



THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

Fall 2009 Syllabus

Course Title	Math for the Social Science I	Course #	MATH 1320 (CRN 13135)
Instructor	Amanda Liao	Credit Hrs	3
Office	Bell Hall 305	Term	Fall 2009, Aug 24 - Dec 3
Phone	747 - 6863	Meeting	T / TR 7:30 - 8:50 AM
Office Hours	M - TR 12:30 - 1:30 PM As well as by appointment	Location	LART 208
E-mail	Via WebAssign.	Emergency	yyuliao@gmail.com

Course Website : <http://www.math.utep.edu/classes/math1320/index.html>

Prerequisite Courses:

Students who scored 35-50 on the AccuPlacer Math Test, and who have not passed Math 0311 with a C or better, are permitted to enroll in Math 1320, if they are concurrently enrolled in an associated Math 0120 support lab. Attendance in Math 0120 is required. Students who either withdraw from the lab or are withdrawn by a Math 0120 instructor will also be withdrawn from this course.

Required Textbook

Finite Mathematics & Applied Calculus by Waner and Costenoble, 4th Edition. The nine-chapter single edition is for Math 1320 only. The fourteen-chapter combined edition is for students that will take both Math 1320 and Math 2301.

Course Objectives:

Math 1320 is a precalculus course for liberal arts, business, and other non-science majors. The topics covered include:

- Linear, quadratic, exponential and logarithmic functions;
- Systems of linear equations;
- Matrix algebra;
- The mathematics of finance;
- The algebra of sets; and
- Probability.

For more details of course objectives, go to

<http://www.math.utep.edu/classes/math1320/objectives.html>

Course Schedule: (Subject to Change)

Week	Dates	Sections Covered	Note
1	8/24-8/28	1.1 Functions – Algebraic Viewpoint 1.2 Functions – Graphical Viewpoint	
2	8/31 – 9/4	1.3 Linear Equations 1.4 Linear Models 1.5 Linear Regression	
3	9/7 – 9/11	1.5 Linear Regression 9.1 Quadratic Functions & Models	9/9 : The last day to drop the class without a “W”
4	9/14 – 9/18	9.2 Exponential Functions	9/17 : 1st Exam
5	9/21 – 9/25	9.3 Logarithmic Functions	
6	9/28 – 10/2	2.1 Systems of 2 Eqns/2 Unknowns 2.2 Using Matrices to Solve Systems	
7	10/5 – 10/9	2.3 Applications of Systems of Eqns 5.1 Simple Interest	
8	10/12 – 10/16	5.2 Compound Interest 5.3 Sinking Funds, Annuities and Loans	
9	10/19 – 10/23	5.3 Annuities and Loans	10/22 : 2nd Exam
10	10/26 – 10/30	6.1 Sets and Set Operations 6.2 Cardinality 6.3 Addition & Mult. Principles	10/30 : The last day to drop the class with a “W”
11	11/2 – 11/6	6.3 Addition & Mult. Principles 6.4 Permutation & Combinations	
12	11/9 – 11/13	7.1 Sample Spaces & Events 7.2 Est. & Theoretical Probabilities	
13	11/16 – 11/20	7.3 Properties of Prob. Distributions 7.4 Prob. & Counting Techniques 7.5 Conditional Probability	
14	11/23 – 11/27	7.5 Conditional Probability	11/24 : 3rd Exam 11/26 : No class
15	11/30 – 12/4	7.6 Bayes’ Theorem & Applications	
16	12/10, TR	Final Exam at 7:00 - 9:45 AM	Comprehensive

Course Activities/Assignments:

- Homework: Weekly submitted before each Monday midnight 12:00AM via WebAssign
- Quiz: will be given at the end of class on each Thursday
- Group presentation: Schedule it early at least one week advanced via e-mail; 10-15 mins

Assessment of Course Objectives:

- Homework: Via WebAssign or take home assignment
- Quiz: 1-2 problems; Usually 1 from the group presentation and 1 from in class examples
- Participation: Group presentation of homework problems on Thursday
- 3 in class exams: Not comprehensive
- Final exam: Comprehensive

Grading Policy:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

Homework (10%) + Quiz: (20%) + Participation (10%) + 3 in class exams (40%)
+ Final exam (20%) =100 %

* The lowest homework and quiz grades will be dropped.

* 3 in class exams : Lowest grade will be dropped; the other 2 exams, 20% each

Homework, Exam, and Quiz Policy:

- NO late homework is accepted.
- There are NO make-up exams and quizzes.
- Calculators can NOT be shared during quizzes and exams.
- Your answer has to be accurate and clear in order to get full points.
- If there is any suspected case or act of dishonesty during the quiz or exam, all involved students will be referred to Dean of Students for investigation and appropriate disposition.

Required Technology:

Graphing calculator (NO cellphone calculator), MS Excel (only use at home), and a WebAssign account.

WebAssign: <http://www.webassign.net/>

STEP 1: You must get an access code by either purchasing a new textbook, or purchasing an access code on the WebAssign website.

STEP 2: Sign up with our WebAssign course key. When first signing onto WebAssign, click on the red "Log In" button on the left hand side of the page. Then click "I have a Class Key." Enter this key: **utep 1408 5648**.

STEP 3: Follow the log-in instructions to create your own user id and password. For future log ins, use your user id and password (Use utep e-mail account ID & Password). It is important that you remember this information so you can log in for the remainder of the class.

Attendance Policy:

Attendance is essential for comprehension of course objectives. There is **NO** regular roll call taken and you will take your own responsibility for missing content from your classmates after class. *"Can't forget you only get what you give."* You are expected to arrive for class on time and to remain for the class entire period. It is essential to pay attention in class and take legible notes. It is essential to read the textbook and work through the example problems given in the book and class. Failure to accomplish the above, as a minimum almost invariably, ensures a less than satisfactory grade for this course.

Make-up Policy:

Make-up exams and quizzes will be given only in extraordinary circumstances, which must be documented as early as possible.

Civility Statement:

Cellphone, laptop, or any other electronic devices (which are not on the *Required Technology* list) are **NOT** allowed during class.

Academic Integrity Policy:

The University policy is that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. For further information, please refer to:

<http://academics.utep.edu/Default.aspx?tabid=23785>

Disabled Student Services:

If a student has or suspects he/she has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at <dss@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

Military Statement:

If you are a military student with the potential of being called to military service and/or training during the semester, please contact me by the end of the first week of class.