

**MTH182 – Calculus II Spring 2006  
MC306A**

**Instructor:** Dr. Barbara Haas Margolius, LB246, 687-5559,  
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**Office Hours:**

Monday, Wednesday, Friday 11:00 - 12:00  
or by appointment (generally available MWF afternoon, or Tue.)

**Classroom:** MC306A

**Text:** *Calculus Concepts and Connections*, Smith, Minton

**Course Content:** Second semester calculus including: integration, differential equations, applications of integration, and infinite series.

<b>Grading Policy:</b>  Proficiency Exam: 10% Quizzes and Homework: 30%  Tests: 30%  Final Exam: 30%	Letter grades are assigned according to the following policy:	94-100	A
		90-93	A-
		87-89	B+
		83-86	B
		80-82	B-
		77-79	C+
		70-76	C
65-69	D		
0-64	F		

**Quizzes and Homework:** Students are expected to read the relevant portion of the text *before* the class covering those sections. Homework and quizzes constitute 30% of the course grade. Some homework assignments may be assigned over the web through the textbook supported site. Quizzes will be announced at least two days prior via the class website. They may not be announced in class. Homework assignments will be approximately weekly.

**Tests:** There are three in-class tests plus the proficiency test. Each test is worth 10% of course credit. Tests are comprehensive although the primary emphasis will be on the material covered since the last test. *Students must pass the MTH181 proficiency to pass the course.* Students failing the first attempt may try a second time at the Math Testing Center, but the grade on the first attempt will be incorporated into the course grade.

**Final:** The final exam is comprehensive and constitutes 30% of the grade in the course. *Students must pass the final to pass the course.*

**Web access to course:** The publisher provides some online resources for the course. You will need the registration code provided with the text and the course code: MathZone Code: **5B5-FB-CCE** to access these resources.

**Cell phone use:** Cell phones may not be used during class. Cell phones ringing or used during class may adversely affect a students grade.

**Schedule:** Below is a schedule for the semester. The schedule is intended as a guideline. We may be ahead or behind the schedule at various times during the semester. Additional information about the class schedule, assignments and course materials will be posted on the class website:

<http://academic.csuohio.edu/bmargolius/homepage/courses/mth182/mth182S06.htm>.

Chapter/ Section	Topic	Date
<i>No Class</i>	<i>Martin Luther King Day</i>	1/16/06
	Review and Practice for Department Proficiency	1/18/06
4.1	Area under a curve	1/20/06
4.2	The Definite Integral	1/23/06
	<b>Proficiency Test</b>	1/25/06
4.2	The Definite Integral (drop deadline)	1/27/06
4.3	Antiderivatives	1/30/06
4.4	The Fundamental Theorem of Calculus	2/1/06
4.5	Integration by Substitution	2/3/06
4.5	Integration by Substitution	2/6/06
4.6	Integration by Parts	2/8/06
4.6	Integration by Parts	2/10/06
4.7	Other Techniques of Integration	2/13/06
4.7	Other Techniques of Integration	2/15/06
4.10	Improper Integrals	2/17/06
<i>No Class</i>	<i>President's Day</i>	2/20/06
4.10	Improper Integrals	2/22/06
<b>4</b>	<b>Test 1</b>	2/24/06
5.1	Area of a Plane Region	2/27/06
5.1	Area of a Plane Region	3/1/06
5.2	Volume	3/3/06
5.2	Volume	3/6/06
5.2	Volume	3/8/06
5.3	Arc Length	3/10/06
<i>No Class</i>	<i>Spring Recess</i>	3/12-19
6.2	Separable Differential Equations	3/20/06
7.1	Sequences of Real Numbers	3/22/06
7.1	Sequences of Real Numbers	3/24/06
7.2	Infinite Series	3/27/06
7.2	Infinite Series	3/29/06
<b>5.1-6.2,7.1-</b>	<b>Test 2</b>	3/31/06
7.3	The Integral Test and Comparison Tests	4/3/06
7.3	The Integral Test and Comparison Tests	4/5/06
7.4	Alternating Series	4/7/06
7.5	Absolute Convergence and the Ratio Test	4/10/06
7.6	Power Series	4/12/06
7.6	Power Series	4/14/06
7.7	Taylor Series	4/17/06
7.7	Taylor Series	4/19/06
7.8	Applications of Taylor Series	4/21/06
7.8	Applications of Taylor Series	4/24/06
7.10	Using Series to Solve Differential Equations	4/26/06
<b>Review</b>		4/28/06
<b>7</b>	<b>Test 3</b>	5/1/06
<b>Review</b>	Comprehensive Final	5/3/06
<b>Review</b>	Comprehensive Final	5/5/06
<b>Final</b>	Final Exam 8:30-10:30	5/10/06