



Math 1351 – Fundamentals of Math II – FALL 2016

Instructor Information:

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Course Description: This course is designed to provide the prospective elementary/junior high school teacher with some background in geometry, probability, and statistics. This course is a requirement for the Associate of Arts in Teaching (AAT) degree. Pre-requisite: Math 1314 and Math 1350.

Course Topics: To successfully complete this course, you must master 70% of the following topics.

- Compute probabilities, odds, and expected values.
- Use permutations and combinations in computing probabilities.
- Organize data and represent the data with an appropriate statistical graph.
- Compute measures of central tendency and measures of variation.
- Use geometric terms to identify figures and relationships between figures.
- Make geometric constructions using only a compass and a straightedge.
- Graph and write equations of lines.
- Use both the customary English system and the metric system, and be able to carry out conversions within both systems.
- Compute linear measure, area, and volume.
- Know the Pythagorean Theorem and distance formula, and be able to use them in problem solving.

Required Materials/Supplies

- 3-ring binder, Pencils, Erasers, Graphing/Scientific Calculator.
- A Problem Solving Approach to Mathematics for Elementary School Teachers, 11th edition, by Billstein, Libeskind, & Lott.

ADA Policy: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, visit the Disability Services Office at Reese in building 8, or call 806-16-4675.

Equal Opportunity: South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability, or age.

Diversity: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Blackboard: Blackboard is an online course management system that SPC uses for course information. In Blackboard, you will find all course information. For technical support, call 806-716-2180 or email blackboard@southplainscollege.edu.

Attendance Policy: Attendance and effort are the most important activities for success in this course. If you are absent, it is your responsibility to see a classmate to get the assignment and notes. I will not teach the lesson to individual students because of an absence. **If you have 4 consecutive or 6 cumulative absences, you may be dropped from this class and receive an X or F at my discretion.**

Academic Integrity: It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. Please refer to the SPC Student Guide under “Student Misconduct” and “Academic Integrity” regarding consequences for cheating and plagiarism.

Communication: I will respond to all emails within 24 hours. Any emails sent after 12:00 noon on Friday will not receive a reply until Monday. Please adhere to the following guidelines when emailing me.

- Do not use text language in your emails.
- Sign your name to the bottom of EVERY email.
- Do not use ALL CAPS.

Participation grades: If you are absent on any day a participation grade is taken, you will receive a zero. One participation grade will be dropped at the end of the semester.

Homework over every section we cover will be turned in on test days.

Activities: There will be activities on a regular basis.

Quizzes: Quizzes will be given in MML.

Mini Teaching Presentations: Each student will prepare several mini lessons throughout the semester.

Lesson Plan: A detailed lesson plan will cover one lesson from the TEKS. Details can be found in Blackboard.

Tests: Dates for tests are located in the outline. If you are absent on the day a test is given, you will receive a zero for that test. **There are no make-up tests.** Tests are not dropped at the end of the semester.

Grading Scale and Policy:

Participation	20%	A:	90 – 100
Lesson Plan	20%	B:	80 – 89
Test 1	15%	C:	70 – 79
Test 2	15%	D:	60 – 69
Test 3	15%	F:	0 – 59
Test 4	15%		