

**PRE-CALCULUS**  
**Our Lady Help of Christians Academy**  
**2022 – 2023**  
Mrs. Buchholz

**Algebra II** is the fourth math course in high school and will guide the student through among other things exponential & logarithmic functions, sequences & series, trigonometry and applications, statistics & probability, matrices & determinants.

**Text book:** Algebra and Trigonometry, Structure and Method, Book 2, by Brown, Dolciani, Sorgenfrey, and Kane. McDougal Littel, 2011 impression.

**Required Supplies:** 3-ring binder any color, ruler, pencils, good eraser, college ruled paper, graph paper, binder dividers, scientific calculator, book cover.

**Quarter Grades:** Test– 50%, Quizzes– 35%, Homework– 15%

**Semester Grades:** 1<sup>st</sup> Quarter–40%, 2<sup>nd</sup> Quarter–40%, & Semester Exam–20%

**Homework** is due the following class. All work must be done by hand and by the student. LATE HOMEWORK will not be graded.

**Quizzes:** almost every day mainly on classroom or homework exercises from the previous lesson.

# PRE-CALCULUS

## **1<sup>st</sup> Semester**

### **1<sup>st</sup> Quarter**

Chapter 9 – Analytic Geometry 9 sections

Chapter 10 – Exponential and Logarithmic Functions 8 sections

End of 1<sup>st</sup> Quarter – October 21<sup>st</sup>

### **2<sup>nd</sup> Quarter**

Chapter 11 – Sequences and Series 8 sections

Chapter 12 – Triangle Trigonometry 9 sections

End of 2<sup>nd</sup> Quarter – December 22<sup>nd</sup>

## **2<sup>nd</sup> Semester**

### **3<sup>rd</sup> Quarter**

Chapter 13 – Trigonometric Graphs; Identities 9 sections

Chapter 14 – Trigonometric Applications 8 sections

End of 3<sup>rd</sup> Quarter – March 10<sup>th</sup>

### **4<sup>th</sup> Quarter**

Chapter 15 – Statistics & Probability 10 sections

Chapter 16 – Matrices & Determinants 9 sections

End of 4<sup>th</sup> Quarter – May 27<sup>th</sup>