THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF Mathematical Sciences

Course #:	35769
Course Title:	Mathematics for the Social Sciences I (Math 1320)
Credit Hrs:	3
Term:	Summer I, 2017
Course Meetings & Location:	MTWRF, 9:20-11:30 AM Education Building 313
Prerequisite Courses:	Math 0311. In particular, students should be familiar with real numbers, exponents and radicals, multiplying and factoring algebraic expressions, rational expressions and solving equations.
Course Fee: (if applicable)	
Instructor:	Dr. B. D. Rouhani
Office Location:	Bell Hall 327
Contact Info:	Phone # 747-6767 E-mail address: behzad@utep.edu Fax # 747-6502 Emergency Contact
Office Hrs:	MW, 3:00-4:00 PM, and by appointment.
Textbook(s), Materials:	Required: *Finite Mathematics & Applied Calculus* by Waner and Costenoble, 6th 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. The textbook is required at all class meetings, and is intended to be read in full. Graphing calculator with capabilities equivalent at least to the TI-85. Suggested: (for more advanced and motivated students) Precalculus, by Larson and Hostetler.

Course Objectives (Learning Outcomes): 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.

Students will learn mathematical concepts and methods used in management, social science, and business. Students will develop the view that mathematics is an evolving discipline that is interrelated with human culture. Students will also understand the connections of mathematics to other disciplines.

Course Activities/Assignments: The class is a student run class. Therefore besides the core lecture, as well as the computer demonstrations, the instructor will regularly ask questions to students who are expected and strongly encouraged to actively participate in the group discussions that will follow.

The instructor will regularly assign homework. It is essential for your success in this class that you diligently work all the homework problems. Homework will include reading assignments, as well as group projects. Homework for each section is due the next class after we finish that section. Late homework is not accepted. Homework should be stapled at home.

It is expected that you spend an absolute minimum of six hours a week outside of class on solving homework problems, working on the lab assignments, reading the textbook and reviewing your class notes.

List of Homework problems:

Section Number	Problem Numbers
1.1	4, 9, 12, 14, 16, 18, 35
1.2	3, 7, 13, 27, 40
1.3	6, 9, 13, 22, 24, 32, 33, 36, 51, 55, 59, 65, 68, 74
1.4	9, 10, 13
9.1	1, 2, 7, 9, 10, 11, 12
9.2	13, 16, 17, 19, 20, 55, 59
9.3	7, 10, 12, 13, 15, 23, 25, 27, 32
3.1	1-6, 10-12, 14, 21, 46, 62-64
3.2	2, 6, 9, 13, 17, 22, 26, 33, 39, 42
3.3	2, 6, 11, 12
2.1	1, 3, 4, 7, 12, 43, 44, 46
2.2	1, 4, 9, 12, 15, 16, 18
2.3	1, 7, 16, 19, 27
6.1	6, 9, 14, 20, 22, 25, 26, 27, 29, 32, 35, 36, 40, 44, 47, 53, 61, 66, 73, 74
6.2	5, 8, 13, 15, 17, 18, 22, 27, 28, 31
6.3	2, 5, 7, 8, 19, 20
6.4	6, 10, 17, 18, 21, 27, 31, 35, 41, 46
7.1	3, 9, 11, 18, 19, 28, 30, 35, 45, 49
7.2	1, 11, 23, 24, 25, 28, 30
7.3	25, 26, 66, 69, 71, 75, 78, 81, 83, 85
7.4	1, 4, 10, 21, 25, 30, 31, 33, 34
7.5	3, 8, 11, 16, 17, 21, 27, 30, 31, 35, 37, 55
7.6	2, 5, 6, 8

Assessment of Course Objectives:

Besides the group class discussions and the homework assignments that were mentioned above, three tests will be given in class, and will count towards your final grade as explained below in the grading policy.

Although the group class discussions do not affect directly your final grade, however, actively participating in them will be considered when deciding about the final grades for the students on the border line (i.e. between C or D).

In addition, there will be a final comprehensive exam for this course.

Course Schedule: We will cover the following material according to the following tentative (subject to change) timeline:

Week of	Sections covered	Events
June 12-16	1.1-1.4, 9.1, 9.2 and review	Wednesday, June 14 is the last day to drop without "W".
June 19-23	9.3, 3.1-3.3, 2.1, 2.2 and review	Test #1 on Monday June 19, from material covered in week 1
June 26-30	2.3, 6.1-6.4 and review	Test #2 on Monday July 3, From material covered in week 2. Friday, June 30 is the last day to drop with an automatic "W".
July 3-7	7.1 – 7.6 and review	Test #3 on Monday July 3, from material covered in week 3. Tuesday July 4 is the Independence Day, No classes.
July 10	Final	Comprehensive Final exam is on Monday, July 10, at 10:00 AM in Education Building 313

(NOTE: Final exams must be given at the scheduled time; any/all exceptions must be approved by both the department chair and the dean.)

Notes: 1) The instructor will NOT assign a "W" for students dropping the course after the deadline.
2) Help: There is plenty of help available to you provided you are willing to take advantage of it. The **Tutoring and Learning Center**, located on the third floor of the UTEP Library, tel. 747-5366, offers free tutoring. Also, besides my office hours I will gladly meet with you on a drop in basis any time I am free to do so. Talk to me before or after class or by phone or by email to set up an appointment. Also, Online tutorials can be found here:
http://www.zweigmedia.com/finiteandcalc.html#UTEP
3) If a student is caught cheating on any quiz, test and/or exam, in particular by using a cell phone and/or a calculator, he/she will be assigned a grade of "F" for the entire course, and may be referred to the office of the Dean of Students as well, for further action.

Grading Policy: The usual grading scale will be used for this course (90 or above corresponds to an A, 80 to 89 is a B, 70 to 79 is a C, 60 to 69 is a D, below 60 is an F).
The final grade G will be calculated according to the following formula:
$G = Max\{(0.3)(T1+T2+T3) + (0.1) H, F\}$
Where T1, T2 and T3 are the corresponding grades for each test, H is the homework grade, and F is the final exam's grade.

Make-up Policy: Make-up tests or quizzes will only be given under extraordinary circumstances (as determined only by the instructor), and only if you notify the instructor prior to the exam date.

Attendance Policy:
- Attendance to all classes is required; late arrivals are not allowed; more than three consecutive absences without prior notice or justification will result in the student's drop from the class list with an "F".

Academic Integrity Policy: See UTEP's policy cited in
http://academics.utep.edu/Default.aspx?tabid=23785

Civility Statement: Active participation and teamwork is strongly encouraged; use of cell phone and talking during class, which results in the disruption of other students, are not allowed.

Disability Statement: **If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.**

Military Statement: If you are a military student with the potential of being called to military service and /or training during the course of the semester, you are encouraged to contact me as soon as possible.
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- ### *General remark:*

  If you have problems with the course material, need to be absent for a test, or have any other circumstance that may affect your performance in the course, contact me as soon as possible. I will do everything I can to enable you to succeed in this course and I expect you to be as diligent in your efforts as I am in mine.

  If you have any question, please send it to Dr. B.D. Rouhani via e-mail at behzad@utep.edu