

# Honors Pre-Calculus Syllabus 2022-2023

Mrs. Delk - Rm. 708  
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**Text:** [Precalculus 10th Edition By Ron Larson.pdf](#) as well as guided notes distributed in class, and posted into Google Classroom.

**Course Description:** This is the third course in a sequence of courses designed to provide students with a rigorous program of study in mathematics. It includes trigonometry, conic sections, modeling with matrices, the complex number system including modeling with vectors, and probability including compound events and expected values.

**Prerequisite:** Accelerated Analytic Geometry and Advanced Algebra

**Instructional Philosophy:** The Accelerated Pre-Calculus curriculum is both extensive and comprehensive. Time is a crucial commodity and it must be spent judiciously. Relevant concepts of previous math course topics will be reviewed and extended, but not re-taught.

**Course:**

Upon completion of the course, students will be able to:

| 1 <sup>st</sup> Semester   |   |   |  |
|--|---|---|--|
| Unit 1   | Unit 2  | Unit 3  | Unit 4   |
| <a href="#"><u>Introduction to Trigonometric Functions</u></a><br>(4 – 5 weeks)  | <a href="#"><u>Trigonometric Functions</u></a><br>(4 – 5 weeks)   | <a href="#"><u>Trigonometry of General Triangles</u></a><br>(3 – 4 weeks) | <a href="#"><u>Trigonometric Identities</u></a><br>(3 – 4 weeks) |
| MGSE9-12.F.IF.4<br>MGSE9-12.F.IF.7<br>MGSE9-12.F.IF.7e<br>MGSE9-12.F.TF.1<br>MGSE9-12.F.TF.2<br>MGSE9-12.F.TF.5<br>MGSE9-12.F.TF.8 | MGSE9-12.F.BF.4<br>MGSE9-12.F.BF.4d<br>MGSE9-12.F.TF.3<br>MGSE9-12.F.TF.4<br>MGSE9-12.F.TF.6<br>MGSE9-12.F.TF.7 | MGSE.9-12.G.SRT.9<br>MGSE.9-12.G.SRT.10<br>MGSE.9-12.G.SRT.11             | MGSE9-12.F.TF.9  |

| 2 <sup>nd</sup> Semester   |  |   |   |
|--|--|---|---|
| Unit 5   | Unit 6   | Unit 7  | Unit 8  |
| <u>Matrices</u><br>(3 – 4 weeks)   | <u>Conics</u><br>(3 – 4 weeks)                           | <u>Vectors</u><br>(4 – 5 weeks)   | <u>Probability</u><br>(4 – 5 weeks)   |
| MGSE9-12.N.VM.6<br>MGSE9-12.N.VM.7<br>MGSE9-12.N.VM.8<br>MGSE9-12.N.VM.9<br>MGSE9-12.N.VM.10<br>MGSE9-12.N.VM.12<br>MGSE9-12.A.REI.8<br>MGSE9-12.A.REI.9 | MGSE9-12.G.GPE.2<br>MGSE9-12.G.GPE.3<br>MGSE9-12.A.REI.7 | MGSE9-12.N.CN.3<br>MGSE9-12.N.CN.4<br>MGSE9-12.N.CN.5<br>MGSE9-12.N.CN.6<br>MGSE9-12.N.VM.1<br>MGSE9-12.N.VM.2<br>MGSE9-12.N.VM.3<br>MGSE9-12.N.VM.4<br>MGSE9-12.N.VM.4a<br>MGSE9-12.N.VM.4b<br>MGSE9-12.N.VM.4c<br>MGSE9-12.N.VM.5<br>MGSE9-12.N.VM.5a<br>MGSE9-12.N.VM.5b<br>MGSE9-12.N.VM.11 | MGSE9-12.S.CP.8<br>MGSE9-12.S.CP.9<br>MGSE9-12.S.MD.1<br>MGSE9-12.S.MD.2<br>MGSE9-12.S.MD.3<br>MGSE9-12.S.MD.4<br>MGSE9-12.S.MD.5<br>MGSE9-12.S.MD.5a<br>MGSE9-12.S.MD.5b<br>MGSE9-12.S.MD.6<br>MGSE9-12.S.MD.7 |

### Course assessment:

*Nine Weeks Grade* = 60% (Tests and Major Projects) + 40% (Quizzes/Daily)

*1<sup>st</sup> Semester Grade* = (1<sup>st</sup> 9 weeks + 2<sup>nd</sup> 9 weeks) ÷ 2 x 80% + Semester Exam x 20%

*2<sup>nd</sup> Semester Grade* = (4<sup>th</sup> 9 weeks + 5<sup>th</sup> 9 weeks) ÷ 2 x 80% + Semester Exam x 20%

Students will receive a grading rubric for any projects assigned. A minimum of 3 tests or equivalent level tasks will be given per nine weeks.

### Supplies:

- TI-84 Plus or TI-84 Plus CE
- 3-ring binder
- Notebook paper
- Planner
- Pencils (No pens please)
- Project supplies - These will be announced as needed.

### Extra Help:

1. Extra help is available before/after school twice a week and during PRIDE on Thursdays during school.

### Make-up Work:

1. All make-up work is to be completed within one week of returning to school. If the absence is excused, credit will be given; no credit is given for an unexcused absence, unless cleared through an administrator.
2. Make-up tests and quizzes are given after school or during PRIDE. Please see me if special arrangements need to be made.

### Parent-Teacher Communication:

Any parent or guardian wishing to speak with me may call the school at (229)903-2260 to leave a message or schedule a conference, or may email me. My email address is [delkvi@lee.k12.ga.us](mailto:delkvi@lee.k12.ga.us)

