

Calculus I

Math 2144.006, Fall 2010. PS 153 MWRF 10:30-11:20AM

Instructor: Dr. N. Ju, Associate Professor of Mathematics (nju@okstate.edu, MS 434, 744-5691).
Office Hours: TR: 4:00pm-5:30pm or by appointment.

Textbook: CALCULUS Early Transcendental, 6e by Stewart (Custom edition for OK State Univ.) '08.

Mathematics Learning Resource Center (MLRC): MLRC, on the 4th floor of CLB, provides numerous services for our course including tutoring, homework and exam reviews, and supplementary instruction on videotape and even computers for you to do homework. You are strongly encouraged to go there regularly to do your homework and to use the materials and services that have been made available to you. For more information, visit MLRC website at "www.math.okstate.edu/mlrc".

Homework: Homework assignment will be submitted at WebAssign. Those who took the placement exam during summer 2010 already used WebAssign with username their OKey short username and should not create new accounts. Students new to WebAssign are encouraged to use Okey short username as their WebAssign username. For OKey short username, check "<http://www.math.okstate.edu/calcready>", where it is circled in red. Go to "www.webassign.net/login.html" to login webAssign. You need to register as a student of this class. Our class key is: okstate 3002 3002. Your access code comes with the Calculus textbook purchased at OSU bookstore. If you run into problems, help is available at MLRC. The assignment due dates are available on the web site. You only have a limited number of attempts on each part of an assignment. **Late homework will not be accepted!**

Exams: There will be three mid-term exams and a final exam. OSU photo ID card will be checked for all exams. The coverage and dates of the mid-terms will be announced about a week ahead of time. The final exam will be comprehensive and held on Dec 13, Monday, 10:00-11:50am. Requests for make-up mid-term exams may be considered only for very serious and unavoidable conflicts deemed legitimate by the instructor and must be approved *in advance* by the instructor. Make-up mid-term exams can only be arranged at the appropriate time during the final exam week. **There is no make-up for the final exam!**

Grading policy:

- Homework 150 points (rescaled), midterm exams 3*100 points, final exam 150 points. Total: 600 points.
- Curving may be performed to all scores on a particular exam with a linear adjustment (adjusted score = scale factor *raw score + offset).
- Attendance: See following.
- Grade: A (≥ 540), B (≥ 480), C (≥ 420), D (≥ 360). Discretion may be given for borderline cases.

Attendance: Attendance is mandatory and will be taken from 2nd week. 4 absences are allowed without penalty. Additional absences results in a 2 points per absence deduction from total points. The maximum deduction will be 20 points. **Signing attendance sheet for a student not present is academic dishonesty!**

Calculator: A scientific calculator or computer may be necessary for some homework problems, but they will *not* be permitted during exams. Unless a numerical approximation is specifically requested, answers should be given in exact form.

Final Notes:

- Changes to this syllabus, if necessary, will be announced in classes.
- For general questions about OSU courses, read OSU *syllabus attachment* at "<http://osu.okstate.edu/acadaffr/aa/PDF%20Files/SYLATFA.pdf>"

Your final grade is based on the following:

You may be required to submit your *written work* at times. So, keep all of them just in case.

Calculator: A scientific calculator is required that is capable of evaluating the trigonometric functions (sine, cosine, and tangent) and their inverse functions, in both degrees and radians. A graphing calculator, e.g. TI-83, would be helpful to complete some of the homework problems, but will not be required for examinations.

MATH 1613 Homework Assignments

No	Sect	Pages	Problems
1	1.1	10-12	3-7, 10, 11, 15, 16, 21, 39*, 41, 50*
	1.2	18-21	2, 4, 6, 8, 10, 12, 14*, 19*, 23*
	1.3	31-33	1-6, 10, 14, 20*, 24, 25*, 30, 35, 38, 41*, 46, 50,
	1.4	38-44	58 2, 7, 11, 17*, 29, 33*, 38
2	2.1	63-67	1-3, 10, 11, 14, 15, 20, 22, 30*, 41, 46, 61*
	2.2	71-73	2, 6*, 12, 17*, 21
	2.3	81-85	2, 8*, 12, 14, 17*, 18, 24, 30, 33, 44, 46, 48*, 52,
	2.4*	96-98	58, 65
	2.5	110-113	1, 3, 7, 8 1, 4, 5, 8, 11, 14, 17, 26, 29, 32*, 41, 52, 65*, 73*
Exam 1			
3	3.1	137-139	1-10, 12*, 15, 16, 18, 28
	3.2	149-155	1, 2, 4, 8*, 17, 20, 26, 28*, 32*, 57
	3.3	163-167	4*, 5, 8, 9*, 12, 17, 20, 25, 28*, 34
	3.5	188-191	3, 6*, 9, 11, 12, 15, 25
	3.6	200-201	1-5, 8, 10, 12*, 21*
4	4.1	223-225	2, 4, 5, 6, 9, 13, 16, 18, 22, 26, 29, 33, 47
	4.2	233-235	1, 4, 5, 8, 10, 14, 17, 22, 40, 48, 52, 55, 59, 62, 64,
	4.3	243-245	67
	4.4	252-256	2, 11, 14, 23, 29, 31, 43, 49, 54
	4.5*	262-264	5, 7, 10, 14, 16, 19, 22, 24, 28, 44, 49, 62 1-6, 11-14, 18, 19, 21, 22, 29, 32, 36
Exam 2			
5	5.1	289-294	3, 5, 10, 14, 18, 20, 25, 27, 31, 35, 47, 50, 62, 66,
	5.3	307-309	68
	5.4	314-316	2, 4, 7, 10, 18, 21, 36, 43, 49, 53

			1-8, 13, 14
6	6.1	339-342	3, 6, 9, 12, 13, 15, 22, 23, 25, 28, 45, 52, 54, 61
	6.2	348-351	5, 8, 9, 15, 17, 20, 22, 25, 27, 39, 43, 47
	6.3*	357-358	2, 3, 6, 7, 10, 11
	6.4	364-366	3, 8, 12, 13, 16, 20, 23, 28, 31
	6.5	376-378	3, 6, 10, 16, 20, 26, 34, 45, 48, 53
	6.6*	376-378	4, 6, 8, 10, 13, 15, 16, 19, 20, 23, 24, 35, 37, 41, 45
Exam 3			
7	7.1	407-408	2, 4, 5, 12, 17, 24, 41, 44, 46, 51, 54, 54, 61
	7.2	418-420	3, 12, 16, 20
	7.3	428-429	2, 6, 10, 11, 14, 18, 21, 24, 27, 35, 36
	7.4	433-434	8, 12, 15, 16, 18, 19, 21, 24, 26, 28, 30

Homework Problems to be graded: 25=5*5 + Exam Problems (10 problems)

Homework #1: 13.2.26, 13.3.36, 13.4.26, 13.5.20, 13.5.72. (Jan 24)

Homework #2: 15.1.16, 15.3.42, 15.4.4, 15.5.30, 15.5.34. (Feb 7)

Homework #3: 15.6.24, 15.6.40, 15.7.6, 15.7.32, 15.8.8. (Feb 28)

Homework #4: 15.8.26, 16.2.24, 13.6.28, 16.3.14, 13.7.42. (Mar 13)

Homework #5: 13.7.50, 16.4.26, 16.6.10, 16.7.18, 16.8.24. (Apr 17)

Extra HMWK: 17.3.6, 17.4.12.