

IB Math HL is intended to be a two-year course. At Bellaire High School, all of the “core syllabus” topics are covered in Pre-AP Algebra 2, Pre-AP Pre-Calculus (through May 2011) or IB Math SL (beginning August 2011), AP Calculus BC, and IB Math HL. This document specifies the topics in the IB Math HL “core syllabus” that will not be covered during the two-semester IB Math HL course. This document should be read along side the IB Math HL “core syllabus” document.

Topics in the “core syllabus” that have been covered in previous courses that will receive NO coverage in IB Math HL at Bellaire High School:

- 1.2 All topics
- 2.2 All topics
- 2.3 Transformations of graphs: translations, stretches, reflections in the axes
The graph of $y = f^{-1}(x)$ as the reflection in the line $y = x$ of the graph of $y = f(x)$
- 2.5 All topics
- 2.6 All topics
- 2.7 All topics
- 2.8 All topics
- 2.9 All topics
- 2.10 All topics
- 3.1 All topics
- 3.2 All topics
- 3.5 All topics
- 4.1 All topics
- 4.2 All topics
- 7.1 – 7.10 All topics

Topics in the “core syllabus” that have been covered in previous courses that will receive MINIMAL coverage in IB Math HL at Bellaire High School:

- 1.1 Sigma notation
- 1.8 Conjugate roots of polynomial equations with real coefficients
- 2.1 All topics
- 2.4 All topics
- 3.4 The inverse trigonometric functions; their domains and ranges; their graphs
- 5.1 All topics

All other topics in the “core syllabus” will be covered in the IB Math HL course.