

MAT 3002 Advanced Algebra/Trigonometry 2

Spring 2020

SCHEDULE: Period 5-6

10:00- 10:50 MWF

Ms. Jessica Edrington

Burris 219

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Office Hours: MWF 9:00 – 9:45
Tuesday 10:00 – 2:00, (1:00-2:00 on alternate weeks)
Thursday 10:00 – 11:50, 1:00-2:00 (afternoon on alternate weeks)
WF 2:00- 4:00 **and by appointment.**

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

Any changes to these hours will be posted outside office door.

DESCRIPTION: This course is the second of a two-semester sequence which covers topics that include solutions of systems of equations and inequalities, simplifying algebraic expressions, radicals, polynomial, exponential and logarithmic functions, circular and trigonometric functions including trigonometric identities and the trigonometry of right triangles.

COURSE CONTENT:

Chapter 4	Conic Sections	4.3 – 4.4
Chapter 5	Exponential and Logarithmic Functions	5.1 – 5.5
Chapter 9	Systems of Equations and Inequalities	9.1 – 9.3, 9.5 – 9.6
Chapter 6	Trigonometry	6.1 – 6.7
Chapter 7	Analytic Trigonometry	7.1 – 7.2

TEXT: Larson, *Algebra & Trig*, 2018, Cengage Learning, ISBN 978-1-337-27117-2.

CALCULATOR: The TI-84 Plus calculator will be used extensively 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.

METHODS OF STUDENT EVALUATION:

Exams: There will be 4 exams during the semester. Dates will be announced one week in advance. Exams may have calculator and no-calculator sections.

Quizzes: There will be at least 10 short (15-minute at most) quizzes, given with or without notice during the semester.

Homework: Homework will be assigned each class period, due at the beginning of the next class. Some assignments will be collected; these will not be designated in advance. Collected assignments will be checked or graded. Assignment specifics and due dates will be posted on Canvas.

Late Homework: One late assignment will be accepted with no penalty up to class time the next day. (Saturday and Sunday don't count; *Tuesday and Thursday 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 designated time period the week of May 4-8.

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

Exams	60%
Quizzes	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, quizzes, or exams will not be allowed. 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. 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. Water is permitted.

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>.