**AP PRECALCULUS – SL** **MAT 3101 FALL 2025**

*Mr. Asante*

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**Office Hours:**

Monday: 4:00 pm – 5:00 pm *\*Also by appointment*

Tuesday: 12:00 pm – 3:00 pm

Wednesday: 4:00 pm – 5:00 pm *If my door is open feel free to stop in!*

Thursday: 11:00 am – 4:00 pm

Friday: 4:00 pm – 5:00 pm

**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.

We will be covering all of chapter 1 through to section 5.5 of chapter 5 in this first semester of the course.

**Attendance Policy:**

Attendance is mandatory. Students may receive excused absences at the professional discretion of the school nurse, the associate director of mental health services, the associate director of college counseling and student engagement, the director of academic affairs, and the executive director of the Indiana Academy. Unexcused absences occur when students miss class without prior approval from the aforementioned designated school officials. Continued absences (both excused and unexcused) from Academy classes increase the likelihood of unsuccessful completion.

Alongside steady attendance, students are expected to maintain consistent healthy habits of decorum, respect, and kindness towards their classmates, instructors, and teaching assistants. When students fail to meet these classroom behavioral standards and academic habits, it is the expectation faculty engage appropriately to bring quick and immediate resolution. When students consistently fail to meet these behavioral standards and academic habits in the classroom, an administrative consequence ladder will be adopted, and recorded, in attempt to administratively address, engage, and rectify ongoing challenges.

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.

**Absence Policy:**

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.

**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, and it will take place on the Final Exam Period, December 15 - 18, 2025. For dates of exams 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% …. Exams

25% …. Quizzes

25% …. Final Exam

10% …. Homework

Letter grades are determined by: 80-82 B-

93-100 A 77-79 C+

90-92 A- 73-76 C

87-89 B+ 70-72 C-

83-86 B 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, exams, 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.
* 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.

**Artificial Intelligence 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.
* 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.

**IA Wireless Device Draft Policy:**

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.

**Ball State University Beneficence Pledge:**

Ball State University aspires to be a university that attracts and retains outstanding faculty, staff, and students. Ball State is committed to ensuring that all members of the campus community are welcome through our practice of valuing the varied experiences and worldviews of the people whom we serve. We promote a culture of respect and civil discourse as evident in our Beneficence Pledge. As a reflection of Ball State’s commitment to respect, civil discourse, and the Beneficence Pledge, inclusiveness 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.

***COURSE SCHEDULE FOR AP PRECALCULUS – SL (MAT 3101)***

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| --- | --- | --- | --- |
| 08/11 | Syllabus / Sec. 1.2 | Sec. 1.2 | Sec. 1.3 |
| 08/18 | Sec. 1.3 / ***Quiz 1*** | Sec. 2.1 | Sec. 2.2 / 2.3 |
| 08/25 | Sec. 2.3 / ***Quiz 2*** | Sec. 2.4 | Sec. 3.1 / ***Shadow Day*** |
| 09/01 | ***Labor Day*** | Sec. 3.3 | Sec. 3.3 / ***Quiz 3*** |
| 09/08 | Sec. 4.1 | Sec. 4.1 | ***Exam Review*** |
| 09/15 | ***Exam 1*** | Sec. 4.5 | Sec. 4.5 / 4.6 |
| 09/22 | Sec. 4.6 / ***Quiz 4*** | Sec. 4.2 | Sec. 4.3 |
| 09/29 | Sec 4.3 / ***Quiz 5*** | Sec. 4.4 | Sec. 4.4 / ***PTC’s*** |
| 10/06 | ***Fall Break*** | ***Exam Review*** | ***Exam 2*** |
| 10/13 | Sec. 2.5 | Sec. 2.6 / ***Quiz 6*** | Sec. 3.2 |
| 10/20 | Sec. 3.4 | Sec. 3.4 / ***Quiz 7*** | ***Exam Review*** |
| 10/27 | ***Exam 3*** | Sec. 12.1 | Sec. 12.2 |
| 11/03 | Sec. 12.3 / ***Quiz 8*** | Sec. 5.1 | Sec. 5.2 |
| 11/10 | Sec. 5.3 | Sec. 5.3 / ***Quiz 9*** | Supplement |
| 11/17 | Sec. 5.4 | Sec 5.4 | Sec. 5.5 |
| 11/24 | ***Thanksgiving Break*** | ***Thanksgiving Break*** | ***Thanksgiving Break*** |
| 12/01 | Sec 5.5 / ***Quiz 10*** | ***Exam Review*** | ***Exam 4*** |
| 12/08 | ***Final Exam Review*** | ***Final Exam Review*** | ***Final Exam Review*** |
| 12/15 | ***Final Exam*** | ***Final Exam*** | ***Final Exam*** |

***The teacher reserves the right to change this syllabus as situations arise,***

***or add to it as needed.***