Mathematics 1300

Course Number: Mathematics 1300
Descriptive Title: Contemporary Mathematics
Required text: ***Using and Understanding Mathematics: A Quantitative Approach***, 4th Edition
Authors: Jeffery O. Bennett and William L. Briggs
Prerequisite: Suitable score on the Mathematics Placement examination

About the course: This course is offered for students whose degree programs require no mathematics beyond the quantitative literacy intended in the Texas Tech general education mathematics and logical reasoning requirements. Topics include recognizing fallacies, propositions, sets, analyzing arguments, uncertainty, index numbers, deceiving with numbers, financial management exponential and linear growth, mathematics of politics, networks and scheduling problems.

Student Learning Outcomes: M1300 satisfies the university core curriculum requirement in Mathematics: "Students graduating from Texas Tech University should be able to demonstrate the ability to apply quantitative and logical skills to solve problems." It meets the following TTU general education student learning outcomes for mathematics that students will:

- apply arithmetic, algebra, geometry and statistics to solve problems
- represent and evaluate basic mathematical information numerically, graphically, and symbolically
- use mathematical and logical reasoning to evaluate the validity of an argument
- interpret mathematical models such as formulas, graphs, tables and schematics, and draw inference from them

In particular the student will:

- construct simple logical expressions and arguments
- evaluate simple algebraic expressions
- use linear and exponential models
- create multiple graphical representations of data
- compute compound interest, annuities and tax payments
- apply techniques of problem solving

General Course Outline:

Chapters 1 – 2: 9 hours
Chapters 3 – 4: 11 hours
Chapters 8 – 9: 8 hours
Chapters 12 – 13: 7 hours

Specific Course Information and Policies

Course Section:	M1300 022 (MyMathLab Couse ID: anderson83937)
Course Room/Time:	MA108 / T Th 8:00 – 9:30
Instructor:	Ronald C. Anderson
Office Hours:	11:00 – 12:00 T Th; 2:00 – 3:00 M T W Th; (and by appointment)
Office:	MA 117E / MA006 (CBCIS Lab)
Course Coordinator:	Dr. Magda Toda
E-mail:	ronald.c.anderson@ttu.edu

Assessment of Learning Outcomes: Your grade in mathematics 1300 will be determined by your performance on the following:

- Exams 45%
- Homework 20%
- Quizzes 15%
- Comprehensive Departmental Final Examination 20%

The grading scale for the course will be: **A** 100 – 90; **B** 89 – 80; **C** 79 – 70; **D** 69 – 60; **F** < 60

Homework: There will be weekly homework assignments given via MyMathLab.
Web Address: http://www.coursecompass.com/
There may be additional assignments at the instructor's discretion.

Quizzes: Unannounced quizzes on selected problems will be given throughout the semester. Your lowest quiz score will be dropped. Missing class on a day a quiz is administered will result in a score of zero for that quiz. No make-up quizzes will be given.

Examinations: There will be three (3) in-class examinations and one (1) comprehensive departmental final exam. There will be no make-up examinations. Failure to attend class on the day of an exam will result in a grade of zero for that examination. Your single lowest in-class exam grade will be replaced by your final exam score provided your final exam score is higher.

Class Attendance: Attending class is to your benefit since it will give you the opportunity to take notes and ask questions regarding course material. Failure to attend class on an exam or quiz day will result in a grade of zero (0) on that exam/quiz.

ADA Notification: Any student who because of a disability may require special arrangements in order to meet course requirements should contact the instructor as soon as possible to make those necessary arrangements. The student must present appropriate verification from Student Disability Services during the instructor's office hours. **Note that instructors are not permitted to provide accommodations to a student until appropriate verification from Student Disability Services has been provided.** Contact the Student Disability Services office at 335 West Hall (806.742.2405) for additional information.

Absence for Observance of Religious Holy Days: "Religious Holy Day" means a day observed by a religion whose places of worship are exempt from property taxation under Texas Tax Code section 11.20. A student who intends to observe a religious holy day should make that intention known to the instructor prior to the absence. Any student who is to be absent from class for the observance of a religious holy day should arrange with the instructor to make up the missed work. A student who is excused for a religious observance may not be penalized for that absence; however the instructor may respond appropriately should the student fail to complete the assigned work satisfactorily.

Academic Honesty: It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and a high standard of integrity. "Scholastic dishonesty" includes, but is not limited to, cheating; collusion; falsifying academic records; plagiarism; misrepresenting facts; and any other act intended to give unfair advantage to a student.

Classroom Civility: Students are expected to assist in the maintenance of an educationally conductive classroom. To ensure that all students benefit from their time spent in class, disruptive or disrespectful behavior will not be tolerated. Such behavior includes, but is not limited to, arriving to class late and/or leaving class early; reading newspapers and magazines; using cellular phones or PDAs; making offensive remarks or gestures; taunting the instructor or fellow class members; sleeping; or engaging in any other activity that would present a distraction to the class.

Campus Resources: There are several sources of help for this course on the Tech campus. Some of those are:

- **The Missouri Club** – This is a free tutorial service in MA 106 staffed by upper-level mathematics majors and minors.
- **Tutor Listing** – The mathematics department maintains in MA 201 a list of tutors-for-hire. Ask an on-duty staff member in MA 201 for a copy of that list.

Some Important Dates:

- **Wednesday, Sept. 10:** **last day for student initiated drop on the web**
  last day to drop a course and receive a full refund
- **Monday, Oct. 27:** last day to drop the course. **YOU MUST COMPLETE THE COURSE FOR A GRADE AFTER THIS DATE!**

Visit http://www.depts.ttu.edu/officialpublications/calendar/08-09calendar/08-09detailed.php for the most recent information.