**Duluth High School**

High School Course Syllabus

**Course Title** **Integrated Trigonometry** **Term**……………Fall 2012 & Spring 2013  
Teacher Mr. David Curlette room # 505

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| Email Address **Teacher Web Page** | http://qurified.qurify.com/qurified.php?gi=33f286fbdc356f4ae5349ec9ee85e3fc  **Email:** David\_Curlette@gwinnett.k12.ga.us  **YouTube:** http://www.youtube.com/user/CurletteMath  **Website:** http://www.duluthhigh.org/tpindexy.php?page=myhome&id=62  **Online Class:** http://trigonline.weebly.com/ |
| Teacher Support (Help sessions etc.) | * Morning at 6:45am * Tuesdays and Thursdays after school until 3:00 pm. * See teacher for lunch time tutoring |

### Course Description (*Published in the Choice Book)*

This is the fourth in a sequence of mathematics courses designed to prepare students to enter college at the calcu­lus level. It includes rational, trigonometric, and inverse trigonometric functions; basic trigonometric identities and the laws of sine and cosine; sequences and series; vectors; the central limit theorem and confidence inter­vals. With this course, students complete full content of Advanced Algebra and Trigonometry.

Prerequisites: Integrated Algebra II

### Course Curriculum Content

The entire list of Academic, Knowledge and Skills for each of the following curriculum strands in this course can be accessed through the district web address at www.gwinnett.k12.ga.us

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| **AKS Strands** | **Units/Topics** |
| 1. Process Skills 2. Numbers and Operations 3. Geometry 4. Algebra 5. Data Analysis and Probability 6. Reading Across the Curriculum | First Semester:  1 – Ch. 2.1-2.3 Functions and Graphs 2 – Ch. 5.1-5.3 Intro to Trig Functions 3 – Ch. 5.4-5.6 Graphs of Trig Functions MIDTERM 4 – Ch. 6.1-6.5 Trig Identities and Inverses 5 – Ch. 6.7,6.8 Trig Equations 6 – Ch. 7.1-7.5 Applying Trig principles 7 – Ch. 8.1, 8.4 Vectors and Polar Coordinates  Second Semester:  1 – Ch. 2.4-2.5 Functions  2 – Ch. 3.1, 3.2, 3.6, 3.7 Polynomial Functions 3 – Ch. 3.3-3.5 Rational Functions 4 – Ch. 4.1-4.2 Exponential/Logarithmic Functions MIDTERM 5 – Ch. 4.3-4.6 Apply Exp/Log Functions 6 – Ch. 11.1-11.3 Sequences and Series 7 – (Companion Material) Data Analysis and Probability |

### Instructional Materials and Supplies

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| **Published Materials** | **Instructional Supplies** |
| **Precalculus: Enhanced with Graphing Utilities, Sullivan & Sullivan**  Cost: $102.47 | 1. Pencils, pens, & colored pencils 2. 3 Ring Binder or Spiral Notebook, Paper, & Graph Paper   3. Calculator is encouraged but not required |

**Evaluation and Grading**

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| **Assignments** | **Grade Weights** | **Grading Scale** |
| Classwork & Homework  Chapter Tests  Quizzes (scheduled and unannounced)  Midterm  Performance Final  Final Exam | Classwork & Homework 5 %  Quizzes 30 %  Chapter Tests 40 %  Midterm 5 %  Performance Final 5 %  Final Exam 15 % | A: 90 and above  B: 80 – 89  C: 74 – 79  D: 70 – 73 F: 69 or below |

**Other Information**

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| **Expectations for Academic Success** | **Additional Resources/Requirements** |
| 1. Encourage your classmates 2. Do Homework & Classwork daily 3. Ask questions 4. Come to class prepared 5. Complete any reviews for tests/quizzes 6. Redo problems missed to better yourself 7. Challenge yourself to continuously improve | The best way to achieve the grade you desire in this class is to keep up with the daily work. Daily practice with Trigonometry is just like practicing any skill or sport; if you continue practicing, you get better. And when you need some extra help ask questions and get help during your lunch time from me, another teacher, or a friend. I want to you be successful in this course and in all math classes later in life. I believe in you! You Are Good At MATH!!! |

*The syllabus may be updated as needed throughout the year at the teacher’s discretion.*

Students, please fill in the following questions:

1. What is going to be your grade in this class?
2. Why do you want this grade?
3. How will you obtain this grade?

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 Student Signature Date