

The Indiana Academy
Course Syllabus Spring 2020
ADVANCED PLACEMENT CALCULUS AB 2

Instructor: Ms. Kim Foltz
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Office Hours

Monday, Wednesday, Friday: 10 a.m. - 1 p.m.
Tuesday: 12 p.m.- 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. Any changes to these hours will be posted outside office door.

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* (8th edition), Larson, Hostetler, Edwards, 2006, Houghton Mifflin Company. [ISBN 0-618-50304-8]
- *Barron's How to Prepare for the Advanced Placement Examination: AP Math Calculus AB and Calculus BC*, 6th Edition [ISBN 0-7641-0186-2]

Attendance Policy

- Promptness and attendance is expected of all students. Academy policies on attendance and tardiness will be followed. Sleeping in class may constitute an unexcused absence. Being late more than 10 minutes may be recorded as an unexcused absence.
- Class attendance is crucial to success in this course. If a class session is missed, the student should use the class assignment sheet to identify the material that was missed during an absence. To view the lecture content via the Canvas course website, scroll down to the appropriate lesson day within the modules and use the link to view the lesson video. The student is still responsible for completing homework that is assigned on the day of an absence.
- Assignments due on the day of an excused absence must be slid under the door of the instructor's office by 5 p.m. on that day.
- Students should contact the instructor (in advance in the case of a pre-arranged absence or within 3 school days of the return from other excused absences) in order to make arrangements to complete missed work such as quizzes or exams.
- If an absence is unexcused, missed homework assignments, quizzes, or tests will not be accepted for credit.

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 collected and checked or graded at the discretion of the instructor.

***LATE CARD POLICY:** If an assignment is not submitted in class when it is requested, 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.