



Dr. Shane Goldstein Smith, *Interim Principal*

Karen Schmidt, *Elementary Head of School*
Erica F. Gagne, *Middle & High School Head of School*

Course Syllabus

Class Title:	Pre-Calculus
Instructor:	Mr. Stone
Email Address:	dgstone@cps.edu
Teacher Website:	activelearning.info
Office Hours:	6 th or 7 th period or after school—please give notice if possible to ensure I will be there.

IB Mission Statement

The International Baccalaureate aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. To this end the organization works with schools, governments and international organizations to develop challenging programmes of international education and rigorous assessment. These programmes encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.

IB Learner Profile

<i>Inquirers</i>	<i>Knowledgeable</i>	<i>Thinkers</i>
<i>Communicators</i>	<i>Principled</i>	<i>Open-Minded</i>
<i>Caring</i>	<i>Risk-Takers</i>	<i>Balanced</i>
	<i>Reflective</i>	

Course Summary

Algebra is the foundation for all further mathematics. To have a thorough understanding of the content of this course is essential to be ready and confident to be successful in your further math studies.

This course is also being taught using **mastery learning**. Through Moodle you will have the opportunity to take and re-take many of your assignments. These assignments are not to be done just to say “I did my homework.” Every assignment has a **purpose** which is to **help you learn** the content. If you do not get 100% in an assignment, you should review your notes, work with your peers, and consult your teacher so you can try again.

Your goal is to **master** the course content!



Standards Addressed

The course is designed following the Common Core State Standards for High School Algebra. Specific standards addressed per unit are available upon request.

Course Materials

Teacher will provide....	Student is responsible for....
<ul style="list-style-type: none"> A textbook Additional instructional material online via PDF and video Course content including assignments and links to instructional material through Moodle at activelearning.info Positive support to help you do your best 	<ul style="list-style-type: none"> Accessing Moodle through activelearning.info A TI-84 graphing calculator The motivation to do your best and be your best in order to achieve success in class and in your future goals and dreams Fez (optional—for in-class wear on Fridays only)

Grade Scale

A	100-93	B	92-85	C	84-77	D	76-69	F	68 and below
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Grade Categories

CATEGORY	PERCENTAGE	FREQUENCY
Formative assessments: class work, bell ringers, discussions, class participation, etc.	35%	Approximately 3 per week
Homework	10%	Approximately 4 times per week
Quizzes	10%	1 per week
Summative Assessments: Written tests, essays, and summative projects	35%	Minimum 2 per quarter
Semester Final	10%	1/semester

Zero Policy

Any grade put into GradeBook under the “Homework” category that has not been turned in to the classroom teacher will receive a Zero (0%). Students that make an attempt at completing any homework assignment will receive at the minimum a sixty-percent (60%).

Students may turn in homework assignment after the scheduled due date with a penalty up to the classroom teacher’s discretion but will, at the minimum, receive a sixty-percent (60%)

Late homework assignments will NOT be accepted after the completion of the corresponding unit.



General Classroom Procedures

Rules & regulations as outlined in the Student Code of Conduct (SCC) will be strictly enforced for each student. In addition, students in this class are expected to:

- Work with their peers in a collaborative, positive manner
- Respect everyone in the classroom
- Bring their best effort to class every day
- Not eat or drink in the classroom, with the exception of water
- Use technology responsibly

Computer Access and Usage

Students who do not have access to a computer at home must make special arrangements for access to complete assignments. All essays and projects required for class **must be typed** unless otherwise noted. This allows for students and teachers to easily grade, edit, save, and access student work. Students will not always be given lab time to complete assignments during class. **It is the student's responsibly to complete work and print out assignments BEFORE arriving to class.**

Course Plan

Unit	<u>MYP Unit Question/DP Topic</u>	<u>Concepts covered in unit</u>	<u>Summative Assessment</u>
1	Functions and Fundamentals	Anatomy of functions; describing function behavior	Unit Exam
2	Trigonometric Functions	Unit circle; graphing and manipulating trigonometric functions	Culminating Project
3	Applied Trigonometry	Non-right triangle trigonometry	Investigation
4	Polar Coordinates and Matrices	Graphing and interpreting on polar coordinate plane; solving systems of equations and basic linear algebra	Investigation
5	Exponential and Logarithmic Functions	Interpreting behavior and modelling through exponential and logarithmic functions	Culminating Project
6	An Introduction to Calculus	Derivatives and examining functions through change	Unit Exam



Using Moodle

Moodle is the name of the learning management system (LMS) used in the course. Students are expected to complete assigned work through Moodle. This requires a device with internet access. Students are encouraged to bring a device to class to do this work. Each student is responsible for the safety and security of their own device. Some devices will be available for students to share if they do not bring a device with them. Computer labs are also available after school, and all Chicago Public Libraries offer internet access as well. (The closest library to Ogden is West Town at 1625 W. Chicago.)

Certificates

Students must complete all assignments and tasks for a given section at a set percentage or higher to get a certificate in a section. Students will be able to track certificate progress as they proceed through the course. Grades for certificates are entered in the Formative Assessment category in Gradebook as follows:

Level	Assignment and Quiz Percentages	Additional Activity Requirements	Grade Entered Into Gradebook for Certificate
Bronze	75% or higher	Bronze level minimum	80%
Silver	85% or higher	All Bronze and Silver level requirements	90%
Gold	95% or higher	All Bronze, Silver, and Gold level requirements	100%

All students are expected to earn a minimum of Bronze in each section.

Assigned Videos and Text

To make the most of our class time, many homework assignments are to view videos and take notes and/or read a selection of text and take notes. Not keeping up with these assignments will put you behind in class. Bring in any questions you have to discuss the next day. Be prepared to show your notes for what you have questions on. If you do not have notes to show, then you must view the video or read the text and get notes before discussing this with the teacher.

Notebooks and Grading

All work from assignments (i.e., everything that leads to the solutions) and notes should be kept in the student’s notebook. Notebooks will be evaluated periodically throughout the semester. Notebooks will be graded based on quantity and quality of notes and work recorded.

Each notebook task you take should be marked with a section header consisting of date and topic. For example:

11/5/13 Proofs in Geometry

Participation

A good part of your grade comes from participation. Bring your best effort to class every day for full credit.



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Academic Honesty Policy

The Ogden International School of Chicago’s Academic Policy supports the school’s mission statement to “focus on a curriculum that immerses an individual in a rich and safe environment, to obtain awareness of world cultures through language, studies, and interactive field experiences, to apply skills necessary for global citizenship and competency,” and to purposely align the Ogden policy with the IB policy on Academic Honesty.

For all students, the school and IBO expect and support student integrity in conducting research, preparing work and projects, test-taking, and collaborating with others. The school recognizes that in a knowledge-based century the value of knowledge is high, and the freedom to share knowledge is essential. Academic dishonesty devalues knowledge and creates an atmosphere in which undue restrictions must be placed on the sharing of knowledge.

Academic honesty: *Behaving and working honestly in researching and presenting schoolwork. This includes respecting the ownership of the ideas and material of other people and behaving appropriately when sitting for class.*

Plagiarism: *The representation of other’s thoughts or work as the student’s own in order to gain an unfair advantage. This includes using others work without citation or sourcing.*

Collusion: *Allowing one’s work to be copied or submitted for assessment by another. There are times when students will collaborate with other students to complete their work. However, the final work must be independently produced, despite the fact it may be based on the same or similar data and/or research as another student.*

Duplication: *Presentation of the same work for different assessment components or course requirements.*

Cheating: *Gaining an unfair advantage, including but not limited to:*

- *Falsifying a record, data, etc.*
- *Using notes or a test*
- *Commissioning another person to do the work*
- *Using an electronic language translator to ‘launder’ language*
- *Submitting work which has been submitted by yourself or another student for a previous or different assessment task or for a task at a different school*
- *Stealing papers, or downloading free papers from the internet*
- *Having a parent or tutor do assignments/assessments*

In addition to academic strengths, it is assumed that one’s participation in IB is indicative of character traits which align with the IB Learner Profile. Specifically, IB students are required to be principled learners who act with honesty and integrity. Without exception, Ogden students are expected to adhere to a policy of strict academic honesty. Such a policy requires that students carefully scrutinize their own actions and behaviors for incidences of cheating/plagiarism.

The aforementioned actions and behaviors have the potential to severely compromise the academic integrity of the individual and The Ogden International School of Chicago as an institution. Under no circumstances will any such behaviors go without penalty. Minimum penalties include academic sanctions for the individual/s involved in accordance with the CPS Uniform Discipline Code. Major infractions will be handled by both the teacher and administration.

STUDENT and PARENT DECLARATION

I have read, understand, and agree to abide by The Ogden International School of Chicago’s Academic Honesty Policy. All Ogden students and their parents are required to review and sign the Academic Honesty Policy.

Student Name: _____ **Date:** _____

Student Signature: _____ **Grade Level:** _____

Parent Signature: _____