

# Pre-Calculus Spring 2023

Day/ Time: MWF Periods 1-2, 3-4, 9-10, 11-12  
Instructor: Dr. Michael R. Pilla  
Email: [michael.pilla@bsu.edu](mailto:michael.pilla@bsu.edu)  
Office Hours: MTWF 2:30-5:00 or by appointment.

Classroom: BU 203  
Office: WA 151  
Phone Number: (765) 285-7401

## Required Text and Materials:

- *PRECALCULUS* (Tenth Edition); by Sullivan and Sullivan; Pearson.
- Graphing Calculator (TI-83+, TI-84, TI-Nspire, or similar preferred)

## Content:

The content for this semester deals with exponential functions, logarithmic functions, applications as well as trigonometric functions, their properties, and their applications.

## Grading:

Grades for the course and assignments are assigned by the following percentages:

100-92.5 — A	92.5-89.5 — A-	
89.5-87.5 — B+	87.5-82.5 — B	82.5-79.5 — B-
79.5-77.5 — C+	77.5-72.5 — C	72.5-69.5 — C-
<69.5 — D*		

The final grade in the course will be determined by the following factors:

Homework:	10 %
Quizzes:	10 %
Midterm exams:	60% (15% each)
Final Exam:	20%

## Assignments:

### Homework

For nearly every section, there will be a homework assignment. Homework will be collected at the beginning of class on a regular basis and checked for completeness, accuracy, or both. Generally, it will be collected two class periods after it is assigned. Homework should be labeled clearly and completed neatly. Late assignments will not be accepted. However, each student will have exactly one coupon to miss a homework assignment without penalty.

### Quizzes

There will be short quizzes nearly every week over the material covered the previous week with problems similar to homework questions. Depending on the number of quizzes, I will drop up to the lowest two quiz scores from consideration for the overall quiz grade.

## Exams

At the end of each chapter or couple of chapters, there will be a midterm exam covering that material. The exams will not be cumulative in the sense you will see questions directly from previous test material, but mathematics is cumulative so that you may need to apply knowledge from previous test material in order to solve new problems.

## Final Exam

A comprehensive final exam will be given during the designated time period the week of December 12-16. The final exam will replace your lowest midterm exam score, provided it would improve your grade. (It will only replace **one** of your midterm exam scores, so be sure to prepare adequately for each exam!)

## **Academic Integrity:**

Academic dishonesty in any form will not be tolerated. The student is responsible for knowing the policies and consequences as stated in the Academy handbook. For this course, students should be aware of the following ways in which these policies specifically apply:

- Cooperative group work on homework assignments is appropriate and is encouraged, but simple copying of an assignment from another or allowing another to copy your homework without collaboration is not acceptable.
- Copying work from outside resources and presenting it as your original work is also not acceptable.
- Additionally, exchanging ANY information about the content of quizzes or tests with students yet to take the exam or solicitation of such information is a severe violation of academic honesty standards.
- In quiz or test situations, calculators or other materials should not be used unless the instructor expressly communicates that it is allowed on that section of a quiz or test.

If you have any questions regarding 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.

## **Technology:**

The use of technology is limited to that which will enhance the learning process. Your laptops, cell phones, and other internet-ready devices should be closed/turned off, and put away, or flat on your desk being used as a notebook during class time unless given permission by the instructor for a specific class period. You will be expected to bring your graphing calculator to class every day and can use it on the majority of homework and quiz assignments. However, there will be instances where calculators are not allowed, but you will be informed in advance when these times occur.

## **Attendance:**

- Promptness and attendance are expected. Academy policies on attendance/tardiness will be followed. Sleeping in class constitutes an unexcused absence. Being late more than 10 minutes late is an unexcused absence.
- 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.
- If an absence is unexcused, missed homework assignments or quizzes will not be accepted for credit. Students are still encouraged to complete such assignments to gain the essential practice that is provided through them. Missed major tests will be allowed to be taken for credit but will incur a 5% penalty.
- Students should contact the instructor (in advance in the case of a pre-arranged absence or within 2 school days of the return from other excused absences) in order to make arrangements to complete missed work such as quizzes or exams. The assessment should be completed as soon as possible, but no more than two weeks after the original date.
- Assignments due on the day of an excused absence should be submitted by the following class period.
- Four (4) or more unexcused absences will lead to academic and residential consequences beyond the scope of this class as determined by the Office of Academic Affairs (i.e., residential groundings, parent conference, and/or detention).
- If an absence is unexcused, missed quizzes will not be accepted for credit. Missed major tests will be allowed to be taken for credit but will incur a 5% penalty.
- Students should contact the instructor (in advance in the case of a pre-arranged absence or within 2 school days of the return from other absences) in order to make arrangements to complete missed work such as quizzes or exams. The assessment should be completed as soon as possible, but no more than two weeks after the original date.

## **Late Work/ Make-up policy:**

It is my policy not to accept late work/ allow make-up work unless there is an excused absence the day an assignment was due. If you can't be in class the day an assignment is due, please bring it by my office or send me an email with it as an attachment. If you miss a quiz or exam due to an excused absence, it is up to you to schedule a time with me (office hours or other) during which you can take the exam or quiz. You must contact me within a week of the missed assignment and complete the assignment within two weeks of missing it.

## **Diversity and Inclusion 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>.

## **Policy on the Americans with Disabilities Act (ADA):**

If you need course adaptations or accommodations because of a disability, please contact the *Office of Disability Services*. The *Office of Disability Services* coordinates services for students with disabilities; documentation of a disability needs to be on file in that office before any accommodations can be provided. Disability services can be contacted at 765-285-5293 or [dsd@bsu.edu](mailto:dsd@bsu.edu)

## **Activities Schedule**

<b><u>Class Meeting</u></b>	<b><u>Topic</u></b>
Week 1	5.3/5.7, 5.4/5.8
Week 2	5.5, 5.6
Week 3	5.9 ( <b>Ivy Tech Final Exam 01/17/2022</b> )
Week 4	6.1, Review, <b>Test 1</b>
Week 5	6.2, 6.3
Week 6	6.4, 6.5
Week 7	6.6, 7.1
Week 8	7.2, Review, <b>Test 2</b>
Week 9	7.3, 7.4
Week 10	<b>Spring Break</b>
Week 11	7.5, 7.6
Week 12	Review, <b>Test 3</b>
Week 13	8.1, 8.2
Week 14	8.3, 8.4
Week 15	8.5
Week 16	9.1, 9.3
Week 17	Review, <b>Test 4</b>
Week 18	Final Exam Review