

AICE Math 2023-24 Backman Syllabus

Classroom - 04-342

Class Times: Period 5

Text Books:

Pure Mathematics 1 by Pemberton

Probability and Statistics 1 by Chalmers

Topics:

Quadratics

Functions

Coordinate Geometry

Circular Measure

Trigonometry

Series

Differentiation

Integration

Data Types and Displays of Data

Measures of Center

Measures of Variation (spread)

Probability

Permutations and Combinations

Probability distributions

Binomial and Geometric Distributions

The Normal Distribution

Grading Policies:

Homework/Classwork : 25%

Quizzes: 35%

Tests/Projects: 40%

Semester Grades: Quarter grades 70%, Semester Exam 30%

Homework/Classwork: Homework/Classwork will be graded for effort shown rather than accuracy. This work is a vehicle for students to check their understanding of class lessons and should spark questions for class discussion. Work will sometimes be on paper and sometimes electronic. Students should be prepared to hand in any paper assigned work - it may or may not be collected.

Quizzes: Quizzes will be announced. There will be one or two homework quizzes each week that will be a single problem from the homework. More lengthy quizzes will occur bi-weekly.

Missed Work Policy:

Homework/Classwork - Students who fail to complete assigned work by the due date will be given a grade of 0 in the gradebook until the student submits the assignment. Assignments

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submitted more than 7 days after the due date may receive less than full credit depending on the circumstances.

Quizzes - Students who are absent on the day of a quiz should expect to make up that quiz the next day they are in school - before or after school is an appropriate time to do so. Students will be given a grade of 0 until the quiz is completed. In the event a quiz is not made up in 7 days, less than full credit may be given depending on the circumstances.

Tests/Projects - Students who are absent for tests or for the due date of major projects should reach out to Mr. Backman to schedule a time to make up that assessment. Students should expect to schedule that make up within 7 days of the original date.

Materials Needed for Class: Textbook, Notebook for class notes (this can also be for homework as long as students understand pages may need to be turned in).

Calculators/Computers: We have a classroom set of TI 36x-Pro calculators which are the approved calculators for the AICE exam. We cannot use the TI-84 Plus calculator for this class - if your student has their own. The TI 36x Pro is readily available for about \$20 if your student wants their own.

Communication: Mr. Backman can be reached through email at carl.backman@yourcharlotteschools.net or through the Remind ap for your specific class.

Remind code: @gfc7d8dg9f