

HONORS CALCULUS SYLLABUS 2011-2012

Instructor: Dr. Hill

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Welcome to a St. Paul's Preparatory Academy Honors Calculus class. This course introduces concepts and skills needed for success in a college level Calculus class. If you have any question or concerns about this course please feel free to call me at school. Leave a message with the receptionist at 817-561-3501, or you can e-mail me and I will respond to you as soon as possible.

Materials Needed For Class

- 1. Graphing Calculator**
- 2. Notebook Paper**
- 3. Pencils**
- 4. Textbook: Glencoe Advanced Mathematical Concepts**

Course Grading System:

- A. Classwork/Homework – 15%**
- B. Laboratory Reports and Special Projects – 20%**
- C. Quizzes – 20%**
- D. Tests – 45%**

Course Expectations:

- A. Homework policy – Homework assignments will receive a grade of 100 if turned in on time. If an assignment is incomplete or not turned in, it will receive a grade of 0. If the assignment is turned in completed when the class meets again, the grade will be changed to a 50.**
- B. Extra Credit work – No extra credit for students who have chosen not to attend class, not to participate in class, not to study or do homework, nor perform well on tests.**
- C. Final Exam – The final exam will be comprehensive and will count for 20% of the final grade.**
- D. Make-up – Quizzes will not be made up. Excused absences on a test day will allow a make-up test.**
- E. Prompt and Prepared – Students are graded on being on time, and being prepared (having needed supplies and assignments) before class starts.**
- F. Expect a QUIZ daily!**

Honors Calculus Syllabus

First Semester

First 9 Weeks

Week 1 – 9: Ch 0: Preliminaries

Second 9 Weeks

Week 10 - 12: Ch 1: Limits and Continuity

Week 13 - 15: Ch 2: Differentiation

Week 16 - 18: Ch 3: Applications of Differentiation
and Semester Exam: Ch 0 - 3

Second Semester

Third 9 Weeks

Week 19 - 21: Ch 4: Integration

Week 22 -24: Ch 5: Applications of the Definite Integral

Week 25 - 27: Ch 6: Differential Equations

Fourth 9 Weeks

Week 28 - 30: Ch 7: Infinite Series

Week 31 - 33: Ch 8: Vectors and the Geometry of Space

Week 34 - 36: Ch 10: Functions of Several Variables and Final
Exam