DeLand High School
Course Syllabus
2017-2018

Teacher Name: Mr. Manning   Term: all year   .

Course Name: Geometry   Course #: 1206300

Textbook(s) Used: McGraw Hill Geometry

Other Materials Needed: paper, pencil, workbook (provided)

Course Objectives: This course develops the concepts and skills associated with the basic terms and investigation of geometric figures. Transformations, triangle relationships, measurements within a plane and space will be investigated. We will also research reasoning, parallel lines, congruency, and properties of quadrilaterals.

Major Units/Topics/Themes:

Tools of Geometry	Reasoning and Proof
Perpendicular and Parallel Lines	Congruent Triangles
Relationships with Triangles	Polygons and Quadrilaterals
Similarity	Right Triangles and Trigonometry
Transformations	Area
Volume	Circles

FSA End of Course Assessment: Reporting Categories and Percentage of Test: Congruence, Similarity, Right Triangles, and Trigonometry = 46% Circles, Geometric Measurement, and Geometric Properties with Equations = 38% Modeling with Geometry = 16%

*** Make-up Work Policy: students should refer to the school policy as found in the handbook for acquiring and receiving credit for all make-up work. It is the student's responsibility to request work from when they were absent.

Geometry
Student Guide
Mr. Manning

Email: jmanning@volusia.k12.fl.us

Materials:
Student materials needed every day: organized notebook, paper, pencil and/or pen

Make-Up Work:
All make-up work is the student's responsibility. Please see me the day you return to receive any work that you have missed.

Grading

District grading categories:

Diagnostic Assessment: 0%

Formative Assessment: 40%

Summative Assessment: 60%

District grading scale:

A: 90 – 100

B: 80 – 89

C: 70 – 79

D: 60 – 69

F: below 60

Always be ready for a short, unannounced quiz. Quizzes provide feedback, allowing you to monitor your progress. I take quiz and test security very seriously. Academic dishonesty will not be tolerated and will result in a score of zero.   Additional steps may be taken when warranted.

Class Rules
1. Please be on time.
2. Please come prepared for class.
3. Be respectful of others and of others' property.
4. Be open to others' ideas.
5. Follow all school rules and policies.

Consequences
First offense - *warning*
Second offense - *change of seat*
Third offense - *phone call home*
Fourth offense - *referral to office*

In the event of a severe disturbance, the referral will be immediate.

Teacher's Authority to Override Final Grade: A teacher may override the final grade if a student's overall performance warrants it. Before the grade override is finalized, the teacher must notify the parent/guardian concerning the student's performance if the override may result in a lower final grade. The teacher may issue a failing grade override based on the student's overall performance only with the approval of the principal. This refers to the final grade of the grading period, or the final grade for the course.

*Tutoring will be offered most mornings from 6:55 to 7:15 and most Wednesday afternoons from 1:45- 2:45 or can possibly be arranged at other times by appointment.

DeLand High School
Course Syllabus
2017-2018

Teacher Name: Mr. Manning   Term: all year   .

Course Name: Geometry Honors   Course #: 1206310

Textbook(s) Used: McGraw Hill Geometry

Other Materials Needed: paper, pencil, workbook (provided)

Course Objectives: This course develops the concepts and skills associated with the basic terms and investigation of geometric figures. Transformations, triangle relationships, measurements within a plane and space will be investigated. We will also research reasoning, parallel lines, congruency, and properties of quadrilaterals.

Major Units/Topics/Themes:

Geometry Fundamentals   Circle Concepts
Geometric Properties   Transformational Geometry
Properties of Polygons and   Two-Dimensional Measurements
        Quadrilaterals   Three-Dimensional Measurements
Triangles   Right Triangles and Trigonometry
Similarity

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Geometry Honors
Student Guide
Mr. Manning

Email: jmanning@volusia.k12.fl.us

Materials:
Student materials needed every day: organized notebook, paper, pencil and/or pen

Make-Up Work:
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Grading

District grading categories:

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Formative Assessment: 40%

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DeLand High School
Course Syllabus
2017-2018

Teacher Name: __Mr. Manning__   Term: __all year__ .

Course Name: __IB Mathematics SL (Senior)__   Course #:   __1202810P__

Textbook(s) Used: : __Mathematics for the international student;__ Haese & Harris

Other Materials Needed: paper, pencil, notebook, graphing calculator recommended

Course Objectives: The ultimate aim of this course is to prepare students for the IB exam during their senior year in the Mathematics SL area.
Major Units/Topics/Themes: (Two year course)
Topic 1—Algebra   The aim of this topic is to introduce students to basic algebraic concepts and applications. Topics include arithmetic and geometric sequences and series, exponents and logarithms, and the binomial theorem.
Topic 2—Functions and Equations   We will explore the notion of function as a unifying theme in mathematics and apply functional methods to a variety of mathematical situations. Topics include definition of functions, composite and inverse functions, graphing of functions, transformations of graphs, reciprocal functions and quadratic, exponential and logarithmic functions.
Topic 3—Circular Functions and Trigonometry   The aims of this section are to explore circular functions and to solve triangles using trigonometry. Topics include the unit circle, radian measure, defining sine, cosine and tangent, solving trigonometric equations, and solving triangles.
Topic 4—Vectors   The aim of this section is to provide an elementary introduction to vectors. This includes both algebraic and geometric approaches. Topics included in this section are defining vectors, components of vectors, the sum and difference of 2 vectors, multiplication by a scalar, magnitude of a vector, unit vectors, position vectors the scalar product of 2 vectors, perpendicular and parallel vectors and distinguishing between coincident and parallel lines.
Topic 5—Statistics and Probability   The aim of this topic is to introduce basic concepts of descriptive statistics, basic probability, modeling data, and correlations. We will use a graphing calculator to help us. The emphasis is on understanding and interpreting the results obtained.
Topic 6—Calculus   The aim of this section is to introduce students to the basic concepts and techniques of differential and integral calculus and their application. Topics covered include limits, convergence, derivatives (1st and 2nd), integration (definite and indefinite integrals) and points of inflection.

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IB Calculus SL (Senior)
Student Guide
Mr. Manning

Email: jmanning@volusia.k12.fl.us

Materials:
Student materials needed every day: organized notebook, paper, pencil and/or pen

Make-Up Work:
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Grading

District grading categories: District grading scale:

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