

IB Mathematics: Applications & Interpretations (AI) - Standard Level

12th Grade Intl. [3 periods per week]

Mr. David Berkowitz & Mr. Don Buer

Course Description

This IB math course is the final year of a two-year course, required for the IB diploma. This course is designed to teach you the skills needed to apply mathematical techniques correctly, in subjects such as the liberal arts and possibly economics. In grade 12, SL students will write 2 papers which will make up 80% of your grade, and complete an independent research paper (Internal Assessment or IA), which will make up the additional 20%.

Timeline

The course will be adapted to fit the needs of each student's needs. Topics to be covered are perpendicular bisectors, Voronoi diagrams, limits, derivatives, applications of derivatives, anti-differentiation, measures of central tendency, cumulative frequency diagrams, probability, conditional probability, tree diagrams, Venn diagrams, discrete random variables, expected value, the binomial distribution, and the normal distribution.