Syllabus Math 121 Fall 2007

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I. <u>Course and Catalog Description</u>: Math 121 College Algebra includes the study of equations, inequalities ad systems of equations. Functions and their graphs are introduced including polynomial, rational, exponential and logarithmic. Perquisite: Math 120 or a minimum grade of CR or adequate score on placement exam.

II. Course Objectives:

Students will improve skills in algebraic manipulation.

Students will improve their ability to organize material and present it in an orderly manner.

Students will develop and improve their ability to set up and solve a

variety of problems through the use of problem solving skills and techniques.

Students will graph and solve linear, guadratic, exponential, and logarithmic functions and their applications in addition to solving systems of equations.

III. Class Format: This course will be taught using a variety of teaching methods and techniques. These methods may include lecture, demonstrated problem solving, discovery, collaborative and/or cooperative learning activities, and individualized instruction.

IV. Required Materials: Textbook: College Algebra, by Michael Sullivan New Mexico edition (7th main Ed) A scientific calculator is recommended

Graphing calculators will be allowed in class but NOT on guizzes or tests Graph paper Binder (Keep all papers until the end of the semester)

V Course Requirements:

Attendance: Because attendance is important to be successful in college as

well as future careers, students should attend all classes. A student who is absent cannot participate in class by actively listening or by contribution to class discussions and collaborative activities. Therefore, the following attendance and tardy policy will be enforced this term.

Students are expected to attend all classes (even if they have a high average on tests)

Attendance is taken at the beginning of each class session.

Students who miss 4 or more classes may be dropped.

A tardy is defined as not being present when the class begins. If students are tardy, it is their responsibility to approach the instructor after class to ensure that their attendance is documented. Tardiness or leaving early will be noted and a partial absence will be recorded.

Students are responsible for missed assignments and tests and must take the initiative to make up missed work.

VI. Accommodation Statement: We accommodate students will documented disabilities. During the first two weeks of the semester, those students should inform the instructor of their particular needs.

VII. Electronic Devices in Class: In UNM classrooms and laboratories, all cellular telephones, pagers and beepers must be turned off or switched to silent or vibrator mode. Electronic entertainment devices are to be turned off and head phones removed.

VII. Grading Policy

		А	990-100%		
Homework, Group Work and Classwork	20%	В	80-90%		
Chapter Exams and Quizzes	50%	С	70-79%		
Final Exam	30%	D	60-69%		
		F	Below 60%		
To page a student must earn at least a 60% on the final regardless of what the course average is					

To pass, a student must earn at least a 60% on the final regardless of what the course average is.

Homework, class work, and group projects will make up 20% of your grade.

Homework will be collected and graded. In order to get credit, work must be shown. It is due at the beginning of class. (If it is turned in during class or at the end of class, it is late.) Four assignments during the semester may be turned in late with no penalty. Any homework assignment can be corrected and turned back in to be re-graded. Only those problems that were incorrect, need to be redone. The corrections need to be done on a separate paper and turned in attached to the original the **next class period.** Corrections are worth 1/2 of their original worth.

<u>Class work and group projects are done in class</u>: they CAN NOT be made up unless prior arrangements have been made.

<u>Quizzes:</u> can not be made up. Quizzes will be given each Wednesday and will include material covered between quizzes.

<u>Exams</u>: There are four exams and at least ten quizzes (which equal an additional exam.) If more than 10 quizzes are given, the lowest grades will be dropped. (If 12 quizzes are given, the 2 lowest grades will be dropped.)

Note cards, books and graphing calculators are not allowed on the exams or quizzes.

<u>Make-up exams</u> If you miss an exam, contact me immediately. Make-up tests will be given in appropriate circumstances only.

IX. <u>Study Suggestions:</u>

*Read each section before the day it is to be covered in class.

*Learn important information with each section, rather than just before a test.

*Check your answers in the back of the book; rework the ones that you missed. Ask in class about the problems you are unable to solve.

*As you do your homework, do not rely on the examples to continuously get through the homework problems. *Study the examples before working the problems; close the book and do the problems on your own. Refer back if necessary, but NEVER do problems while staring at the example.

*Make an effort to do all of the homework. The more homework you do, the easier the problems will become.

*Get to know other students in class. Exchange phone numbers. Form a study group with other *classmates. If you get help at the Student Enrichment Center, use the help to better understand the concepts, **not to do the homework.**

*Use the Chapter Test and Review Exercises at the end of each chapter to study for exams. Rework problems from the quizzes and homework.

Wee	ek	Week Starting Sections	We	ek	Week Starting Sections
1	8/20	Review (Chapter R & 1)	10	10/22	3.6, 4.1
2	8/27	Review Continued	11	10/29	4.2, 4.3
3	9/3	Labor Day (No Class)	12	11/5	4.4
	9/5	2.1, 2.2			Exam 3
					11/9 last day to withdraw w/o approval (W/P,
					W/F required)
4	9/10	2.3, 2.4	13	11/12	5.3, 5.4
		9/14 last day to change grading options			
5	9/17	2.5, 7.1	14	11/19	5.5, 5.6
6	9/24	Exam 1	15	11/26	5.7, 5.8
		3.1			
7	10/1	3.2, 3.3, 3.4	16	12/3	7.6
					Exam 4
8	10/8	5.1, 5.2			12/7 Last day to withdraw with approval
			12/8-12/15		Final Exams Week
9	10/15	Exam 2			
		3.5			

X. Schedule: (Tentative)