

## MAT 2999 Geometry 1

Fall 2024

SCHEDULE: Period 13-15

2:00-3:15 TTh

Office: WA147

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Ms. Jessica Edrington

Burris 202

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Office Hours: M: 9-10am, 2-4pm

T: 3:30-5pm

W: 9-10am, 2-5pm

Th: 9-11am

F: 9-10am, 2-3pm **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 0	Preparing for Geometry	0-1 – 0-9
Chapter 1	Tools of Geometry	1-1 – 1-7
Chapter 2	Reasoning and Proof	2-1 – 2-8
Chapter 3	Parallel and Perpendicular Lines	3-1 – 3-6
Chapter 4	Congruent Triangles	4-1 – 4-8

**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:

- Students who have a planned absence are responsible for scheduling make-up times for missed quizzes and/or tests. This should be done ahead of time and can be arranged by email or in person.
- Students who are unexpectedly absent from class on the day of a quiz or test should either email the instructor or speak directly to the instructor immediately upon return to class to schedule a make-up time for the missed assessment. Quizzes may NOT be made up for unexcused absences. Tests may be made up for unexcused absences, but a penalty may be levied.

**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 either submit a digital scan of this assignment or complete a short homework quiz over that assignment on Canvas. These assignments or quizzes will usually be due at the beginning of the second class after the homework set is assigned.

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 – with 10% being deducted each school day late. (Excused absences are not subject to late penalty – see your student handbook for school policy.). Requests for extensions will be considered on a case-by-case basis, and should be made before an assignment is due.

Final Exam: A comprehensive final exam will be given during the designated exam week. 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.

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.

It is the policy of the Indiana Academy that any absence from class is unexcused, except for illness, death in the family, college or school-related activities, and extenuating circumstances. When a student is absent from a class, the instructor reports the student absence to the Faculty Attendance Coordinator in the Office

of Academic Affairs. Unless the absence is excused by a school official, it is considered unexcused. The decision as to whether an absence is excused is not determined by the instructor. Four or more unexcused absences in any particular class a student takes will lead to academic and residential consequences to be determined by the Office of Academic Affairs and the Office of Residential Life that may include detention, residential groundings, parent/principal conference, among others.

**CELL PHONES AND OTHER WIRELESS DEVICES:** Pursuant to Indiana Code 20-26-5-40.7, The Indiana Academy for Science, Mathematics and Humanities prohibits student use of wireless communication devices for non-instructional purposes in the classroom. As such, any and all portable wireless devices, that have the capability to provide voice, messaging, or other data communication between two or more parties, must only be used for academic purposes directly tied to the classroom activity or related educational task. Exceptions to this wireless device policy are eligible through academic accommodations, individualized education programs, or with instructor approval permitting the use of a wireless device for justification related to health, safety, and/or well-being. The improper use of a wireless device in an active classroom setting is subject to disciplinary action including but not limited to; a verbal warning, temporary seizure of said device by a school official, an unexcused absence for the class in question, written communication to parent/guardian, among other elevated consequences for repeated improper use.

**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. As a reflection of Ball State's commitment to respect, civil discourse, and the Beneficence Pledge, Inclusive Excellence at the Indiana Academy emerges as one of the priorities of our living and learning community. We strive to exist together respectfully and compassionately, creating an environment where every member can thrive. Unfortunately, there might be occasions when something occurs that disrupts our progress toward meeting these objectives. In this case, we encourage any member of the Academy community to file a Campus Climate Report (CCR) [https://bsu.qualtrics.com/jfe/form/SV\\_6mbRbL5acAntUTI](https://bsu.qualtrics.com/jfe/form/SV_6mbRbL5acAntUTI). All reports will be taken seriously, and appropriate responses will be carried out by Academy administration.