



Burbank High School

Syllabus

Teacher: Myranda Hess

Subject: IB Math SL (Room 209)

Conference: 1st Period

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School Year: 2020-2021

I. Course Description

This course caters for students who already possess knowledge of basic mathematical concepts, and who are equipped with the skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration.

II. Course Goal

The course goal is that 100% of students pass and or exceed the IB Math Paper 1, Paper II, and IA with a 4, 5, 6, or 7, and are fully prepared for College Level Math.

III. Course Content

The following units are to be covered:

Syllabus component	Suggested teaching hours—SL
Topic 1—Number and algebra	16
Topic 2—Functions	31
Topic 3—Geometry and trigonometry	18
Topic 4—Statistics and probability	36
Topic 5—Calculus	19
The “toolkit” and Mathematical exploration Investigative, problem-solving and modelling skills development leading to an individual exploration. The exploration is a piece of written work that involves investigating an area of mathematics.	30
Total teaching hours	150

IV. Grading Criteria

The student's semester grade will be based on the following:

Type of Work	Category	Percentage (%)
CLASS WORK/ NOTES/ HOMEWORK/EXIT TICKET	I	60%
UNIT EXAMS	II	40%

V. Materials Needed Daily

- Pencils and Eraser
- Graphing calculator -- You may provide your own TI-Inspire or use a calculator from our class set. Class set calculators are not available for check-out.

VI. Make-Up Work Policy for Absences

All assignments missed because of an excused absence will be made up by the end of the week of the student's return to class. Assignment not made up will be graded as a zero. **All missed quizzes and exams must be made up after school, and scheduled with the teacher beforehand.**

VII. Tutoring

- Tutoring is available before school Monday through Friday.
- By Appointment
- I will let you know if I will not be available ahead of time.