

The Indiana Academy
Course Syllabus Fall 2021
ADVANCED PLACEMENT CALCULUS BC 2

Instructor: Ms. Kim Foltz
Phone: (765) 285-7402

Office: Wagoner 153
e-mail: kfoltz@bsu.edu

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: 12 - 1 p.m.
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. Any changes to these hours will be posted outside my office door.

Prerequisites

<AP Calculus BC 1> or <AP Calculus AB 1 and 2> or <equivalent>.

Dual Credit

Students may choose to also enroll for credit in MATH 166 (Calculus 2) through Ball State University. Interested students may complete the enrollment process by working with their Academic Advisors.

Content

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

- Applications of Integration
- Techniques of Integration
- L'Hospital's Rule
- Improper Integrals
- Infinite Series
- Conic and Calculus
- Parametric Equations and Calculus
- Polar Curves and Calculus
- Vector Functions and Calculus

Texts

Calculus of a Single Variable (11th edition), Larson, Hostetler, Edwards, 2018, Houghton Mifflin Company.
[ISBN 978-1-337-28690-9]

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 is missed, the student should use the assignment sheet to identify the material that was missed during an absence. The student can view the lecture content on the Canvas course site. (Scroll down to the appropriate lesson day within the modules & use the link to view the 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 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 cell phones, pagers, beepers, 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 five units of study.

Quizzes: Approximately 9-12 short quizzes, both announced and unannounced, will be given.

Homework: *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** and **completed neatly**. Upon request, homework should be scanned as a pdf and uploaded to Canvas. Each assignment will be checked or graded at the discretion of the instructor. (See Canvas for instructions on how to create .pdf files)
***LATE CARD POLICY:** If an assignment is not submitted on Canvas by the time 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.

Projects: Extended assignments involving challenging applications and problems will be given either as individual or group projects. Each project should include a detailed report of the methods and solution as well as the "correct" answer.

Final: A two-hour comprehensive final will be given at the designated period during finals week.

Grades: Students final grades will be determined as follows:

20%	from quizzes	45%	from exams
10%	from homework & projects	25%	from final exam

Final letter grades will be assigned as follows:

A = [92 to 100 percent]	B = [82 to 87 percent]	C = [72 to 77 percent]
A- = [90 to 92 percent]	B- = [80 to 82 percent]	C- = [70 to 72 percent]
B+ = [87 to 90 percent]	C+ = [77 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. Specifically, for this course, 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.
- 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 cheating or any questionable behavior.

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.