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**Course Description**:

IB Mathematics HL is a higher level IB course designed to familiarize and challenge students with the mathematics of algebra, functions and equations, circular functions and trigonometry, vectors, statistics, and calculus. As with all IB courses, Mathematical Studies HL will employ a rigorous work schedule and work to expand your knowledge. It is imperative that all students taking this course are dedicated to the betterment of their mathematical experience in the high school setting as well as their preparation for higher education.

**Materials**:

* Higher Level Mathematics 2012 edition – Wazir, Garry
* TI-Nspire Graphing Calculator is strongly recommended
* 3-Ring Binder for notes, handouts, and homework assignments
* Pencils, Pens (blue or black ink), Colored Pencils
* Anything you feel would help your success

All materials should be brought to class each day unless notified differently by Mr. Myers

**Homework**:

You are expected to read and complete homework problems on a nightly basis. The load at times may seem overwhelming, but this is to be expected with a college level course. The work load will not be unreasonable. Homework may include reading, taking notes, vocabulary, and practice problems. All of which will be assessed on the due date. Homework-quiz grades will consist of 10% of your overall grade.

**Quizzes and Tests**:

Quizzes will be used periodically to check the progress of your mastery throughout each unit of study. The announcement of an upcoming quiz is at the discretion of Mr. Myers. Any missed quizzes should be made up on the student’s first day back in class. Unit/chapter tests are designed to assess a student’s cumulative knowledge. They will incorporate all skills learned prior to the test. Tests must be made up within three days of the date given. Quizzes and Tests may only be made up if the absence is excused, or if prior arrangements have been made. ***Retakes will only be available for the first test of the year***. After that no retakes will be given.

**Absence and Tardy Policy**

It is imperative that students be present on all class days. One day missed can snowball into an overwhelming sense of disorientation and vertigo, and it may be difficult to catch up. Students are responsible for all work missed. This means that ***you*** must ask for the assignment missed. Mr. Myers will not be there to stand over you and make sure make up work is completed. It is *your* responsibility. It would be beneficial to check the class website for assignments and other material. Other students are also an excellent source for discovery what you may have missed.

Make up work will be accepted only from ***excused absences***. This includes exams, quizzes, homework, and projects. Staying out of school is BAD and not rewarded with an extra day to complete work. If you are present at school in body or mind on a due date, the work must be turned in. If you are unable to make my class, submit the assignment in my box, in my hand, or by email by the end of your class period.

**Internal Assessment**:

The Mathematics HL internal assessment is a mathematics exploration. A more detailed explanation of the IA and due dates will be issued at a later time during the first semester.

**Grading**:

The 10-point grading scale set forth by GCS will be followed in this course.

Each Nine Weeks: Homework – 10%, Quizzes – 30%, Tests/Projects – 60%

**Extra Help**:

I want you to succeed, and I feel that all students can succeed given the right tools. I love math and would be ecstatic to help others love it too! It is not difficult to keep up with the class, but if you do get behind it is extremely difficult to catch up. I will be available most mornings by appointment. (Just let me know you are coming in) I will also be available Monday afternoons for tutoring. Extra help sessions are for help only. Do not come in seeking the answers to homework problems, as answers will not be given and you will be shunned like a non-believer. (SHUN THE NON-BELIEVER….SHUNNNNNN). Review sessions before tests will be held if there is a student interest. I can also assist over email. I AM HERE TO HELP!!

**IB Honor Code**:

All students will adhere to the high standards set forth by the International Baccalaureate Program. Academic honesty is a set of values and skills that promote personal integrity and good practice in teaching, learning and assessment. It is influenced and shaped by a variety of factors including peer pressure, culture, parental expectations, role modeling and taught skills.

**Academic dishonesty** includes, but is not limited to, plagiarism, collusion and cheating on examinations.

IB Candidates must appreciate the merits of academic honesty, but there must be no uncertainty over the consequences of acting in a dishonest manner or failing to observe the standard academic practice of acknowledging the work of another person. To do so would be a breach of the general regulation and constitute malpractice and expulsion from the Diploma Programme.