PRACTICAL INFORMATION

Instructor:	Lars Winther Christensen
Office:	MA 251
Office hours:	MR 1:30–3:00 pm or by appointment
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MyMathLab course ID:	christensen31248
Course homepage:	www.math.ttu.edu/~lchriste/teaching.html

COURSE DESCRIPTION

The course is designed for a wide student body population. The course fulfills a set of learning objectives as established by the Texas Higher Education Coordinating Board for students whose major foundation is not a mathematical one. Topics include problem solving, logical statements and deductive reasoning, truth tables, personal finance management, appropriation and voting theory, as well as notions of elementary probability and statistics.

Required text: *Mathematics all around,* 5th edition, by Thomas L. Pirnot, Pearson (2013).

Prerequisites: B in MATH/TSI 0302, C in a college level math class, 3 on MPE, 610 on SATM, or 26 on ACTM.

Student learning outcomes: Math 1300 satisfies part of the university's core curriculum requirement in Mathematics. It meets the TTU general education student learning objectives for mathematics that students will:

- Apply arithmetic, algebraic, geometric, statistical, and logical reasoning to solve problems.
- Represent and evaluate basic mathematical and/or logical information numerically, graphically, and symbolically.
- Use mathematical and logical reasoning to evaluate the validity of an argument.
- Interpret mathematical and/or logical models such as formulas, graphs, tables, and schematics, and draw inference from them.

In particular the students will learn to :

- Apply techniques of problem solving, including estimation.
- Construct and evaluate simple logical expressions and arguments.
- Evaluate simple algebraic expressions.
- Create and evaluate graphical and statistical representations of data.
- Compute compound interest, annuities, and tax payments.
- Apply algorithms related to appropriation and voting.

LEARNING ASSESSMENT

Graded assessment is done through homework and exams. Other assessment techniques will also be used; these include discussions during office hours and quizzes. Additionally, problems will be assigned for student self-assessment. The homework problems will be assigned out of an online test bank; they will be chosen such that they facilitate the students' development of skills and understanding necessary to perform the operations listed above. Exam problems will be constructed such as to test if the students have achieved the general education learning objective listed above.

COURSE ORGANIZATION

In the 14 weeks of class, we will cover (in this order) sections 4.1–4.3, 3.1–3.5, 8.1–8.5, 10.1–10.3, 11.1–11.3, 13.1–13.4, 14.1–14.4, and 1.1–1.3. Exact reading assignments will be given in the weekly study guides which will be posted on Thursdays. Do not expect significant deviations from the Course Calendar.

Exams: Midterm and final exams take place on 15 Oct., 7:00–9:30 pm, and 4 Dec., 4:30–7:00 pm; both on the Tech campus in Lubbock. Students located more than 2 hours' drive from campus can take the exams elsewhere, provided that they can arrange for an approved proctor. This is done via the Proctor Approval Form; arrangements must be finalized 48 hours prior to the exam.

Other important dates:

Labor Day	7 Sep.
Last day to drop a course without penalty	9 Sep.
Last day to drop a course	26 Oct.
Last day to withdraw	24 Nov.
Thanksgiving	25–29 Nov.

ASSIGNMENTS, GRADES, AND GRADING

Homework will be assigned every week during the semester and is due on Mondays and Thursdays at Midnight, Central Time. All homework is assignmened and must be completed within www.MyMathLab.com. Results and grades are also posted in MyMathLab.

Grading policy: On exams, partial credit for correct steps will be awarded even if the final answer is wrong. Full credit will be given only if the final answer and all intermediate steps are correct. A correct final answer does not *per se* guarantee any credit.

Deadlines: Homework is not accepted after the deadline.

Final grade: Homework (20 assignments out of 25) and exams (2) are counted towards the final grade with weights as follows: Homework 40% (2% ea.) and exams 60% (30% ea.).

GENERAL POLICIES

Academic integrity: It is the aim of the faculty of TTU to foster a spirit of complete honesty and a high standard of integrity. Any attempt of students to present as their own any work that they have not honestly performed is regarded by faculty and administration as a serious offense and renders the offenders liable to serious consequences, possibly suspension. Please see more information on-line at www.depts.ttu.edu/studentjudicialprograms/academicinteg.php.

Religious holy days: You are allowed to take the time to travel and observe a religious holy day. Prior notice should be given at least one week before the absence.

Students with disabilities: 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 any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's hours. Please note: instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, you may contact the Student Disability Services office at 335 West Hall or 806-742-2405.