

HONORS PRE-CALCULUS SYLLABUS 2011-2012

Instructor: Dr. Hill

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Welcome to a St. Paul's Preparatory Academy Honors Pre-Calculus class. This course prepares the student for a course in Calculus because this class integrates concepts and skills related to Calculus throughout the program. 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 Precalculus Syllabus

First Semester

First 9 Weeks

- Week 1 – 3: Ch 1: Linear Relations and Functions and Test 1
Week 4 - 6: Ch 2: Systems of Linear Equations and Inequalities
And Test 2
Week 7 - 9: Ch 3: The Nature of Graphs and Test 3

Second 9 Weeks

- Week 10 - 12: Ch 4: Polynomial and Rational Functions and Test 4
Week 13 - 15: Ch 5: The Trigonometric Functions and Test 5
Week 16 - 18: Ch 6: Graphs of Trigonometric Functions 6.1 – 6.2
and Semester Exam: Ch 1-6

Second Semester

Third 9 Weeks

- Week 19 - 21: Ch 7: Trig Identities and Equations and Test 6
Week 22 -24: Ch 8: Vectors and Parametric Equations and Test 7
Week 25 - 27: Ch 9: Polar Coordinates and Test 8

Fourth 9 Weeks

- Week 28 - 30: Ch 11: Exponential and Logarithmic Functions and
Test 9
Week 31 - 33: Ch 15: Intro to Calculus and Test 10
Week 34 - 36: Pre-Calculus Course Review and Final Exam