsibility to do so**. Do not simply stop coming and assume that I will drop you from the course.

Student Responsibilities: Please read the section of the student catalog regarding student rights and responsibilities to familiarize with what is called Policy 3100. Pay close attention to the section regarding the "Code of Conduct". In order to have the class run as smooth as possible, please refer all your questions to me, for disruptive talking will not be permitted. I strongly encourage class participation, so try to participate in a manner from which everyone can benefit. By district policy only those that are officially enrolled in the course are allowed to attend and sit in class while in session. Furthermore no student is allowed to bring children into the classroom, so if you bring a child you will be asked to leave. If you are a student enrolled in the Disabled Student Program and Services (DSP&S) with a verifiable disability, please see me to discuss your accommodation(s) for this course.

* This syllabus is subject to change. You will be notified of any changes in-class.

Please note the following important dates:

1. **2/5** is the last day to add and pay for the course. This is also the last day to drop without receiving a 'W'.
2. **2/8** is the last day to drop and be eligible for refund of enrollment fees.
3. **3/1** is the last day to file a petition for Credit/No credit grade option
4. **4/9** is the last day to withdraw from the course with a 'W'. No drops will be accepted after this date.

Assignments and Exams:

There will be four (4) homework assignments packets due the day of the exams. The homework assignments must be written in pencil, written neatly on lined paper with all work shown, and stapled in order. Late homework assignments will NOT be accepted.

Homework Sections	Due Date
§7.1 – §7.4	2/8
§7.5 – §7.7 + §4.7	2/22
§8.1 – §8.3	3/8
§9.1 – §9.2	3/15
§9.3 – §9.5	3/24
§10.1 – §10.4	4/19
§10.5 – §10.7 + §8.4	4/28
§11.1 – §11.4	5/19

There will be three (3) chapter examinations throughout the semester. Each of the examination will be worth 100 points. **No make-up examinations will be given.** Please note the dates of the exams, for if you miss an exam, you will lose the points for whichever test you missed. If you do have a written excuse for missing a test it must be for some circumstance out of your control, such as an illness or a family emergency. In such a case, some formal written verification must be provided (i.e. doctor's excuse or an excuse from the dean of students). For those that are excused from an exam, your final grade will be based out of the total possible points that you are able to accumulate for the entire semester.

The examinations will be on:

- 1. February 22nd, 2. March 24th, 3. April 28th,**

There will be a final exam in this class, cumulatively covering everything presented in this course, with emphasis on the later half of the course.

Calculator:

This course requires the use of a TI-83+ or TI-84.

Grading Policy:

Point Breakdown		Points	Final grade
Homework	30 %	90 – 100%	A
Midterms	3 x 15% = 45 %	80 – 89%	B
Final Exam	25 %	70 – 79%	C
		60 – 69%	D
		0 – 60%	F

Fall 2009 – Mathematics 151 Schedule*
Instructor: Paul Young

Monday	Tuesday	Wednesday	Thursday	Friday
1/25 Introduction / 7.1	1/26	1/27 7.1 – 7.2	1/28	
2/1 7.3 – 7.4	2/2	2/3 7.4 – 7.5	2/4	2/5 *****
2/8 7.5 – 7.6 *****	2/9	2/10 7.6 – 4.7	2/11	
2/15 Washington Day	2/16	2/17 7.7	2/18	
2/22 Midterm I	2/23	2/24 8.1 – 8.2	2/25	
3/1 8.2 – 8.3 *****	3/2	3/3 9.1	3/4	
3/8 9.2	3/9	3/10 9.3	3/11	
3/15 9.4	3/16	3/17 9.5	3/18	
3/22 Review	3/23	3/24 Midterm II	3/25	
3/29	3/30	3/31	4/1	
4/5 10.1 – 10.2	4/6	4/7 10.2 – 10.3	4/8	4/9 *****
4/12 10.4	4/13	4/14 10.5 – 10.6	4/15	
4/19 10.6 – 8.4	4/20	4/21 10.7	4/22	
4/26 Review	4/27	4/28 Midterm III	4/29	
5/3 11.1	5/4	5/5 11.2	5/6	
5/10 11.3	5/11	5/12 11.4	5/13	
5/17 Review	5/18	5/19 Final Exam	5/20	

* This schedule is tentative. Any changes will be announced in class.