

2011-2012 Course Information

Course Name

AP Calculus A/B

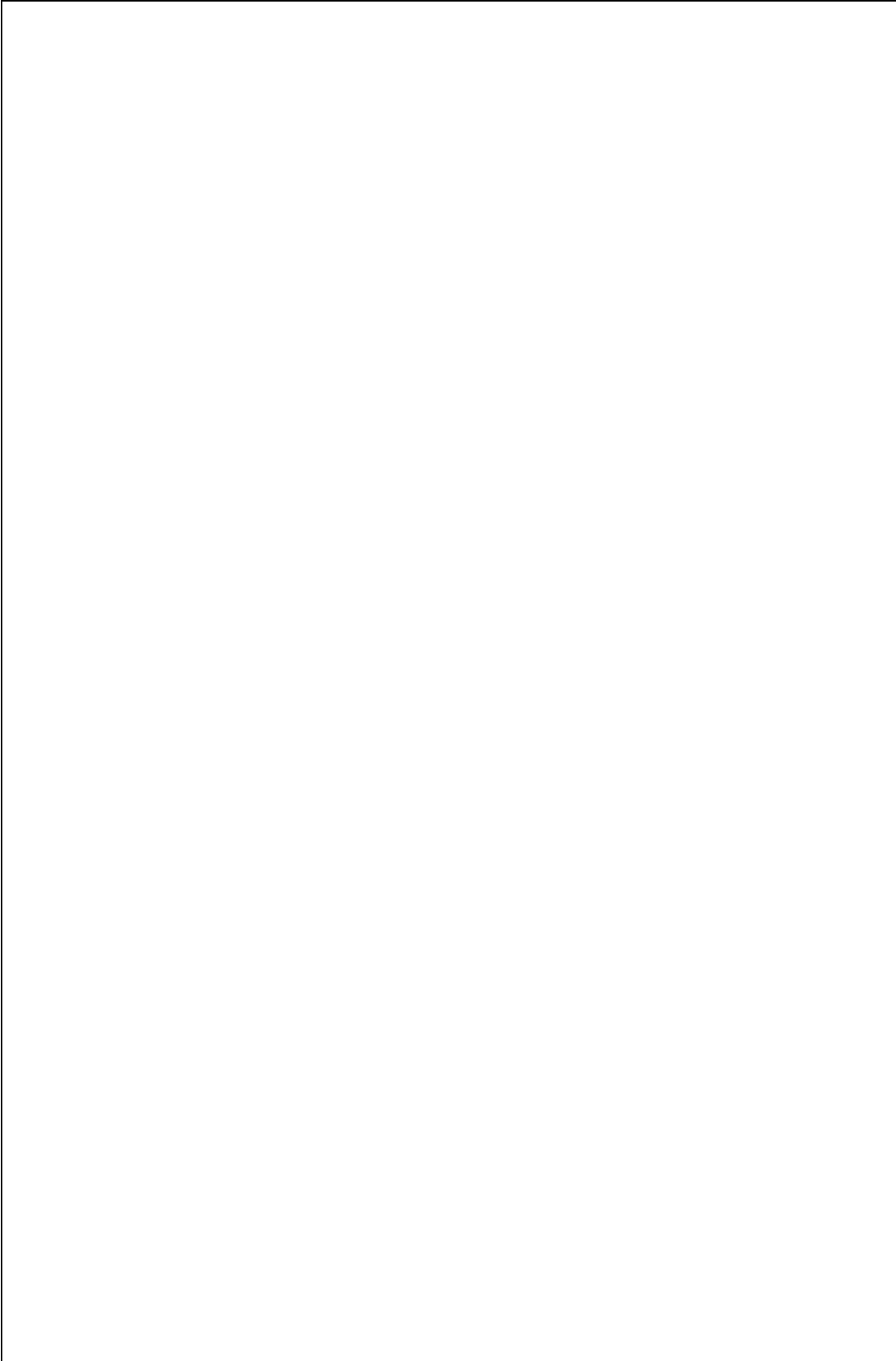
Is this course a **Full Credit** or a **Half Credit**?

Full

Major Units covered in this Course (List in order of coverage)

Review of prerequisites  
Limits and their properties  
Differentiation  
Applications of differentiation  
Integration  
Differentiation and integration of Log and exponential functions  
Differential equations  
Applications of integration

Units Covered Description Extra Text Box if needed



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Calculus 8<sup>th</sup> edition

Describe any Project and/or Research Papers that will be assigned and the approximate Quarter the Project and/or Research Paper will be assigned

1 research paper, topic TBA  
Quarter due to be determined by the Writer Workshop or Senior Thesis teacher  
Paper will count as a test grade

Describe how technology will be integrated into the course.

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TI-83/84 graphing calculator will be used to approach problems from a graphical and numerical perspective. We will examine the graphs of functions and their derivatives. We will evaluate integrals using the function integrator feature. We will evaluate derivatives using the NDERV feature.

Will your midterm be a **Project, Research Paper** or **Test**?

Test or paper

Will your final be a **Project, Research Paper** or **Test**?

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Test

If a NYS Assessment Exam or Regents Exam part of your course, how do you prepare for this test?

N/A

If this is an AP course, how do you prepare for this test?

We will review for this exam by practicing past AP exams given in this course.