Single Variable Calculus II
Math 32 Section 10
Summer 2008

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OFFICE HOURS: M,Tu,W,Thu: 02:30 – 03:30 PM
                by appointment (Gov 224)

TEXTBOOK: *Calculus. Early Transcendentals.* by James Stewart,
                6th Edition, Brooks/Cole, 2008

GRADING POLICY:		GUIDELINES:	
3 Exams (lowest dropped):	50%	A:	100-90%
3 Collected homeworks:	20%	B:	89-80%
1 Comprehensive Final:	30%	C:	79-70%
Total:	100%	D:	69-60%

	Location	Day	Time
Math 32.10	Old Main 305	M, Tu, W, Th	06:00 - 07:30 PM

- If for some reason you are unable to take an exam at the announced time, you must notify me in advance with an appropriate excuse. Otherwise a zero will be recorded.

- Homework must be handed in on the announced day.

- Your final grade will be based on the above Policy & Guidelines. For example, if you score 90% on all homeworks and exams, you will receive a Course Grade of A. After all the exams and homeworks are totaled, the cutoffs may be adjusted slightly (e.g., an 89% course average will get an A, but the cutoffs will not be raised).

- **Calculators are not allowed on exams.**

- Homework

  - The best way to learn the material and do well on exams is to do as many of the Homework Exercises as possible. Do a little bit every day.

  - Selected homework exercises will be collected and graded, but after each lecture, you are strongly encouraged to work all of the exercises indicated on page 2.

Homework Exercises
For Stewart, Ed. 6: Calculus. Early Transcendentals

Lecture No.	Date	Section	Topic	Homework
1	May 19	6.1	Area between curves	p 420: 3,6,9,..., 30
2	May 20	6.2	Volumes	p 430: 3,6, 9, ..., 30
3	May 21	6.3	Volumes by cylindrical shells	p 436: 3,6, 9, ..., 24; 29,30, 39, 41
		6.5	Average value of a function	p 445: 36,6,9,13, 17
4	May 22		**Homework I collected**	
		7.1	Integration by parts	p 457: 3,6,9,...,36; 45, 48
	May 26		**Holiday**	
5	May 27	7.2	Integrals with trig functions	p 465: 3,6,9,...,48; 68
		7.3	Trig substitution	p 472: 3,6,9,...,33
6	May 28	7.4	Integrals of rational functions	p 481: 3,6,9,...,48; 55, 56
7	May 29		**Exam 1 (50 min)**	
		7.5	Integration strategies	p 488: 3,6,9,...,81
8	Jun 02	7.7	Approximating integrals	p 505: 7,9,11
9	Jun 03	7.8	Improper Integrals	p 515: 3,6,9,...,42; 51, 54, 69
10	Jun 04		**Homework II collected**	
		8.1	Arc length	p 530: 3,6,9,...,18
		8.2	Surface of revolution	p 537: 3, 6, 9, 11, 12, 15; 25
11	Jun 05	8.3	Applications	p 547: 3, 6,9, 11, 25, 27, 29
		10.1	Parametric Curves	p 626: 3,6,9,...,24; 31
12	Jun 09	10.2	Calculus of parametric curves	p 636: 3,6, 12, 15, 18; 25, 41, 42
		10.3	Polar coordinates	p 647: 3,6,9,...,45; 57, 61
13	Jun 10		**Exam II (50 min)**	
		10.4	Area & length in polar coord.	p 653: 3,6,9,...,48
14	Jun 11	11.1	Sequences	p 684: 3,6,9,...,45,61, 64
		11.2	Series	p 694: 3,6,9,...,33, 42, 45, 49
15	Jun 12	11.3	Integral test	p 703: 3,6,9,...,30
		11.4	Comparison test	p 709: 3,6,9,...,36; 43, 44
16	Jun 16	11.5	Alternating series	p 713: 3,6,9,...,18; 24
17	Jun 17		**Exam III (50 min)**	
		11.6	Abs. convergence, ratio and root tests	p 719: 3,6,9,...,33
18	Jun 18	11.7	Strategies for convergence of series	p 722: 3,6,9,...,36
19	Jun 19	11.8	Power series	p 727: 3,6,9,...,18; 24, 27, 32
20	Jun 23	11.9	Functions as power series	p 733: 3,6,9,...,24; 35
21	Jun 24		**Homework III collected**	
		11.10	Taylor and Mac Laurin series	p 746: 3,6,9,..., 33; 55. 59, 63, 66, 68
22	Jun 25	11.11	Application of Taylor's series	p 755: 3,6,9,...,21
23	Jun 26		**Final Comprehensive Exam**	

Instruction key for assignments

$1, 3, 5, \ldots, 2N+1 \implies$ Do every odd problem

$3, 6, 9, \ldots, 3N \implies$ Do every third problem