Precalculus MAT 3101 Spring 2024
Mr. Asante

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Office Hours:
Monday: 11:00 am – 11:30 am
Tuesday: 10:00 am – 3:00 pm
Wednesday: 11:00 am – 11:30 am
Thursday: 12:00 pm – 4:00 pm
Friday: 11:00 am – 11:30 am

**Also by appointment*

If my door is open feel free to stop in!

Text: *PRECALCULUS* (Tenth Edition); by Sullivan; Pearson.
Also required: graphing calculator (TI-83+, TI-84, TI-Nspire, or similar preferred)

Course overview:
This course provides a thorough, careful study of basic Precalculus topics. Topics include functions and their properties, polynomial equations, and their graphs, beginning with equations of degree one (linear functions) including rational functions, exponential and logarithmic functions, their graphs, and applications.

The content for this semester deals with trigonometric functions, their properties, and their applications.

Attendance:
You are required to attend every class session, in accordance with Indiana Academy attendance policies. I understand clocks can be a minute or two off, so I will grant leniency for the first one or two minutes of class, but after 15 minutes you are officially "Absent." However, class time is very valuable, so I strongly encourage you to get to class no matter how late you may be. This will make your process of learning what was covered in class that day much easier. Sleeping in class will result in an unexcused absence without notice.

Evaluation:
In this course you will be given a homework assignment every night, frequent quizzes over the material covered the previous week, and a test every chapter. The quizzes will be short, around 20 points each, and will be very similar to homework questions. The tests are not cumulative in the sense that you will see questions directly from previous chapters, but math is a cumulative discipline so you may need to apply knowledge from previous chapters to help solve new problems. There will also be a final exam, it will be cumulative. For dates of tests please refer to the most recent version of the course schedule.

Grading Scheme:
Your grade in this course will be determined by the following percentage values. Remember that you EARN your grade; I do not give them out. If you want a better grade, be proactive about getting more help, there are many resources available to you!

40% …. Tests
25% …. Quizzes
10% …. Homeworks
25% …. Final Exam

Letter grades are determined by:

93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-

77-79	C+
73-76	C
70-72	C-
69 and below	D*

Make-up work Policy:
NO LATE WORK WILL BE ACCEPTED. If you are absent (excused absence) one day, it is your responsibility to get the work due that day turned in to me as soon as possible **and** before the next class meeting. My office is in your dormitory building so it should be simple enough for those of you who live in the dorms to be able to bring that assignment to my office and leave it under my door. For Non-residential Early College Program (NECP) students, you can send it as an email. If you will be missing a test you must contact me as soon as you know you will be missing it and schedule a time for you to take the test with me. **In the event of an unexcused absence or suspension, missed homework assignments, quizzes, tests, etc. will NOT be accepted for credit** (except when missed work would fail the suspended student)**.** Make-up quizzes, exams, etc. generally are not taken during class time.

Other policies:
Math requires notetaking. You cannot do that efficiently on your computer. So, your laptops, cell phones, and other internet-ready devices should be closed/turned off and put away 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, as well as your textbook (or pictures of appropriate pages), both will be very useful.

Academic Integrity
I support and abide by the academic integrity policy as set forth in the Student Handbook. While you are encouraged to work together in this course at times, here are a few examples of behavior subject to review under the Academic Integrity policy:

- Copying someone's work and turning it in as one's own
- The use of aids or other materials on quizzes and exams without expressed permission
- The use of calculators when explicitly asked not to do so
- Copying another person's work or answers on a quiz or exam

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.
- 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.
- Giving information about the content of quizzes or tests to 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 such aides are allowed on that section of a quiz or test.

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.

The teacher reserves the right to change this syllabus as situations arise, or add to it as needed.

Course Schedule for Pre-Calculus (MAT 3101)

01/01	Extended	Extended	Syllabus
01/08	Sec.5.4-5.5	Sec. 5.6	Sec. 5.6 / Quiz
01/15	MLK Day	Sec. 5.7	Sec. 5.8
01/22	Review	Review	Exam 1
01/29	Sec. 6.1	Sec. 6.2	Sec. 6.3 / Quiz
02/05	Extended	Sec. 6.4	Sec. 6.4
02/12	Sec. 6.5	Sec. 6.6	Sec. 6.6 / Quiz
02/19	Review	Exam 2	Sec. 7.1
02/26	Sec. 7.2	Sec. 7.3	Sec. 7.3
03/04	Extended	Extended	Extended
03/11	Sec. 7.4	Sec. 7.4	Sec. 7.5 / Quiz
03/18	Sec. 7.5	Sec. 7.6	Sec. 7.6 / Quiz
03/25	Review	Exam 3	Sec. 8.1
04/01	Extended	Sec. 8.2	Sec. 8.2
04/08	Sec. 8.2	Sec. 8.3 / Quiz	Sec. 8.4
04/15	Sec. 8.5	Sec. 8.5 / Quiz	Sec. 9.3
04/22	Review	Exam 4	Extended
04/29	Final Exam Review	Final Exam Review	Final Exam Review