

Instructor: K. Dearinger

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Office Hours: MWF 10:20 – 11:20AM

Required Textbook and Manipulatives

- **Textbook:** *Geometric Structures – An Inquiry Based Approach for Prospective Elementary and Middle School Teachers* by Doug Aichele and John Wolfe. **You may NOT buy a used textbook.**
- **Manipulatives:** Scissors, compass, protractor, ruler, mira and calculator (mira is helpful, but optional)
- **A Three Ring Binder**

You should bring your textbook and manipulatives to every class.Grading

Four components will be used in determining your final course grade:

1. 3 Hour Exams (100 points each)	300 points
2. Daily Activities, homework, quizzes.	100 points
3. Journals	60 points
4. Projects	75 points
5. Final Exam (100 pts recorded twice)	<u>200 points</u>
Total Possible Points	<u>735 points</u>

Minimum total points needed for semester grade:

661 - A (90%)

588 - B (80%)

514 - C (70%)

441 - D (60%)

1. Hour Exams: A student shall be offered reasonable accommodation in the event that he or she misses a major assessment activity for a valid and documented reason. Three 100-point hour exams will be given during the semester. Dates for these exams will be announced in class at least two weeks before the exam date. **Absolutely no make-up exams** will be given for any reason. If one exam is missed, the score on the final will replace the missed exam score **ONLY IF YOU REQUEST AND OBTAIN APPROVAL FROM ME IN ADVANCE** of the exam and only for **very serious and unavoidable conflicts**. If this condition is not satisfied, a grade of zero will be recorded for the missed exam. If you must miss a second exam, it will be an automatic zero.

2. Daily Activities, Homework, Quizzes: A homework assignment (usually 5 or 6 activity pages) will be given for nearly every class. The assignment is due the following class period and some of the pages may be collected to be graded. That is, many of the assigned activity pages will be collected frequently. It is very important that you work the pages **before** coming to class for two reasons. First, some may be turned in for a grade and second, these activity pages will provide a basis for the discussions in class. In some classes, I will give a short quiz instead of collecting activity pages. Quizzes will be announced and unannounced. During the semester there will be **approximately 12** of these graded activity papers and/or quizzes. You **MUST** be present to turn these in. Each one will be worth 10 points and we will use your best 10 scores for your Homework/Quiz grade (100 points max). This means that if you miss an assignment, homework or quiz, it will be recorded as a zero and, hopefully, will be a grade that is dropped. Another daily activity will include teams being responsible for presenting and discussing, in detail, the work prepared for that day. Specific teams will be assigned to specific sections and the team is to decide which individual will present that section (eventually, EACH member of the team is expected to present at least twice). If your group has been assigned a specific section and nobody from your group is here to present that section, **one daily assignment (with the highest score) will receive an automatic zero which cannot be dropped.** In addition, if an individual in a team never presents, that person will receive an automatic zero on two daily assignments (with the highest scores) which cannot be dropped.

3. Journals: Each member of a study team is responsible to keep a journal in a three ring binder throughout the semester. These journals will be turned in **three times during the semester.....at each exam**. These journals will be worth **20 points each time** they are collected (for a total of 60 points). More on the specifics of these journals will follow.

4. Projects: There will be three projects due throughout the course of the semester. These projects will be announced in class and completed either individually or in study teams. Part of these projects will also include a journal kept by each student. **No late or make-up projects will be accepted.** These journals and projects will be discussed when they are assigned.

5. Final Exam: A 200 point, **comprehensive final exam** will be given. The date and time of the final exam is set by the University and cannot be changed. If you are in section 01 (TR 12:30), your final exam will be Tuesday, Dec 11 at 10:00 – 11:50 AM. If you are in section 02 (TR 2:00), your final exam will be Thursday, Dec 13 at 2 – 3:50 PM.

Missed Exams, Quizzes, Daily Activities, Journals

Absolutely no make-up exams, quizzes, or daily activities will be given regardless of the reason. Also, no late or make-up homework, daily activities or journals will be accepted. A **missed quiz, homework, or daily activity** will be one of the scores that *should* dropped. A **missed project or journal** will be an automatic zero. If one **exam is missed**, the percent on the final exam may be used to replace that score only if you request and obtain approval in advance of the exam and only for very serious and unavoidable conflicts. If this condition is not satisfied, a grade of zero will be recorded for the missed exam. If a second exam is missed, it will receive an automatic 0.

Attendance Score (BONUS): (50 points maximum): Attendance will be taken during each class session. As a future teacher, professionalism is expected; therefore, **attendance in this course is important and expected.** You must be fully participating in class to be considered present. Sleeping, reading the paper, texting, or otherwise not being fully participating in class will result in an absence. Do NOT come to class without your materials. Determining "full participation" will be left to the discretion of the teacher. Since this score is for "extra credit" only, there are no excused absences. Your attendance score is determined by your total days absent from class. The rules governing the attendance score are shown below.

1. You must be present for the **entire class** session in order to be counted as present. If you come in **more than three minutes late or leave early, you may be counted absent.**
2. You must **sign the roll** to be considered present. This is YOUR responsibility. Failure to sign the roll will result in an absence and cannot be disputed at a later date.
3. Because this score is for extra credit only, there are **no "excused" absences** for any reason, including university-sponsored activities and illness. **Please** do not bring notes or letters to excuse your absence.
4. The instructor has complete discretion in awarding attendance points. If you are sleeping during class, or are otherwise not participating in class (including texting, reading a paper, not contributing to your study group, etc.), you may be counted as absent. I expect you to be here and be fully engaged.
5. The **attendance score is optional** and is meant to reward students for good attendance. A low class attendance score (due to excessive absences) will **not lower** your overall grade. Usually **those with excessive absences do poorly** in the course and wish they had those points to help their grade!
6. You will be given 50 attendance points at the beginning of the semester. You will receive one "free" absence, with no points deducted. For each absence after that, you will have 3 points deducted from your attendance score.
7. If a person has no absences at all, three additional bonus points will be added to the 50 points for class attendance.

Replacing an Exam: You may replace the lowest of the first three exam scores or half of your final exam score, provided it improves your letter grade, with points awarded to you as follows. This will be done automatically by computer so you do not need to notify me concerning which exam grade you want to replace.

Half of your lowest exam score + Your attendance points = Exam Replacement Score

Example: John's lowest exam score is 59 and he has 2 absences. John's points are calculated as follows:

Half of John's lowest test score	30 (half of 59 is 29.5, rounded up to 30)
Attendance points	47 (first absence is "free", so $50 - 3 \cdot 1 = 47$)
Total	77

John's lowest exam score of 59 will be replaced with a score of 77.

General Comments

This course is intended primarily for elementary education and early childhood education majors. The course is no longer an upper division A-designated General Education course. If you are enrolled in this course and your major is not one of the above, you should check with your advisor as soon as possible to verify that you will receive credit for this course for your major and/or degree and find a course more appropriate for your major.

This class will not be a typical lecture-style learning experience; instead, students will be asked to discuss problems and their solutions with each other in order to understand the concepts involved. Because this course is highly dependent on classroom involvement, your effort, creativity, and involvement will determine how much you get out of the course.

This course is intended to model the National Council of Teachers of Mathematics (NCTM) Curriculum Standards and NCTM Professional Standards. It is in this sense that we consider the course to be "inquiry-based." Read Appendix I and Pages *xi-xiii* in your textbook to better understand what this means.

Study Teams

After the first class period, you will be placed in a study team. It is expected that your study team will not only work together on projects, but also discuss and collaborate on the assignments which will be assigned for each class. Throughout the semester, your study team will serve as a key resource towards understanding the course material. In fact, certain projects will be team projects and a portion of your grade on the project will be determined by how well your team works together. It is your responsibility to see that all members of the team contribute their fair share. However, it is still essential that all work you present to the instructor is "your own." Work which is copied from a classmate is considered academic misconduct and will be treated as such.

The class is to be driven by student-to-student discussion of mathematical ideas. For this reason, any questions related to subject matter should first be brought up to your study team and then to other study teams and the class as a whole. *The instructor will not be addressing questions which were not presented to other class members first.*

Student Class Number

When the drop and add period is over and the roll is official, each student will be assigned a Student Class Number. This will be a sequential number indicating your alphabetical order in the class. This number is extremely helpful to me in sorting and organizing your papers and recording grades. Once this number is assigned, you should **remember it and put it on all your papers, (including homework, tests, quizzes, projects, etc), circled in the upper right hand corner.**

Cell Phones. Turn cell phones off during class. Cell phones are **not allowed out at any time** during class except under unusual circumstances and only when cleared in advance by the instructor. Cell phones may NOT be used as calculators.

E-mail Guidelines

My e-mail address is listed on Page 1. Please use the following guidelines when you send me an e-mail:

- All e-mails (that you want read) should have on the **Subject Line: Your name and when the class meets.**
Ex: Jane Doe, TR 2:00
- All issues involving grades must be discussed in person in my office, NOT by email.
- E-mails asking questions already answered in the syllabus will not be responded to.

University Policies

- All OSU policies and procedures will be followed in this course. It is your responsibility to know and comply with all OSU policies and deadlines. See the syllabus attachment at <http://academicaffairs.okstate.edu/faculty-a-staff/46-syllabus-attachment> for more information.
- Plagiarism, cheating on exams, quizzes and projects, and other such actions constitute academic misconduct and/or dishonesty. In this course students are expected to demonstrate complete integrity at all times. Read the University policies on academic integrity, misconduct and dishonesty at the OSU website: <http://academicintegrity.okstate.edu/>.

Special Accommodations for Students

If any member of this class feels that he/she has a disability and needs special accommodations, I will work with you and the Office of Disabled Student Services to provide reasonable accommodations to ensure that you have a fair opportunity to perform in the class. Please advise me of such disability and the desired accommodations as soon as possible.

Important Class Rules / Policies

- 1. Absolutely no make-up exams, quizzes or assignments will be given. No late work may be turned in. See the previous information under Missed Exams.**
- 2. Absolutely no excused absences will be granted, regardless of the reason (remember....attendance counts as bonus).** This policy will be firmly applied with no exceptions. Sickness, accidents, emergencies, personal/family issues, funerals, weddings, job interviews, semester break plans, requirements for another course, and even University-sponsored / approved absences are all not accepted. Points that enhance your grade by attendance cannot be given for a student who is not here.
- 3. Semester grades are not negotiable.** Course grades will be assigned based solely on total points earned in the course subject to the Attendance Policy. Course grades will be firmly and equitably assigned with no curving. Minimum total points needed are 607-A (90%), 540-B (80%), 472-C (70%), 405-D (60%).

Any changes in this syllabus will be communicated to you in class by the instructor.