

NAME \_\_\_\_\_ # \_\_\_\_\_  
Period-Box#

**STUDENT  
SYLLABUS  
PACKET  
Pre-Calculus**

**2011-2012**

**S.K. Phillips**

## Course Description

Pre-Calculus, or Advanced Mathematics, is an enrichment course strongly recommended for all college-bound students. This is a course in Trigonometry and Analytic Geometry, and should reflect a change in emphasis with more use of graphing utilities for solving equations and inequalities, realistic applications and modeling, connections among the right angle ratios, trigonometric functions, and circular functions.

## Course Objectives

This course will enable students to:

- a. Intellectual Explore difference equations.
- b. Intellectual Model with a variety of functions.
- c. Intellectual Use technology to explore non-quadratic functions and equations.
- d. Intellectual Expand their understanding of circular functions to include inverses and identities.
- e. Intellectual Apply vectors to real situations.
- f. Intellectual Utilize matrices.
- g. Intellectual Represent complex numbers with polar coordinates.
- h. Intellectual Make inferences using probability and statistics.
- i. Intellectual Understand the structure of mathematics through proofs.
- j. Intellectual Conceptualize calculus through rates and areas
- k. Spiritual Recognize God's handiwork as evidenced by mathematical patterns in nature.

## Course Grading Information

|               |     |         |     |            |     |
|---------------|-----|---------|-----|------------|-----|
| Homework      | 10% | Quizzes | 25% | Final Test | 15% |
| Participation | 10% | Tests   | 40% |            |     |

## Grading Scale

|    |             |    |             |    |             |    |             |
|----|-------------|----|-------------|----|-------------|----|-------------|
| A+ | 100.1 & ↑   | B+ | 88.0 – 89.9 | C+ | 78.0 – 79.9 | D+ | 68.0 – 69.9 |
| A  | 93.0 – 100  | B  | 83.0 – 87.9 | C  | 73.0 – 77.9 | D  | 63.0 – 67.9 |
| A- | 90.0 – 92.9 | B- | 80.0 – 82.9 | C- | 70.0 – 72.9 | D- | 60.0 – 62.9 |
|    |             |    |             |    |             | F  | 59.9 & ↓    |

## Required Text

*Precalculus With Limits: A Graphing Approach* by Larson, Hostetler, & Edwards, 2005. Houghton Mifflin.

## Office Hours

Phone: (408) 905-7478

**You may call me until 9:00 p.m.**

**OR text me any time**

Email Address: [kphillipsmva@mac.com](mailto:kphillipsmva@mac.com)

**Feel free to email me any time**

C – Chapel  
X – Class  
S – Study Hall

|        | Mon | Tues | Wed | Thurs | Fri |
|--------|-----|------|-----|-------|-----|
| 1      | X   | X    | X   | X     | X   |
| Chapel | C   | C    | C   | C     | C   |
| 2      | X   | X    | X   | X     | X   |
| 3      | X   | X    | X   | X     | X   |
| 4      | X   | X    | X   | X     | X   |
| 5      |     |      |     |       |     |
| Lunch  |     |      |     |       |     |
| 6      | X   | X    | X   | X     | X   |
| 7      |     |      |     |       |     |
| 8      |     |      |     |       |     |
| 9      | X   | X    | X   | X     | X   |

## POLICIES AND PROCEDURES

### A. GENERAL:

- 1) Be prepared for the work of the day; bring to **every class meeting** your book, binder, pencil & red pencil, binder paper, calculator, and any other equipment that may be necessary.
- 2) Expect a quiz each day, a chapter test following each chapter, and other review tests periodically.

### B. DAILY ACTIVITIES:

- 1) Check your box immediately upon entering class.
- 2) Place all assignments due in the folder on my desk.
- 3) Be seated, I take roll when the bell rings.
- 4) Copy the daily log as written and review any handouts given out.
- 5) Update your GRS if an assignment has been returned to you.

## RULES AND REGULATIONS

### C. BEHAVIOR:

- 1) It is expected that you will show respect for your classmates, classroom, and teacher. Your words and actions should always be respectful, uplifting, and should give glory to God.
- 2) The school dress code is strictly enforced. You will be sent to the office if you are in violation of the dress code.
- 3) Do not leave the classroom unless you have permission.
- 4) Eating or drinking at your desk is permitted **IF** you are drinking water or eating food that is not messy or smelly.
- 5) No sleeping. If you have a medical problem, see the nurse.
- 6) Students are expected to give whole class activities their ***undivided attention***.

### D. PASSES OUT OF CLASS:

- 1) Passes cannot be used until roll is taken and daily instructions are given to the entire class.
- 2) There are two types of passes issued from this class:
  - A. **BATHROOM PASS:** This pass is ***strictly*** for the stated purpose, and has a ***THREE-MINUTE*** time limit that is strictly enforced. It ***may not*** be used at the beginning of class, or if a whole class activity (instructions, lecture, video) is in progress. Students are required to ***sign out and in*** to use this pass and have ***my specific permission*** to use it.
  - B. **ACTIVITY PASS:** this is a written pass issued by me, which is used to go to the office or other campus destination. It must be signed by the person in charge and returned to me directly when you return. Students are required to ***sign out and in*** to use this pass and have ***my specific permission*** to use it.

## GRADES AND ATTENDANCE

E. **ASSIGNMENTS: DO YOUR OWN WORK.** I encourage working in groups, but assignments should reflect individual effort and language. Copied assignments will be dealt with according to the handbook cheating policy.

- 1) Assignments are ***usually*** due two days after they are assigned. Unless I take them from you directly during class, assignments must be placed in the file folder on my desk at the ***beginning of the period*** the date they are due or they are considered LATE and will be given a maximum score of 80%.
- 2) Late assignments may be turned in until the end of the chapter in which they are assigned for a 20% penalty. After that chapter is finished, late assignments may be turned in until the end of the quarter in which they are assigned for a 50% penalty.
- 3) Assignments of more than one page must be ***stapled*** in the upper left corner, but separate assignments are never stapled together when turned in.

- 4) Assignments must have your ***period-box # in the upper right corner*** of the first page of an assignment, ***as well as the date, class, and assignment information.***

A. ATTENTION: Assignments not meeting the above criteria will ***lose 10%*** of their assigned value.

**Student signature** \_\_\_\_\_

- 5) Students may turn in homework corrections until the end of the chapter being taught. Problems may be corrected if they are marked wrong. Skipped problems will be considered late if turned in with corrections.

F. **QUIZZES:** There are two types of quizzes in this class.

- 1) **Content Quizzes:** These are quizzes that cover what we are currently learning, or review things you should know from previous chapters.
- 2) **Binder Quizzes:** The purpose of binder quizzes is to check your compliance to the binder requirement of this course. Organization is a key part to success, and you will be given points for maintaining a neat, up-to-date binder. Binder quizzes will be counted for participation credit.

G. **MAKE-UP POLICY:** Students must have an ***excused absence*** through the attendance office in order to complete and/or submit late assignments due to an absence.

- 1) **Homework assignments:** A student generally has a grace period, equal to as many days as they were absent, to turn in late assignments for full credit. After the grace period the assignment may be turned in until the end of the quarter for no more than 80% credit.
- 2) **Quizzes:** Missed quizzes must be made-up ***on the day of your return*** to school otherwise they convert to a zero. If you are absent for multiple days and have missed multiple quizzes see me ***immediately*** and we will work together on an appropriate timetable.
- 3) **Exams:** Missed exams must be made-up in a ***specified grace period***; otherwise they convert to a zero. It is entirely the student's responsibility to take the initiative and arrange with me to take the missed exam during a convenient time for both.
- 4) **Daily Log:** Students are required to copy the daily log (activities for the day) exactly as written each day. Logs must be arranged in dated ***sequential order*** on the front and back of pages, and kept in the Daily Log section of your binder. If you are absent, get the missed logs from another student or from the website ***immediately*** so that you do not fall behind. In this way you will know what has happened in your absence and what you need to make up.

H. **ATTENDANCE:**

- 1) Be on time. If you enter the classroom after the bell, go quietly to your desk and wait until an ***appropriate time*** to inform me of your arrival. ***You may be marked absent if you do not verify that I have changed your status in the attendance book.*** A written pass/note from a teacher, administrator or parent is the only valid reason for being late, and may still be unexcused.
- 2) Students who have perfect attendance at the end of each quarter will receive bonus points in the participation category.

**\*PLEASE NOTE\***

According to the student handbook, if a student misses more than 15% of any one class (whether excused or unexcused) there will be no credit given for that class for the semester. In other words if a student is absent ***14 times*** first semester, or ***14 times*** second semester he/she will not receive credit for this class.

## BINDER INFORMATION

Since organization is a large component of success, all students are required to bring to class ***each day*** an organized, current binder. It will be checked periodically, and binder quiz points will be awarded. Obtain a 1-1.5 inch, 3-RINGED BINDER and keep this exclusive and separate from all other classes.

ATTENTION: This Student Survival Packet should be the first item in your binder ***before*** the tabbed sections.

There are 5 tabbed sections that need to be LABELED AND ORDERED as follows:

- 1) DAILY LOG: A sequential listing of class activities. Date these entries and copy them exactly as written. Draw a line under each entry and use front and back of papers.
- 2) HOMEWORK: All your homework should be kept in this section. Your Homework Record Sheet must be the first thing in this section with your homework behind it. All homework will have an HRS number, and must be kept in dated, sequential order.
- 3) QUIZZES: All your quizzes should be kept in this section. Your Assessment Record Sheet must be the first thing in this section with your assessments behind it. All assessments will have an ARS number, and must be kept in dated, sequential order.
- 4) NOTES & HANDOUTS: Keep these in dated, sequential order. It may also help you to write the chapter your notes are for at the top of each page.
- 5) EXTRA PAPER: Keep all extra binder paper and graph paper for this class in this section.

Period-Box # \_\_\_\_\_

I, \_\_\_\_\_, have read and understand all information presented in this  
(Print Student Name)

**Pre-Calculus** syllabus. By signing below I agree to abide by the rules that have been stated and to conduct myself during class in a manner that will glorify God and uplift my fellow classmates.

Student Signature \_\_\_\_\_  
(Sign Student Name)

I, \_\_\_\_\_, have read my student's **Pre-Calculus syllabus**. I understand the  
(Print Parent/Guardian Name)

expectations laid out for him/her, and I will do my part to help my student be successful in this course.

Parent/Guardian Signature \_\_\_\_\_  
(Sign Parent/Guardian Name)