

# PRECALCULUS

**MAT 170**

**FALL 2007**

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MAT170URL: <a href="http://math.asu.edu/fym/Courses/mat170/mat170.html">http://math.asu.edu/fym/Courses/mat170/mat170.html</a>	Instructor Web Page: <a href="http://mathpost.asu.edu/~vkamat">mathpost.asu.edu/~vkamat</a>

## Topic Calendar

Week of	Topics Covered	Comments
8/20	Intro., 1.2, 1.3	
8/27	1.6, 1.7, 1.8	
9/3	2.1, 2.2	OFF: LABOR DAY – 9/3
9/10	Review, 2.3	TEST 1: (9/11 – 9/12)
9/17	2.4, 2.5	
9/24	2.6, 3.1, 3.2	
10/1	3.3, 3.4, 3.5	
10/8	Review, 4.1	TEST 2: (10/9 – 10/10)
10/15	4.2, 4.3	
10/22	4.4, 4.5, 4.6	
10/29	4.7, 5.1	
11/5	Review, 5.2	TEST 3: (11/6 – 11/7)
11/12	5.3, 5.5	OFF: VETERANS DAY – 11/12
11/19	5.5, 6.1	OFF: THANKSGIVING – 11/22 & 11/23
11/26	6.2, 6.6, 6.7	
12/3	Review	FINAL EXAM: Thursday, Dec. 6 <sup>th</sup> , 6:40PM – 8:30PM

**Text:** Blitzer, Robert, *Precalculus Essentials 2<sup>nd</sup> Edition*, Pearson/Prentice-Hall, 2007, or in lieu of a textbook, an E-book using a MyMathLab ACCESS CODE.

**Prerequisites:** (1) A grade of 'C' or better in College Algebra MAT 117, or (2) equivalent to MAT 117 and completion of department Unified Placement Exam. The placement exam is taken online and must be completed by the end of the first week of classes.

**Placement Exam:** Students **must** take the Unified Mathematics Placement Test outside of class on the Internet **by the end of the first week of class**. The URL is <http://math.asu.edu/fym/placement.html>. This exam will emphasize required algebraic skills as well as assessing the student's general level of current mathematical ability.

**Graphing Calculator:** A graphing calculator is required for this course. If you already have a graphing calculator, you may use it. Examples of highly recommended models are the TI 83/84 or Casio 9850GB Plus. Calculators with QWERTY keyboards or those that do symbolic algebra, such as the Casio FX2, Casio 9970Gs, TI-89, or TI-92 **cannot** be used in class or during an exam. I strongly recommend that you attend the workshops that are going to be held by the Mathematics department. I will not spend class time helping you with your calculator difficulties.

TI-Calculator	Date	Time	Place
	8/27/07	4:40PM – 6:30PM	MUR – 101
	8/28/07	4:40PM – 6:30PM	MUR – 10
Casio-Calculator	Date	Time	Place
	8/27/07	3:05PM – 5:00PM	PS – H135
	8/28/07	3:05PM – 5:00PM	PS – H153

**Final Exam:** The final exam will be given on **Thursday, December 6<sup>th</sup>, from 6:40pm – 8:30 pm.** Room assignments will be announced in class. There will be no makeup given for the final, and no finals will be rescheduled for personal reasons, including non-refundable airplane tickets. (Refer to last page of this syllabus.)

**Midterm Exams:** You will take three midterm exams during the semester. Each exam consists of two parts; Part one (70%) show work problems and Part two (30%) multiple chose problems. The best possible preparation for them is regular **attendance** and completion of assigned **homework** and **review problem** on MAT 170 home page for each test.

- \* These exams must be taken outside of regular class time in the [Mathematics Department Testing Center](#), in PSA 21 (basement).
- \* To be admitted to the Testing Center each student **must** have a valid ASU "Sun Card".
- \* The testing center is open 8:00 a.m. - 6:30 p.m. M - Th and 8:00 a.m. - 3:30 p.m. Friday. Make sure you arrive **before** 6:30 p.m. M - Th or 3:30 p.m. Fri. The testing center will not allow late entry. Arrival before the door closes allows the student an hour and a half to complete the test.
- \* Students should take exams as early as possible during the allotted time frame, since the center can get extremely busy in the afternoons.
- \* Your calculator memory may be viewed during any exam and will be cleared if anything suspicious is noted. The instructor has the right to regard finding suspicious material in your calculator memory as cheating.

**Makeup exams:** Makeup exams are given at the discretion of the instructor and only in the case of verified medical or other **documented** emergencies. Notify your instructor **before the test is given** if possible. Call your instructor or the Math Department Office (480-965-3951) and leave a message or directly notify your instructor. If the event is not an emergency, you must notify the instructor in advance to request a makeup. The instructor is not required to accommodate you.

### Grading Criteria:

Point Allocation	
3 Midterm Exams	300
Final Exam	150
Homework	100
Attendance & Class participation	50

### No tests will be dropped.

97-100%	A+	87-89	B+	77-79	C+	0-59	E
93-96%	A	83-86	B	70-76	C		
90-92%	A-	80-82	B-	60-69	D		

### Student resources:

**Tutor Center:** The [Math Tutor Center](#) (free of charge) in PSA 116 will be open M - Th 8:00 a.m. - 8:00 p.m., Fri. 8:00 a.m. - noon, and Sat. & Sun. noon - 4:00 p.m. Come for help **before** it is too late, and several days **before** an exam day if you need help. In order to be admitted to the Tutor Center each student must have a valid ASU "Sun Card".

**ASU Learning Resource Center (LRC):** The [LRC](#) provides counseling, tutoring in math (and many other subjects), supplemental instruction, and other types of support to students. The hours and locations can be found at <http://www.asu.edu/studentaffairs/lrc/Hours-and-Locations.html>.

### Homework:

- Homework will be submitted via the internet using the online homework system MyMathLab. The website for MyMathLab is [www.coursecompass.com](http://www.coursecompass.com). In order to use MyMathLab you will need a computer running MS-Windows with access to the MS-Internet Explorer web browser. It can be either your own computer or one in any of the ASU computer labs. In order to register for MyMathLab, you must have three things:
  1. ACCESS CODE (This can be purchased with a new textbook or online at <http://www.mymathlab.com/register.html> and clicking on the link "purchasing online access")
  2. Course ID, which is **kamat49499**
  3. A valid email address.
- **In addition** to completing homework on MyMathLab, I may occasionally collect problems from the text for a grade. Even if these problems are not collected, it is recommended that students complete these problems for extra practice.
- Students are responsible for reading each section **before** it is taught in class.

#### Suggested Homework Problems

Section	Homework Problems
1.2	13, 16, 30, 33, 38, 81, 82, 105
1.3	11, 20, 21, 23, 27, 37, 43, 62(a-k), 73
1.6	19, 21, 23, 59, 71, 85, 87
1.7	4, 6, 8, 21, 23, 28, 32, 57, 71, 75, 90, 91, 103
1.8	7, 15, 17, 23, 27, 57, 69
2.1	9, 13, 15, 27, 34, 45
2.2	30, 31, 41, 49, 58, 60, 65
2.3	15, 16, 17, 18, 27, 29, 31, 41, 47
2.4	5, 15, 17, 19, 33, 41, 43, 47
2.5	3, 11, 21, 25, 53, 60, 67
2.6	4, 6, 8, 21, 25, 29, 31, 33, 91, 92
3.1	4, 9, 11, 15, 53, 57, 58, 63, 65
3.2	3, 5, 15, 19, 23, 27, 30, 39, 41, 53, 77, 79, 83, 85, 89, 93
3.3	28, 31, 37, 61, 69, 71, 94, 95, 96, 97
3.4	5, 13, 21, 23, 31, 41, 43, 53, 61, 67, 69, 86, 87
3.5	7, 11, 17, 19, 31
4.1	9, 15, 19, 24, 28, 30, 37, 41, 47, 55, 57, 61, 63, 67, 71
4.2	3, 5, 6, 7, 8, 9, 12, 15, 19, 21, 23, 25, 31, 39, 47, 51, 53, 54, 57
4.3	5, 10, 15, 17, 21, 29, 31, 54, 57
4.4	1, 5, 9, 13, 15, 23, 29, 37, 41, 47, 59, 62, 71, 73, 83, 89
4.5	7, 13, 23, 25, 39, 47, 53, 61

4.6	5, 12, 17, 29, 33
4.7	1, 3, 7, 9, 13, 14, 19, 23, 31, 33, 35, 36, 47, 49, 63, 67
5.1	5, 7, 13, 15, 27, 31, 37, 45, 51, 57
5.2	5, 15, 19, 21, 25, 39, 50, 51, 57
5.3	9, 25, 31, 39, 49, 51, 55
5.5	3, 9, 19, 21, 25, 39, 41, 49, 55, 65, 69, 87, 93, 108
6.1	5, 9, 17, 33, 51, 57
6.2	3, 9, 25, 41
6.6	3, 5, 9, 13, 15, 21, 25, 31, 33, 35, 37, 39, 41, 47, 51, 61, 63
6.7	3, 5, 9, 13, 19, 21, 25, 27, 33, 35

(Homework problems may be added or deleted at the instructor's discretion)

**Attendance:** For classes that meet three days a week (MWF, for example), the maximum number of allowed absences is six (6). For classes that meet two days a week, the maximum number is four (4). Students who exceed the number of allowed absences will receive a grade of EN.

**Class Participation:** Frequently, I will assign some problems and you will work on them in class, in groups of 3. You will have to turn them in (one copy for each group), for a grade. Also, active participation in class discussions will favorably affect your grade.

**Note:** This syllabus is tentative and should not be considered definitive. The instructor reserves the right to modify it (including the dates of the tests) to meet the needs of the class. It is the student responsibility to attend class regularly and to make note of any change. The Instructor also reserves the right to create class policies in regards to homework due date, late assignments, etc.

### **Departmental and University Policies and Procedures**

<b>Departmental drop back</b>	<b>Monday, September 10</b>
<b>Course withdrawal</b>	<b>Fri. Nov. 2 / Sun. Nov. 4 (ASU interactive)</b>
<b>Complete withdrawal</b>	<b>Tuesday, December 4</b>

**Departmental Drop Back:** Based on results of a readiness test and advising from the course instructor, a student may elect to drop back to a lower level math course before the drop back deadline. The student should go to the Undergraduate Mathematics Office in PS A211 to initiate a drop back request.

**The grade of Incomplete:** A grade of incomplete will be awarded only in the event that a documented emergency or illness prevents the student who is doing acceptable work from completing a small percentage of the course requirements. The guidelines in the current general ASU catalog regarding a grade of incomplete will be strictly followed.

**Instructor-Initiated Drop:** At the instructor's discretion, any student who has not attended class during the first week of classes may be administratively dropped from the course. However, students should be aware that non-attendance would NOT automatically result in their being dropped from the course. Thus, a student should not assume they are no longer registered for a course simply because they did not attend class during the first week. It is the student's responsibility to be aware of their registration status.

**Final Exam Make-up Policy:** The final exam schedule listed in the Schedule of Classes will be strictly followed. Exceptions to the schedule and requests for make-up examinations can be granted only by the Department Chair, Associate Department Chair or the Director of First Year Mathematics, and for one of the following reasons:

1. Religious conflict (e.g., the student celebrates the Sabbath on Saturday)
2. The student has more than three exams scheduled on the same day as the math final
3. There is a time conflict between the math final and another final exam.

**Incomplete:** If there is a last-minute personal or medical emergency, the student may receive a grade of Incomplete and make up the final within one calendar year. The student must provide written documentation and be passing the class at the time to receive an Incomplete. Make-up exams will NOT be given for reasons of a non-refundable airline tickets, vacation plans, work schedules,

weddings, family reunions, and other such activities. Students should consult the final exam schedule before making end-of-semester travel plans. *The Dean of the student's college must approve any exceptions to these rules.*

**Honor Policy:** The highest standards of academic integrity are expected of all students. The failure of any student to meet these standards may result in suspension or expulsion from the University or other sanctions as specified in the University Student Academic Integrity Policy. Violations of academic integrity include, but are not limited to, cheating, fabrication, tampering, plagiarism or facilitating such activities.

**The grade of XE:** A grade of **XE** is reserved for "failure for academic dishonesty." The grade goes on the student's transcript; the student needs to petition to have it removed after 1 year.

**Ethics:** It's highly unethical to bring to your instructor's attention the possible impact of your mathematics grade on your future plans, including graduation, scholarships, jobs, etc. The instructor may exercise an option to withdraw you from the course if they think you are compromising the ability to assess your work independently of any other consideration. Students found to be involved in academic dishonesty will be removed from the class and a grade of **XE** for the course will be submitted to the registrar. The student will be advised to repeat the course with another professor, possibly at another institution. This is the least action taken. Further, more serious actions may be taken if the situation indicated that such actions are appropriate. We will act very harshly against cheating during Quizzes or Exams.

**Classroom behavior:** Under no circumstances should you allow your cell phone to ring during class. Any disruptive behavior, which includes ringing cell phones, listening to your mp3 player, text messaging, constant talking, eating food noisily, reading a newspaper will not be tolerated. If in my judgment you are disrupting class, I will ask you to leave and I may report you to the Dean of Students.