Course #: Math 2304 (17124)

Course Title: Geometry and Measurement

Credit Hrs.: 3

Term: Fall 2009

Course Meeting & Location: TTh 12:00 - 1:20, Bell Hall 143

Prerequisite Courses: Successful completion of MATH 1320, and/or MATH 1508, and/or TCCN MATH 1314, and/or an equivalent course at another college or university.

Instructor: Greg Allison

Office Location: Bell Hall 144

Contact Information: grallison@utep.edu, 747 - 6773

Office Hours: M 11:00 - 1:00; T 10:00 - 12:00, 1:30 - 2:30; Th 1:30 - 2:30.

Textbook(s), Materials: Reconceptualizing Mathematics, by Sowder, Sowder, and Nickerson.

Course Objectives: The purpose of this course is to have prospective teachers working, in a cooperative environment, with much of the mathematics that they currently, and will in the future, communicate to students. Students in the course will master certain mathematical skills, and will, more importantly, deepen their conceptual understandings of elementary mathematics.

Course Activities/Assignments: Course activities will include classroom activities, out-of-class assignments, one project, four regular exams, and a final exam.

Assessment of Course Objectives: In-class activities and out-of class assignments will be assessed for completion. The project will be scored on
a rubric emphasizing complete, thoughtful, and correct responses to questions. Regular exams will be scored for correctness. It is expected that students will re-work, and re-submit, essays and incorrect exam answers. The final exam will be scored for correctness.

**Grading Policy:** Grades will be assigned on a standard scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
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<tbody>
<tr>
<td>A</td>
<td>&gt;89%</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89%</td>
</tr>
<tr>
<td>C</td>
<td>70% - 79%</td>
</tr>
<tr>
<td>D</td>
<td>60% - 69%</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 60%</td>
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</tbody>
</table>

Grades will be calculated using the following weights:

- Classwork: 10%
- Assignments: 10%
- Project: 20%
- Exam 1: 10%
- Exam 2: 10%
- Exam 3: 10%
- Exam 4: 10%
- Final Exam: 20%

**Make-up Policy:** Late assignments will not be accepted. Missed classwork will not be made up; it can be excused with sufficient documentation of the absence. Make-up exams will be given at the discretion of the instructor.

**Attendance Policy:** Attendance is expected and required. Tardiness and/or unexcused absences will result in poor classwork grades, leading to a low overall grade in the course.

**Academic Integrity Policy:** Acts of academic dishonesty will not be tolerated in this class. Lapses in academic integrity will be referred to the Dean of Students, as required at [http://academics.utep.edu/Default.aspx?tabid=23785](http://academics.utep.edu/Default.aspx?tabid=23785).

**Civility Statement:** This course requires positive behaviors: Be on time and be focused on your work. Please do not distract yourself or others with telephones or music.
Disability Statement: 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. Once this is done the instructor in this course will happily comply with all requirements.

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 it appears that your service will interfere with this course. The instructor will work with you to ensure that your service will not adversely affect your academic progress.

Course Schedule:

August 25 - September 3: Introduction and Chapter 16

September 8 - September 17: Chapter 17

September 22: Exam 1

September 24 - October 1: Chapter 18

October 6 - October 13: Chapter 20

October 15: Exam 2; Project due

October 20 - October 22: Chapter 23

October 27 - November 3: Chapter 24

November 5: Exam 3

November 10 - November 12: Chapter 25

November 17 - November 19: Chapter 26

December 1: Exam 4

December 3: Review

Final Exam, Tuesday, December 8, 1:00 - 3:45