

ADVANCED PLACEMENT CALCULUS AB 2
Course Syllabus Spring 2022

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Office Hours

Monday, Friday: 12 - 1 p.m.; 2 - 3 p.m.
Wednesday, 12 - 1 p.m.; 2 - 3 p.m.; 4 - 6 p.m.
Tuesday, Thursday: 12 - 1 p.m.

I am typically around at a lot of other times. Please let me know if you need to meet me and we can make an appointment.

Prerequisites Credit in Calculus AB 1 or equivalent

Dual Credit Students completing the fall and spring semester of AP Calculus AB may choose to also enroll for credit in MATH 165 (Calculus 1) through Ball State University. Interested students may complete the enrollment process by working with their Academic Advisors before the end of the first week of the spring semester.

Content *Topics covered will follow the CEEB syllabus in AB Calculus, including specifically:*

- Integration
- Applications of Integration
- Transcendental Functions
- Inverse Functions
- Differential Equations--Growth and Decay
- Additional Techniques of Integration

Texts

Calculus of a Single Variable (11th edition), Larson, Edwards, 2018, Cengage Learning.

Attendance Policy

- 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.
- Class attendance is crucial to success in this course. If a class session is missed, the student should use the assignment sheet to identify the material that was missed due to an absence and should view the corresponding lecture content using the lesson videos on the Canvas course website.
- 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).

Technology

- The TI-84 graphing calculator will be used extensively throughout the course. Students who do not have an AP approved graphing calculator will be required to rent a TI-84 graphing calculator. You must arrange to have a TI-84 or comparable substitute with you each day in class and for each class test. The AP Calculus AB exam contains questions which require the use of a graphing calculator.
- Laptops should not be active during class unless requested by the instructor. (No other technology, including pagers, beepers, cell phones, video games, or stereos, should be active during class!)

Student Evaluation

- Exams:** An exam, modeled on the AP Exam, will be given at the end of each of the three units of study.
- Quizzes:** Approximately 7-11 short quizzes, both announced and unannounced, will be given.
- Homework:** *Mathematics is not a spectator sport! Homework is an essential part of the learning process.
*Homework usually will be assigned each class period and will be **due at the beginning of the next** class period. Homework should be **labeled clearly with the text section number, completed neatly**, and organized in a folder/notebook for this course. Each assignment will be uploaded using the link on Canvas. It will be checked or graded at the discretion of the instructor.
***LATE CARD POLICY:** If an assignment is not submitted by class time, it will be considered late. During the semester, each student will be allowed exactly one opportunity to submit a late assignment, if it is submitted by the next class period.
No additional LATE homework assignments will be accepted.

Final: A year-long two-hour comprehensive final will be given at the designated final exam period.

Grades: Students final grades will be determined as follows:

25%	from quizzes	40%	from exams
10%	from homework	25%	from final exam

Final letter grades will be assigned as follows:

A = [92 to 100 percent]	B = [82 to 88 percent]	C = [72 to 78 percent]
A- = [90 to 92 percent]	B- = [80 to 82 percent]	C- = [70 to 72 percent]
B+ = [88 to 90 percent]	C+ = [78 to 80 percent]	D* = below 70 percent (No Credit)

Adjustments in this scale may be made as deemed necessary by the instructor.

Academic Integrity Policy

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.
- 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.

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>.

Brownie Points Be sure to bring the instructor one of your senior pictures.

Indiana Academy Mask Policy

The Indiana Academy will follow [Ball State University's mask policy](#) (see Section IV). Based on current CDC guidance recommending the wearing of face masks for all people—regardless of vaccination status—in public indoor settings in communities where the rate of coronavirus transmission is high or substantial, all employees, students, and campus visitors are required to wear a mask while inside any University building. This requirement is effective on August 9, 2021. Fully vaccinated people are not required to wear masks outdoors.

Individuals who are not fully vaccinated for COVID-19 are required to wear face masks while inside campus buildings and outside when physical distancing cannot be maintained.

If a student declines to wear a face mask as required, the student will be referred to the Director of Academic Affairs or the Director of Residential Affairs. If the situation occurs in a classroom or other academic setting, it is considered a classroom management issue, and the teacher will remind the student of the requirement and give the student a chance to comply with it prior to referring the matter to the Director of Academic Affairs or the Director of Residential Affairs. Wearing masks is crucial to preventing the spread of COVID-19 to others.