



Bloomington High School is a diverse community that supports lifelong learners who are responsible and productive citizens in our global society. Together we will provide a safe environment that guides students to reach their full potential in pursuit of academic and personal fulfillment.

Course Title: 023251-2 Honors Pre-Calculus

Course Description: Honors Pre-Calculus is a rigorous study of functions and analytic geometry with investigations using the graphing calculator. To master the course, students will need to demonstrate problem solving abilities with algebra, trigonometry, analytic geometry, discrete mathematics, and functions of real numbers. Technology is an integral component of Honors Pre-Calculus. An introduction to calculus is a special feature of this course. *Graphing calculators are required: TI-83 plus or TI-84 are recommended. TI-89 calculators are not allowed in this course. This course carries the Honors G.P.A. weighting.*

Units of Study:

Semester 1:

- Unit 1- Library of Functions and Transformations
- Unit 2- Unit Circle Trigonometry
- Unit 3- Trig. Identities
- Unit 4- Vectors
- Unit 5- Polar and Parametric
- Unit 6- Polynomials and Derivatives

Semester 2:

- Unit 7- Matrices
- Unit 8- Logarithms and Exponentials
- Unit 9- Rational Functions
- Unit 10- Inverse Functions
- Unit 11- Conics
- Unit 12- Sequences and Series
- Unit 13- Probability
- Unit 14- Complex Numbers

Texts and Required Readings: Precalculus, Glencoe Precalculus, eStudent Edition 2014 by McGraw-Hill. ISBN:76642003

BHS Grading Scale and Policy:

The semester final grade is obtained from running semester grade (80%) and the semester final exam grade (20%). This means that you will have already earned 80% of your final grade by the time you reach semester exams. Semester exams are required. [BHS Handbook, pg. 17](#)

90-100% = A

80-89% = B

70-79% = C

60-69% = D

Below 60% = F

BHS Makeup Work Policy:

All students are expected to do makeup work in a timely fashion. It is the student's responsibility to obtain assignments prior to a pre-arranged absence, and immediately upon return for all other absences. General rule: one day absence affords one day to complete formative makeup work. For summative, students should expect to complete on the day of return. Failure to complete makeup work by the teacher deadline will result in a zero/missing in Gradebook. [BHS Handbook, pg. 37](#).

Discussing Controversial Issues in the Classroom:

The guidelines set forth by the District 87 Board Policy 6.070 will be used handling controversial issues in the classroom. Please contact your teacher if you have any questions.