

MAT 117

SPRING 2010

Instructor: Mr. Anthony D'Alesandro	Office: Mesquite Hall – 215B (Hassayampa) Office Hours: Mon, Wed 2pm – 3:15pm Tue 9:30am – 10:15am, 3:30pm – 4:30pm Thur 9:30am – 10:15am
Telephone: (480) 965 – 0034	E-mail: tdalesan@math.asu.edu
MAT117 URL: http://math.asu.edu/fym/Courses/mat117.html	Instructor URL: http://math.asu.edu/~tdalesan/mat117/mat117.html

Week of	Topics	Comments
1/18 – 1/22	Orientation, 3.1: Functions, 3.2: The Graph of a Function	<i>OFF: M.L. King Jr. Day, 1/18</i>
1/25 – 1/29	3.3: Properties of Functions, 3.4: Library of Functions; Piecewise-defined Functions	
2/1 – 2/5	3.4: Library of Functions; Piecewise-defined Functions 3.5: Graphing Techniques: Transformations	
2/8 – 2/12	4.1: Linear Functions and Their Properties, 4.2: Building Linear Functions from Data	
2/15 – 2/19	Review, R5: Factoring Polynomials R6: Synthetic Division	Exam 1 (Section 3.1 – 4.2): TTh: 2/18 MW: 2/17
2/22 – 2/26	4.3: Quadratic Functions and Their Properties, 5.1: Polynomial Functions and Models	<i>1st Academic Status Report 2/22 – 3/1</i>
3/1 – 3/5	5.2: Properties of Rational Functions, 5.3: The Graph of a Rational Function, 5.5: The Real Zeros of a Polynomial Function	
3/8 – 3/12	5.6: Complex Zeros: Fundamental Theorem of Algebra, 6.1: Composite Functions, 6.2: One-to-One Functions; Inverse Functions	
3/15 – 3/19	SPRING BREAK	NO CLASSES
3/22 – 3/26	Review, 6.3: Exponential Functions 6.4: Logarithmic Functions,	Exam 2 (R5,R6, Section 4.3 – 6.2): TTh: 3/25 MW: 3/24
3/29 – 4/2	6.5: Properties of Logarithms 6.6: Logarithmic and Exponential Equations,	<i>2nd Academic Status Report 3/29 – 4/5</i>
4/5 – 4/9	6.7: Compound Interest, 6.8: Exponential Growth & Decay, Logistic Models,	<i>Withdrawal deadline:</i> <i>4/9 (in person) & 4/11 (online)</i>
4/12 – 4/16	8.1: Systems of Linear Equations: Substitution & Elimination, 8.2: System of Equations: Matrices	
4/19 – 4/23	Review, 9.1: Sequences,	Exam 3 (Section 6.3 – 8.2): TTh: 4/22 MW: 4/21
4/26 – 4/30	9.2: Arithmetic Sequences, 9.3: Geometric Sequences; Geometric Series	
5/3 – 5/4	Review	<i>Reading Day – 5/5</i>

Text: Sullivan, Michael, *College Algebra 8th Edition*, Pearson/Prentice – Hall, 2008, or in lieu of textbook an E-Book using a MyMathLab Access Code.

Prerequisites: Students entering MAT 117 are expected to have completed Intermediate Algebra or its equivalent with a grade of A, B, or C. If the Placement Test Results showed that a lower level course MAT 106 is recommended, then the student should take this course prior to taking MAT 117. The URL for the Placement Test is <http://math.asu.edu/fym/placement.html>

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 TI *n*-spire 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.

GRAPHING CALCULATOR WORKSHOP

	Date	Time	Place
TI-Calculator	1/28/10	4:30-6:30 PM	NEEB, Room 105
	1/29/10	4:30-6:30 PM	NEEB, Room 105

Exams: You will take three exams during the semester. Each midterm exam consists of 25 multiple choice problems.

- **The best possible preparation of them is regular attendance and completion of assigned homework.**
- EXAMS WILL BE GIVEN IN CLASS.
- 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 by email ASAP. If the event is not an emergency, you must notify the instructor in advance to request a makeup.

Exam	Sections	Dates
Exam #1	3.1, 3.2, 3.3, 3.4, 3.5, 4.1, 4.2	T/Th: Thur. 2/18 M/W: Wed. 2/17
Exam #2	R5, R6, 4.3, 5.1, 5.2, 5.3, 5.5, 5.6, 6.1, 6.2	T/Th: Thur. 3/25 M/W: Wed. 3/24
Exam #3	6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 8.1, 8.2	T/Th: Thur. 4/22 M/W: Wed. 4/21
Final Exam	All sections including 9.1, 9.2, 9.3	T/Th: Tue. May 11 th , 12:10pm – 2pm M/W: Wed. May 12 th , 12:10pm – 2pm

Final Exam: The final exam will be given according to the ASU Final Exam Schedule. There will be no make ups given for the final, and no finals will be rescheduled for personal reasons, including non-refundable airplane tickets. (Refer to the last page of this syllabus.)

Quizzes: There will be in class quizzes during the semester. The quizzes are unannounced. You must be prepared for class. Review your notes before coming to class. **THERE ARE NO MAKE UPS FOR QUIZZES FOR ANY REASON. MISS A QUIZ AND YOU GET A ZERO.** You have to be in class. Depending on the number of quizzes given, I will drop 2 or 3 of your lowest quizzes from the grade.

Grading

Distribution:	Exams 1, 2, and 3	54%
	Homework, Quizzes	21%
	Cumulative Final Exam	25%

Grading Scale

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
0 – 59%	E

Attendance:

- Attendance will be taken on a regular basis as studies have shown that students that attend class regularly are more likely to complete their courses successfully.
- 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 (TTh for example), the maximum number is four (4).
- **Students who exceed the maximum number of absences will receive a grade of EN.**

Homework, Quizzes & Projects:

- Homework, quizzes, and projects will be graded. Students may work together on homework, but each individual student is required to submit their own work.
- Homework will be submitted online via the internet using the online homework system MyMathLab. It can be either your own computer or one in any of the ASU computer labs.
- To log onto MyMathLab, go to <http://www.coursecompass.com/>
You will need 3 items to register for MyMathLab:
 1. course ID –
 2. valid access code (from text book or online registration)
 3. valid email address

Further instructions regarding MyMathLab will be given in class.

Regular quizzes and projects will be given and frequently reflect material that has recently been discussed in class. There will be no make-up quizzes or homework.

Students are expected to read relevant sections of the textbook prior to attending class.

Students Resources:

- **Tutor Center:** The [Math Tutor Center](#) (free of charge) in PSA 116 will be open with the following schedule:
 - Monday – Thursday from 8:00 AM – 8:00 PM.
 - Friday 8:00 AM – 3:00 PM.
 - Sunday 1:00 PM – 6:00 PM.Come in for help before it is too late, and several days before an exam day to strengthen your preparation. In order to be admitted to the Tutor Center each student must present their valid ASU Sun Card.
- **ASU Learning Support Services (LSS):** Learning Support Services ([LSS](#)) uses a peer-assisted model to provide academic support and learning opportunities that foster students' academic, personal, and professional success. LSS staff members are professionally trained to assist peers in achieving academic success. Services are provided at Hassayampa Academic Village (1st floor), Memorial Union Room 178, and Palo Verde West.

Departmental and University Policies and Procedures

Course Withdrawal Deadline - In Person	April 9 th , 2010
Course Withdrawal Deadline - Online	April 11 th , 2010
Complete Withdrawal Deadline	May 4 th , 2010

Withdrawal: A student may withdraw from a course with a grade of **W** during the withdrawal period. The instructor's signature is not required.

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 will **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. Except to resolve those situations described below. No changes may be made in this schedule without prior approval of the Dean of the college in which the course is offered. Under this schedule, if a conflict occurs, or a student has more than three exams on one day, the instructors may be consulted about an individual schedule adjustment. If necessary, the matter may be pursued further with the appropriate dean(s). This procedure applies to conflicts among any combination of Downtown Phoenix campus, Tempe campus, Polytechnic campus, West campus, and/or off campus class. 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.

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. See the following website for more details: http://www.asu.edu/studentaffairs/studentlife/judicial/academic_integrity.htm

ACADEMIC DISHONESTY!

In the "Student Academic Integrity Policy" manual, ASU defines "Plagiarism" [as] using another's words, ideas, materials or work without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another's work or materials and for acknowledging and documenting the source appropriately." You can find this definition at:

http://www.asu.edu/studentaffairs/studentlife/judicial/academic_integrity.htm#definitions

Academic dishonesty, including inappropriate collaboration, will not be tolerated. There are severe sanctions for cheating, plagiarizing and any other form of dishonesty.

The grade of XE: A grade of **XE** is reserved for "failure for academic dishonesty." The XE grade may be petitioned after 1 year.

Disability Accommodations: If you have a disability that needs accommodating, please report this privately to the instructor **by the end of the first week of class**. You should also contact the Disability Resource Center at (480) 965 – 1234 (voice) or (480) 965 – 9000 (TTY). All efforts will be made to ensure you have equal opportunity to succeed in the course.

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. Students who engage in disruptive classroom behavior may be subject to various sanctions. The procedures for initiating a disruptive behavior withdraw can be found at <http://clas.asu.edu/classroom/disruptive>.

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.