

MATH 1180 - PRECALCULUS - Spring 2009

Lecture Sections

COURSE COORDINATOR: Dr. Dennis Pence <http://homepages.wmich.edu/~pence/>

Office: 5522 Everett Tower

Office Hours: M W 9:00-9:50 am; Tu Th 8:30-9:20 am, other times by appt.

Phone: 387-4538 e_mail: dennis.pence@wmich.edu

FAX : 387-4530 Department Web Site: <http://www.wmich.edu/math/>

COURSE PREREQUISITE: A satisfactory score on the ACT or Math Placement exam, or a 'C' grade in Math 111 (or, equivalent transfer credit). If you are in a Business College curriculum, consult your advisor to see if Math 116 is a more appropriate course for your program.

TEXT : *Precalculus*, by Dwyer and Gruenwald. [Note: Either the hardback version (green cover) or the special WMU paperback edition (red cover, black-and-white, only the chapters we use) will work.] Helpful tip: You will understand the material better if you have read the appropriate sections of the book before each class.

CALCULATOR: You are required to have a graphing calculator for this course. If you already own one, use it as long as it is adequate. Otherwise, get a TI-83, TI-84, TI-86, or TI-89 paying attention to what might be required in the next course. For a complete current list, see

<http://www.wmich.edu/math/Calculators.htm>

The publisher of our text offers an online graphing calculator manual for most popular TI models at

<http://mathematics.brookscole.com>

(click on "Precalculus" and then find the text "Dwyer.." and "companion site"; also has online chapter quizzes)

SYLLABUS: We will study Chapters 1 - 7, covering various types of functions (linear, quadratic, polynomial, rational, exponential, logarithmic, and trigonometric). We also will study conic sections (in Chapter 8). Chapter 1 contains a summary of basic algebra which we will briefly review. You are responsible for the entire Chapter 1.

COURSE STRUCTURE: Lecture sections will meet Tu Th 9:30-10:45 am in 1104 RH for lectures and some time on W for recitation. All regular exams will be in lecture. Typically you will get homework returned, get a chance to ask questions, and take quizzes in recitation. The final exam for the lecture only will be Tuesday, April 21, 8-10am.

ASSESSMENT:	Homework	50
	Quizzes	100
	Exam 1 (February 5)	100
	Exam 2 (March 12)	100
	Exam 3 (April 2)	100
	<u>MASS Final Exam (April 21, 8:00-10:00 am)</u>	<u>150</u>
	Total Points	600

Your grade will be determined by the scale:

Percent:	89	82	75	68	60	55	50
Grade:	A	BA	B	CB	C	DC	D

HOMEWORK: Homework will be assigned in lecture. Our normal pattern will be to collect homework in lecture on Thursday (which will be returned the following Wednesday).

TUTOR LAB HOURS: Students may get one-on-one help at the Tutor lab in 2261 RH. Times are now being set and can be found at the department web site.

EXAMS: Exams 1, 2, and 3 will consist mostly of multiple-choice questions, with a few questions with written responses. The Final Exam will be totally multiple-choice. Exam 1 will be with *no calculators* and *no notecards*. Students must have a graphing calculator and may bring a single 3x5 formula card to the remaining exams and the final.

MAKE_UP POLICY : There will be no make-up of a missed quiz or class activity. Instructors do not need to accept late homework. To accommodate the occasional illness, the two lowest homework scores will be dropped. If you miss a regular exam for an acceptable reason, your recitation instructor can schedule you for a make-up during the make-up time at the end of final exams (April 24, 12:30-2:30). Only students on an approved list will be admitted to this make-up period.

ACADEMIC INTEGRITY: You are responsible for making yourself aware of and understanding the policies and procedures in the Undergraduate Catalog (pp. 268-270) that pertain to Academic Integrity. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Judicial Affairs. You will be given the opportunity to review the charge(s). If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with me if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test. In particular, use of a cellphone during any testing will be considered an attempt to cheat. Please have your phone turned off (or on vibrate mode) during class to respect the rights of others in the room.

MARCH 16: This is the last date a student can process an official withdrawal from the course, to avoid a grade. "Incompletes" are rarely given, and they are never given as a substitute for a failing grade. There must be a plan for how to finish the remaining work for an "Incomplete" (and retaking the course is *not* an acceptable plan).

TENTATIVE SCHEDULE (Spring 2009):

<u>Date</u>	<u>TWR (Lecture/Rec.)</u>	<u>Date</u>	<u>TWR (Lecture/Rec.)</u>
T 1-6	1.1-3	<i>Spring Break</i>	
W 1-7	recitation		
R 1-8	1.4-5	T 3-10	5.6, Review
		W 3-11	recitation
T 1-13	1.6-7	R 3-12	6.1, TEST 2
W 1-14	recitation		
R 1-15	2.1-2	T 3-17	6.2-3
		W 3-18	recitation
T 1-20	2.3-4	R 3-19	6.4
W 1-21	recitation		
R 1-22	2.5-6	T 3-24	7.1-2
		W 3-25	recitation
T 1-27	3.1-2	R 3-26	7.5
W 1-28	recitation		
R 1-29	3.3-4	T 3-31	Review
		W 4-1	recitation
T 2-3	3.5, Review	R 4-2	8.1, TEST 3
W 2-4	recitation		
R 2-5	4.1, TEST 1	T 4-7	8.2-3
		W 4-8	recitation
T 2-10	4.1(more), 4.2	R 4-9	8.4
W 2-11	recitation		
R 2-12	4.3-4	T 4-14	8.6
		W 4-15	recitation
T 2-17	4.5	R 4-16	Review
W 2-18	recitation		
R 2-19	5.1-2		
T 2-24	5.3		
W 2-25	recitation		
R 2-26	5.4-5		

The final exam for all students in the large lecture will be at the time regularly scheduled for a T 9:30 course, Tuesday, April 21, 8:00-10:00 am. All make-ups are offered Friday, April 24, 12:30-2:30 pm.