

MATH 30 • Plane Geometry
CRN: 10731 • MW 8:15 – 10:20 AM
Fall 2017 Syllabus

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Required Materials:

Text: Alexander/Koerberlein, *Elementary Geometry, Sixth Edition, published by CENGAGE Learning*, ISBN-13: 978-1285195698
Paper: All graded work must be done on 8.5 x 11 in., 8 x 11 in., or A4 size paper. Work done on other sizes or spiral notebook paper will not be graded.
Other: Scientific calculator, a straightedge, a compass, and a protractor (optional).

Course Description: This course covers limits and continuity, differentiation of algebraic, transcendental and inverse functions, applications of differentiation, anti-derivatives and indefinite integrals, and the definite integral. Graphing calculators or related software may be used for selected topics.

Prerequisite: MATH 020 F Elementary Algebra with a grade of C or better or math skills clearance.

Student Learning Outcomes: 1) Write a geometric proof using definitions, postulates, theorems and corollaries of Euclidean Geometry. 2) Create a basic geometric construction. 3) Use arithmetic operations and algebraic properties to solve problems involving geometric figures and formulas.

What to Expect: As this course progresses, your goal should not be limited to learning the material covered. You should also work to strengthen your ability to use logical thought and deductive reasoning. For some students, this will come naturally while others may need to work harder. Although this class is listed in the catalog as 4 hours per week, you should plan on devoting at least 7 to 10 hours each week with additional time spent before each exam. Setting a regular schedule to work on course work outside of class will prove to be very successful. If possible, try to meet with other students in the class to work on homework together. **Most students underestimate how challenging Math 30 can be.**

Contacting Me: The best way to contact me outside of office hours is by using email. My office hours are **Monday, 7:35-8:05 AM and 12:45-1:45 PM, Tuesday 11:45-1:45 PM, Wednesday 7:05-8:05 AM, Thursday 11:45-12:45 PM.**

Homework: I will assign and collect homework daily. Please read my homework guide on my website. **Late homework will NOT be accepted.** Your homework must be neat and organized, showing the original problem and all of the necessary work. Your final answer should be circled, boxed or highlighted. Disorganized and/or messy assignments with misleading information or correct answers that “magically” appear from incorrect work will receive no credit. Each section will be graded on a 5-point scale based on completeness. I encourage you to discuss the homework with classmates, however you will be on your own during exams and quizzes, and the homework is designed to be preparation for these situations.

Quizzes: Quizzes consisting of problems from the homework will be given daily. **There will be NO make-ups.** If you are not in class during the time we take the quiz, you will receive a zero on the quiz and you will not be able to make it up. Please try to make it to class on time.

Exams: There will be 4 exams during the semester and one comprehensive final exam. Tests must be taken on the designated date. **Make-up tests will not be given.** In the event that it will help your grade, you may replace your lowest test score* with your score on the final exam.

Grades: Your semester grade will be determined using the following scale, rounded to the nearest percent. A: 90 – 100%, B: 80 – 89%, C: 70 – 79%, D: 60 – 69%, F: Less than 60%.

If your adjusted test average (your test average after replacing your lowest test score with your score on the final exam) is less than 70% at the end of the semester, your grade will be equal to your adjusted test average. In other words, to earn a C grade or higher, you must finish with a test average of a C or higher.

If your adjusted test average is 70% or greater, your grade will be determined using the following scale:

Homework	10%
Quizzes	10%
Tests	60%
Final Exam	20%

Calculators: A scientific calculator may be required on some quizzes and tests. If you do not have a calculator at the time of the quiz/test, you may NOT share one with a classmate. You may not use your cell phone calculator on quizzes or tests. Graphing calculators are not allowed on quizzes and tests.

Student Honesty Policy: Cheating at the college level is a very serious offense. If I observe you cheating on any test or quiz, after the first incident you will receive a zero and a warning. If there is a second incident, you will receive another zero and the college administration will be contacted. A zero score on an exam that is the result of cheating will not be replaced by the final exam score.

Attendance: Attendance will be taken each class meeting. If you are absent for three days during the semester and you do not contact me, you will be **dropped from the course.**

Fullerton College Policies: The Fullerton College Catalog and the Class Schedule contain a number of policies relating to students that are important to you. Please be sure that you have read these publications thoroughly. You may purchase copies of these publications at the campus bookstore, or you may read them online at the Fullerton College website, www.fullcoll.edu.

*If you receive a zero on an exam for cheating, you may not replace that score with your score on the final exam