

MATH 1900 – SYLLABUS

COURSE TITLE:	Analytic Geometry and Calculus II	SECTION:	E01
CREDIT:	5 credit hours	CLASS #:	11616
TIME:	MW 5:30 p.m. – 7:45 p.m. 206 CH	SEMESTER:	Spring 2012

INSTRUCTOR: Al Stanger
Office: 344 ESH Phone: 516-7394
E-mail: stangera@umsl.edu

OFFICE HOURS: Monday and Wednesday 4:00 p.m. – 5:00 p.m.
Tuesday 5:00 p.m. – 6:00 p.m.
or by appointment

TEXTBOOK: *Calculus* by James Stewart, 7th edition,
ISBN-13: 978-0-53849781-7

COURSE DESCRIPTION: Topics include conic sections, rotation of axes, polar coordinates, exponential and logarithmic functions, inverse (trigonometric) functions, integration techniques, applications of the integral (including mass, moments, arc length, and hydrostatic pressure), parametric equations, infinite series, power and Taylor series. (Chapters 6 – 11 from the textbook; some sections will be skipped). **Calculators may be helpful when solving homework problems, but will NOT be ALLOWED when taking quizzes or exams.**

PREREQUISITE: A grade of C- or better in Math 1800 (Analytic Geometry and Calculus I) or equivalent.

MATH ACADEMIC CENTER 222 SSB: The Math Center is open Monday and Thursday from 9:00 am to 7:00 pm, Tuesday and Wednesday from 9:00 am to 8:30 pm, Friday from 9:00 am to 1:00 pm and Sunday from 1:00 pm to 5:00 pm.

ATTENDANCE/CLASS PARTICIPATION: Class meets daily at the time and location listed above. Regular class attendance AND participation is important for success in this course. Part of your final grade will be determined by your performance on in-class quizzes.

HOMEWORK: Attached is a homework assignment sheet with suggested homework problems. These suggested problems will not be turned in; however working the suggested homework problems is the best preparation for quizzes and tests. These problems all have answers in the back of the book. Doing lots of problems will give you the knowledge and skills to do well on the tests and quizzes. You are expected to spend at least two hours outside of class for each hour of class time; this means a minimum of two and a half hours daily!

QUIZZES: Quizzes will cover recent lecture material, so it would be wise to keep up on homework and get help right away for difficult concepts. At least ten unannounced quizzes will be given during the semester. Quizzes will be given at the beginning of class. They will be similar to homework problems. If more than ten quizzes are given, only your best ten grades will be counted as part of the final grade. **NO MAKE UP QUIZZES WILL BE ALLOWED.**

EXAM POLICY: There will be 4 tests and the mandatory comprehensive **Final Exam**. Dates of the exams are shown in the schedule. All exams are **closed books/notes**, and **calculators are NOT allowed**.

There will be NO tests dropped. Failure to appear for an exam will result in a grade 0 for that exam unless prior arrangements have been made. You will be allowed to take an exam at a different time (at the Campus Testing Center) **ONLY** in case of a serious trouble verified by some document (a doctor's excuse, a copy of a police report, a letter from a supervisor, etc.).

**The final exam will be given on Monday, May 7, 2012
from 5:30 p.m. to 7:30 p.m. (206 CH)**

SPECIAL ACCOMMODATIONS: Students requiring special accommodations should meet with me during office hours so that we can discuss how to meet your needs this semester. Prior to our meeting be sure you have met with someone in the Disability Access Services Office in 144 MSC. Information about your disability will be kept confidential.

COURSE GRADE:

Your **course grade** will be based on:

Attendance/Class Participation/ Quizzes	150 points
Tests	400 points
Final Exam	200 points
Total	750 points

The grade scale is as follows:

Score	Grade
675 - 750	A
600 - 674	B
525 - 599	C
450 - 524	D
0 - 450	F

In some situations, '+' or '-' grades may be assigned.

MYGATEWAY (<https://mygateway.umsl.edu/webapps/login>): Announcements and handouts are available on MyGateway. Be sure to check this source regularly.

DROPPING THE COURSE: If you choose to **drop** the course, you need to follow the proper drop procedure for getting excused from the course. A grade of F will be assigned to a student whose name is still on the final class roster and has not dropped the course officially. **This grade will not be changed retroactively.** **Delayed grades** can be given **only** for a situation where a student has completed all the work and has to miss the final exam because of an emergency.

Delayed grades have to be approved by the Department of Mathematics and Computer Science.

ACADEMIC DISHONESTY: Taking credit for another's work or using unauthorized devices (such as calculators) in the course (when they are expressly forbidden) is cheating. This may occur during in class exams/quizzes or take-home exams/quizzes in this course. The code of student conduct is in the *UMSL Student Handbook*.

According to the University's Collected Rules and Regulations (Chapter 200: Student Conduct), the term **Cheating** includes but is not limited to: (i) use of any unauthorized assistance in taking quizzes, tests, or examinations; (ii) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; (iii) acquisition or possession without permission of tests or other academic material belonging to a member of the University faculty or staff; or (iv) knowingly providing any unauthorized assistance to another student on quizzes, tests, or examinations.

Students caught cheating will receive a zero grade on the specific exam/quiz and the incident will be reported to the Department of Mathematics and Computer Science and the Office of the Vice Chancellor for Student Affairs.

Important dates:

Monday, February 13.....	Last day to drop with no grade.
Friday, April 6.....	Last day to drop with EXCused grade.
March 24 thru April 1.....	Spring Break
Friday, May 4	Last day of classes
Monday, May 7	Final Exam (5:30 p.m. to 7:30 p.m.)

List of Suggested Homework Problems
(Only odd-numbered problems unless otherwise noted.)

Section	Page	Problems
6.1	391	1 – 19 , 23 – 28, 35 – 43
6.2	401	7 – 15, 23 – 59, 65, 67, 79 – 90
6.3	409	3 – 17, 23 – 36, 47 – 59
6.4	418	3 – 37, 43 – 54, 71 – 82
6.5	451	1, 3, 9, 13, 19
9.3	624	1 – 17
6.6	461	1 – 9, 13, 19, 23 – 33, 37, 39, 43, 45, 49, 59 – 69
6.7	467	1 – 10, 31 – 39, 59 – 63
6.8	477	1, 7 – 65
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7.1	492	1 – 42
7.2	500	1 – 49, 61
7.3	507	1 – 29
7.4	516	7 – 33, 39 – 50
7.5	523	1 – 82
7.7	540	7, 15
7.8	551	1, 5, 9, 11, 15, 19, 21, 27, 31, 35, 39
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11.1	724	1 – 55
11.2	735	11 – 41, 43-47, 51, 53, 57 – 61
11.3	744	3 – 29
11.4	750	3 – 31
11.5	755	3 – 19
11.6	761	3 – 29, 35
11.7	764	1 – 37
11.8	769	3 – 27
11.9	775	3 – 17, 25
11.10	789	5 – 19, 25, 27, 29, 31, 33, 37, 63 – 70
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8.1	567	1 – 19
8.2	574	1 – 15
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10.1	665	1 – 18
10.2	675	1 – 7, 11 – 19, 37, 39, 41, 57, 59, 61
10.3	686	1 – 11, 15 – 19, 21 – 25, 29 – 41, 55, 61, 63
10.4	692	1 – 21, 23 – 33, 37 – 41, 45 – 47
10.5	700	1 – 47
10.6	710	1 – 15
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Tentative Schedule

(All changes to the schedule will be announced in the class and posted on MyGateway.)

Week of	Sections	Reviews	Tests
01/17	6.1 – 6.4		
01/23	6.5 – 6.7, 9.3		
01/30	6.7 – 6.8	Review for Test 1 (Wednesday, February 1)	
02/06	7.1 – 7.2		Test 1 (Monday, February 6)
02/13	7.3 – 7.5		
02/20	7.7 – 7.8	Review for Test 2 (Wednesday, February 22)	
02/27	11.1 – 11.3		Test 2 (Monday, February 27)
03/05	11.3 – 11.6		
03/12	11.6 – 11.8		
03/19	11.9 – 11.10	Review for Test 3 (Wednesday, March 21)	
03/26	Spring Break March 26 through April 1		
04/02	8.1 – 8.2		Test 3 (Monday, April 2)
04/09	10.1 – 10.2		
04/16	10.3 – 10.4		
04/23	10.5 – 10.6	Review for Test 4 (Wednesday, April 25)	
04/30		Review for the Final Exam (Wednesday, May 2)	Test 4 (Monday, April 30)

**Final Exam is scheduled for Monday, May 7, 2012
from 5:30 pm. to 7:30 p.m. (206 Clark Hall)**