

MAT 3000 Geometry 2

Spring 2024

SCHEDULE: Period 1-3

Office: WA147

8:00-9:15 T/Th

Phone: 285-7420

Ms. Jessica Edrington

Burris 219

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Office Hours:

Mondays: 10am – 11:45am; 2pm – 5pm

Wednesdays: 10am – 11:45am; 2pm – 5pm

Thursdays: 9:30am – 11:45am

Fridays: 10am – 11:45am; 1pm – 2pm

and by appointment

I will also be available by email until 10pm most evenings.

Any changes to these hours will be posted outside my office door and/or as a Canvas announcement.

DESCRIPTION: This course is the first of a two-semester sequence which covers the critical areas of Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. As part of the study of these topics, we will also consider how different cultures have contributed to and approached many of these areas.

COURSE CONTENT:

Chapter 6	Quadrilaterals	6-1 – 6-6
Chapter 7	Proportions and Similarity	7-1 – 7-7
Chapter 8	Right Triangles and Trigonometry	8-1 – 8-5
Chapter 9	Transformations and Symmetry	9-1 – 9-6
Chapter 10	Circles	10-1 – 10-4
Chapter 11	Areas of Polygons and Circles	11-1 – 11-4

TEXT: *Geometry*, 2018, McGraw Hill, ISBN 9780076639298.

CALCULATOR: The TI-84 Plus calculator will be used in this course. The TI-83 and TI-83 Plus calculators are similar. Use of TI-89, TI-92 and other symbolic algebra calculators will not be allowed for exams and quizzes in this course.

LAPTOPS: The use of technology is limited to that which will enhance the learning process. Use of laptops is permitted as long as it is not distracting from what is transpiring in the classroom. Use of a laptop or other device may be necessary for online-learning days.

METHODS OF STUDENT EVALUATION:

Exams: At the end of each chapter or couple of chapters, there will be an exam covering that material. Dates will be announced at least one week in advance. Exams *may* have calculator and no-calculator sections.

Quizzes: Expect quizzes on a near weekly basis that will cover material discussed the previous two weeks in class. Depending on the number of quizzes, I will drop up to the lowest three scores from consideration for the overall quiz grade.

Projects: Students will be given several options to choose from to in completing end of semester projects. The projects will require students to apply concepts from the semester, and students may choose one project to work on in a group. Rubrics for the projects will be provided so that expectations are clearly defined.

Homework: For nearly every section, there will be a homework assignment. For each section, students will be expected to complete a short homework quiz over that assignment on Canvas. Deadlines for these homework quizzes will be given in Canvas, on the calendar and in the announcements.

Late Homework: One late homework quiz will be accepted with no penalty up to class time the next day. (Saturday and Sunday don't count; *Mondays, Wednesdays, and Fridays do!*) Subsequent late assignments will be accepted for up to 70% credit. (Excused absences are not subject to late penalty – see your student handbook for school policy.).

Final Exam: A comprehensive final exam will be given during the week of May 6th. As the final exam is cumulative, its score will replace any lower midterm exam scores throughout the semester.

Grading: Course grade will be determined on A through D* scale with these weights:

Exams	50%
Quizzes	10%
Projects	10%
Homework	10%
Final Exam	20%

Grade scale: Will be given on each exam. Quiz and homework scales will be established at midterm and end of semester. Approximate final scale:

90 A, 86 A-, 82 B+, 78 B, 74 B-, 70 C+, 66 C, 62 C-, below 62 D*.

The final scale may be lower, but not higher. For example, a final average of 74% will result in a grade of at least B-.

ACADEMIC INTEGRITY POLICY: As a firm believer that grades should reflect learning, academic integrity is paramount to the academic experience. Please review the Academy's Academic Integrity policy as it will be strictly adhered to in my class.

Examples of behavior subject to review under the Academic Integrity policy include, but are not limited to:

- 1, Copying someone's work and turning it in as one's own
- 2, Use of aids and/or other materials on quizzes and exams without expressed permission.
- 3, Use of calculators when explicitly forbidden to do so.
- 4, Copying another person's work or answers on a quiz or exam.
5. Giving information about the content of quizzes or exams to students yet to take the test.

I encourage you to work in groups when doing the homework assignments as much can be learned from your peers that you may not always pick up in class. However, each individual is required to turn in work in their own handwriting accompanied by the requisite work shown to receive full credit. If you have any questions about what constitutes cheating, please come to see me. In order to preserve the credibility of all students' grades, I encourage you to tell me if you observe violations of the integrity policy.

Artificial intelligence (AI) provides exciting new tools for academic work. It is appropriate to use AI to explore solutions and to discover methods of approaching problems in homework situations. In such cases, AI should be a learning tool that increases and supports understanding. AI also poses significant dangers for academic integrity. Passing off as your own any research, words, ideas, work, or solutions which you did not create is plagiarism. Whether the source is print, internet content, or generated by AI, copying work from outside resources, and presenting it as your original work is not allowed. Use of AI should be documented.

CLASS ATTENDANCE POLICY: Students are expected to attend every class and be on time. Academy policies on attendance and tardiness will be followed. Sleeping in class constitutes an unexcused absence. Being late more than 10 minutes is recorded as Absent. In the event of unexcused absences, make-up homework will not be allowed; quizzes or exams can be made up with up to a one-letter-grade deduction. For an excused absence, assignments due that day are expected by class time the next day (not the next class day). Absence from a prior class will **not** allow the student to defer a scheduled quiz or exam.

CELL PHONES: Cell phones and other mobile devices should not be accessed or visible in the classroom unless you are using it as a tool to take notes. Be sure to disable device so that it will not ring, buzz, shake, or otherwise interrupt class. Enjoy the text-free hour.

EATING IN CLASS: Eating, drinking, and chewing gum is not allowed in the classroom. Students are allowed to have a water bottle if desired.

METHODS OF COURSE EVALUATION: Evaluation, including student evaluation of the course, will be conducted according to Academy policy.

Ball State University aspires to be a university that attracts and retains a diverse faculty, staff, and student body. We are committed to ensuring that all members of the community are welcome, through valuing the various experiences and worldviews represented at Ball State and among those we serve. We promote a culture of respect and civil discourse as expressed in our Beneficence Pledge and through university resources found at <http://cms.bsu.edu/campuslife/multiculturalcenter>.