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Office Hours: via Zoom (*Just email to set up a Zoom appointment*)

Materials: *Elementary Geometry for College Students (6th Edition)* by Alexander and Koeberlein
 ISBN-13: 978-1-285-19569-8
 You should have access to the etext on day one because of the Inclusive Access program

Also, you will need a ruler and compass for constructions!

Course Topics:

This course includes an exploration of plane, coordinate, and transformational geometry. Students will develop an understanding of mathematical structure, method, and application while exploring topics such as axiomatic systems, constructions, and transformations. The course is designed to help students pass the geometry portion of the NES Exam and prepare them to be comfortable teaching middle-level geometry.

Grading:

Written HW Sets	10%
Geogebra Assignments	10%
Worksheets	15%
Midterm 1	20%
Midterm 2	20%
Final exam	25%

The following grading scale will be used:

A	93-100%	C	73-78
A-	90-93	C-	70-73
B+	87-90	D+	67-70
B	83-87	D	60-67
B-	80-83	F	0-60
C+	77-80		

Exams

There will be 2 midterm exams spaced evenly throughout the quarter, as well as a final exam. Midterm exams will be posted on canvas and due 90 minutes later. You are responsible for printing out the exam, completing it, and scanning/emailing it back to me. Exams are open-note and calculators are allowed. Makeup exams will be given only for legitimate *documentable* reasons. If, for some legitimate reason, you cannot complete an exam on the day it is given, please contact me *ahead of time*.

When completing exams, I expect you to **not** work with any other human beings or consult the internet for solutions. Clear evidence of doing this will result in a zero for that exam problem and possibly the entire exam. If supporting work is missing on a particular problem, I may ask you to set up a Zoom appointment with me to explain your reasoning in order to get credit on that problem.

Written Homework Sets

Each week, a written homework set will be posted on Canvas and will be due the following Wednesday. These problems will come from the textbook. Show enough work so that your reasoning is obvious. You will scan the HW and submit it via Canvas.

Geogebra Assignments

Geogebra is a free online geometry app. Geogebra Assignments will require you to create a Geogebra activity and then share the link.

Worksheets

Typically, you will have several worksheets to complete each week. On some of the more challenging worksheets, you will work with a partner. To receive full credit, you must convince me that you have put in appropriate effort. This does not necessarily mean that you must answer every question perfectly. It does mean that you have detailed explanations, reasoning, and supporting work when appropriate so that I can see what you were thinking. It also means that you have reached out to me via email rather than writing, “I got stuck,” or “I’m confused,” for a response. You are welcome to collaborate with peers on worksheets. However, do not copy someone else’s work verbatim. Identical work will receive no credit. If something seems off on a worksheet, I may ask you to set up a Zoom appointment with me to explain your reasoning in order to get credit on that problem.

Structure of the Course

Each week will typically contain two Canvas modules to work through. The first module’s assignments will be due by **Wednesday** of the week. The second module’s assignments will be due by **Friday** of that week. However, you are welcome (and strongly encouraged) to work ahead and complete the modules before these days. The written HW assignments will be due by Wednesday of the *following* week.

Late work will be accepted up until 24 hours later for half-credit maximum. Please note that these deadlines are firm. Submitting work even a single minute late will result in the late penalty. Extreme and *documentable* circumstances (e.g. death of a loved one, diagnosis of an illness) qualify as exceptions. Unexpected events in the final hour before the deadline (e.g. tech issues, slow upload speed) do not qualify for an exception. Do *not* wait until the final hour to complete assignments.

The video lectures and worksheets are asynchronous—you can complete them at whatever time is convenient for you (you don’t have to be logged into Canvas at an exact time). The exams in this course will be synchronous—you must complete them within a certain, specific time window.

When you scan HW Quizzes or Exams back to me, they must be sent as a single PDF document. Files sent via multiple documents or with upside-down pages will receive a deduction. If you don’t have a traditional scanner, there are free phone apps that can convert pictures into a single PDF document. Popular options include Cam Scanner, Microsoft Office Lens or Adobe Scan.

Ways to Get Additional Help:

- Office hours. Don't be afraid to email for a Zoom office hour appointment. I'm here to help you. Working with students is the best part of the job.
 - Khan Academy. <https://www.khanacademy.org/math/geometry-home> They have lots of helpful geometry videos that may be just what you need.
 - CWU Tutoring. CWU offers free math tutoring. To book a free appointment with a tutor, visit: <https://www.cwu.edu/academic-success/schedule-appointment>
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Official CWU Policies:

Cheating will not be tolerated. Cheating will result in a zero grade for the exam and possibly a failing grade for the course. See the CWU Academic Dishonesty statement for more info: <https://www.cwu.edu/resources-reports/cwup-5-90-0104-academic-dishonesty>

Accommodations are available for students with disabilities. Students who wish to arrange for academic adjustments in this class are encouraged to provide me with a copy of their Confirmation of Eligibility for Academic Adjustments and meet with me as soon as possible to discuss their needs and the manner in which their accommodations will be delivered. Reasonable accommodations are also available for students who, due to the observance of religious holidays, expect to be absent or endure a significant hardship during certain days of the course or program. To receive accommodations for religious holidays, please contact me within the first 2 weeks of the quarter.

Sexual Harassment is not tolerated. You are entitled to a safe and inclusive learning environment where you are treated with dignity and respect. Title IX considers sexual harassment to be a form of discrimination. If you experience sexual harassment, or know someone who is being sexually harassed, you are encouraged to report concerns to me, another faculty member or employee, or to Staci Sleigh-Layman, Title IX Coordinator, at 509-963-1256, staci@cwu.edu. For more information about CWU's sexual harassment policies, refer to <https://www.cwu.edu/hr/reporting-sexual-misconduct>.