

MA 241-Geometry for Middle School Teachers

Instructor: Tricia Muldoon

Meeting times: TR 4:00-5:15

Classroom: CB 214

Office Hours: 3:00-4:00 TR and by appointment

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Required Text: Geometry Connections, Mathematics for Middle School Teachers by John K. Beem

Participation, Attendance, and Homework

This is a discussion oriented class. You must be present to participate. Unexcused absences will lower your participation grade. Generally, we will begin the class with a group discussion question, or we will go over some homework problems. Most of the time, homework will not be collected and graded, but you should always be prepared to present your solutions in class.

Presentations

You will be divided into groups to give the presentations and assigned topics by the instructor. The presentations should be 8-10 minutes long. Each member of the group must speak. The presentations must utilize technology. The first presentation requires the use of geogebra. For the second presentation, you have a choice to use geogebra, google sketchup, wingeom, or other dynamic mathematics software. You are also welcome to use manipulatives, handouts, and the whiteboard during the presentation. One grade will be assigned for each group.

Exams

The exams will test your knowledge of the material and your ability to communicate that knowledge. There will be an essay question on each exam which will be provided in advance.

Excused Absences

If you miss an exam or a presentation and can provide a university approved excuse, you have one week from the dates of absence to contact the instructor and set up a time to make up the work. No exceptions. Excused absences will not lower your participation grade.

Extra Credit

There will be an opportunity for extra credit in the form of a writing assignment during the semester. This will be completely voluntary.

Cheating

Cheating will result in a grade of 0 for the assignment. Don't do it.

Grading

20% Participation and Homework

20% Presentations

18% Midterm Exam 1

18% Midterm Exam 2

24% Final Exam

Tentative Schedule

Aug. 28 – Sept. 11	Chapter 1
Sept. 16 – Sept. 30	Chapter 2
Oct. 2 & Oct. 7	First Set of Presentations
Oct. 9	Review
Oct. 14	Exam 1
Oct. 16 – Oct. 30	Chapter 3
Nov. 4	Election Day – no class
Nov. 6 – Nov. 18	Chapter 4
Nov. 21 & Nov. 25	Second Set of Presentations
Nov. 27	Thanksgiving – no class
Dec. 2	Review
Dec. 4	Exam 2
Dec. 9 & Dec. 11	Review
Dec. 16, 3:30pm	Final Exam

(I reserve the right to change this syllabus at any time for any reason.)