



# PRECALCULUS

## Course Syllabus

School year: 2013-14

Instructor: Mr. Lanny Carrier

Room 213

Email: [lannie.carrier@jackson.kyschools.us](mailto:lannie.carrier@jackson.kyschools.us)

Telephone: 287-7155



### Course Description

Precalculus consists of those subjects, skills, and insights needed to understand calculus. It includes arithmetic, algebra, coordinate geometry, trigonometry, and, most of all, functions---the general concept as well as specific functions. Students come to this course familiar with basic arithmetic, algebra, and geometry. A precalculus course builds on all of their previous mathematical knowledge and experience. Precalculus isn't a separate area of study from algebra, trigonometry, coordinate geometry or calculus; rather, it combines elements of all three areas of study.

### Major Units or Topics of Study

Unit 1— Linear Functions, Equations, and Inequalities

Unit 2— Analysis of Graphs of Functions

Unit 3— Polynomial Functions

Unit 4— Rational, Power, and Root Functions

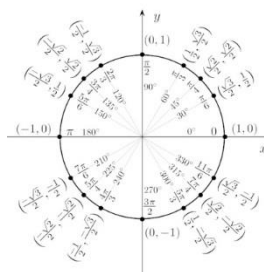
Unit 5--- Inverse, Exponential, and Logarithmic Functions

Unit 6--- Analytic Geometry-Circles, Parabolas, and Ellipse

Unit 7--- Systems of Equations and Inequalities; Matrices

Unit 8---The Unit Circle and Trigonometric Functions

Unit 9---Sequences and Series, The Binomial Theorem and Probability



### Course Policies

\**Materials needed:* 3-ring binder for keeping all notes, work, quizzes, and test.

\**Attendance/Tardies/Discipline:*

\*\*\*\* You must be prepared for class. Prepared means to have paper, pencil, book, and yourself in the room and in the seat when the tardy bell rings. If you must go get something, it will be counted as a tardy.

5 tardies is a detention.

The same procedures will be used in class as is stated in the JCHS Handbook and Code of Conduct. The student agenda policy will be followed faithfully!!!!!!

\**Personal Electronic Devices*

NO cell phones or iPods are to be used during instructional time. They are not to be visible or heard, otherwise, they will be confiscated and turned in to the office. If I hand you an envelope,

put your cell phone in it, seal it, and write your name on the envelope. It can be picked up at the office.

*\*Grading Policy:* This course will follow the standard grading scale now at Jackson County High School.

92 - 100	A
81 - 91	B
70 - 80	C
60 - 69	D
0 - 59	F



*\*Grading Criteria:* Each 9 weeks. **Grade is based on points accumulated.**

CATEGORIES:

**Other:** (Homework/Daily work/Flashbacks/Quizzes/Formative Assessments): **40%**

**Summative Assessments—Exams:** **60%**

You're **Final Grade** is determined by the following percentages.

1<sup>st</sup> 9 weeks: **20%** 2<sup>nd</sup> 9 weeks: **20%** 3<sup>rd</sup> 9 weeks: **20%** 4<sup>th</sup> 9 weeks: **20%** Final Exam: **20%**

Homework: You will have classwork/homework assignments daily unless otherwise instructed. Some assignments will be graded for 50 pts. Some will be given 20 pts for turning in the completed assignment. Math is learned by completing the task asked of you. If you don't do the work, you won't learn the material. If you don't learn the material, you can't pass the test. Your notebook will be a place to keep all work, returned test, quizzes, and study materials.

Test and quizzes: Approximately 6 quizzes and 2 tests will be given in the 9 weeks.

These elements are assessment activities to determine what you've learned; therefore, you will be required to know your material to do well on these assessments.

*\*Disclaimer:* The teacher reserves the right to change or modify the course syllabus at any time.

-----

Student: I would like for your parents/guardians to understand what I expect from you in this course. Please take this information home, explain it to your parents, have them read this, and sign at the bottom of this page.

Parent/Guardian: Feel free to contact me at the high school (287-7155) if you have any questions or concerns regarding your child. I am available during my planning(11:05-12:55am) and in the afternoon (3:00 - 3:30 pm). Please call before coming if possible to ensure that I will be here. You may also contact me by email ([lannie.carrier@jackson.kyschools.us](mailto:lannie.carrier@jackson.kyschools.us)), which usually proves to be the best mode of communication.

I, \_\_\_\_\_, the parent/guardian of \_\_\_\_\_, have read the course syllabus and understand the policies of the Jackson County High School and this course.

Parent/Guardian Signature: \_\_\_\_\_

Always measure up to the challenge!!

