

IB Mathematics Analysis and Approaches

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OVERVIEW

This course is taught in a 2-year sequence. Separate from your report card grade, your IB credit for this course will be determined by a written project (IA) and the 2-part IB exam in May of the second year.

YEAR 1

Quarter	Main Topic	Special Assignments
1	Measurement, Algebra, Sets, Sequences	--
2	Probability, Statistics	
3	Statistics, Functions	
4	Logic, Financial Math, Geometry	

YEAR 2

Quarter	Main Topic	Special Assignments
1	Binomial Expansion, Trigonometry	--
2	Calculus Differentiation	Start of Internal Assessment
3	Calculus Integration	Internal Assessment due
4	Review and test practice	

* A complete list of topics is available in the course guide posted in Canvas

CLASS SUPPLIES:

You will be assigned a copy of *Mathematics Analysis and Approaches SL (Hodder Education)*

You will sign out a Ti-nspire cxii Calculator

You need to provide: Loose leaf paper, 3-ring binder or folder, graph paper, dry erase marker

ASSIGNMENTS

- **Assignments on spiral notebook paper will not be accepted.**
- Assignments must be done in pencil unless you are told otherwise.
- Graphing calculators may be used on all assignments unless you are told otherwise.
- You are expected to do your own work on individual assignments and to contribute equally on group assignments.
- If you are found cheating or plagiarizing on any assignment, you will get a '0' for that assignment and be referred to the IB Program office. This includes both *giving* answers to someone and *receiving* answers from someone.

LATE/MISSED WORK

- Assignments are due at the beginning of class.
- Late work will be penalized accordingly. I will enter a 'Z' (zero) in the grade book for anything not turned in on the due date. If you never turn in the assignment, you'll keep the zero.
- If you miss class, see me the next day to schedule a make-up for any work you missed.
- It is your responsibility to know and understand these policies. I will not chase after you for missed work. If I happen to remind you, consider it a lucky break but don't rely on it.

GRADING:

Due to technology doing math for many students, the majority of the student's grade is earned in the classroom in front of the teacher

- Your school grade for each 9-week marking period is determined as follows:

Exams	50%
Classwork	30%
Homework	10%
Bellwork	10%
- Your IB grade for the course is determined by:

IB Exam Paper #1 (May)	40%
IB Exam Paper #2 (May)	40%
Portfolio (one IA project submitted to IBO)	20%
- HW assignments are your chance to find out if you really understand what we've been doing – before the exam. HW is graded on the following 5-point scale:

0 pts.	HW not attempted, or not brought to class
3 pts.	some work attempted, or work not shown
4 pts.	most work attempted, with work shown
5 pts.	nearly all work attempted and well organized

EXTRA HELP

I will be available most mornings and after school. It is best to tell me in advance when you want help so I can confirm availability.

Expectations

Each Analytic Geometry/Trigonometry student will be held to HIGH expectations at all times. The following expectations serve as the foundation for effective learning and skill development in the classroom.

- Respect yourself and one another at all times
- Be prepared for class every day with all necessary materials and completed homework
- Class time is for class activities
- Academic Achievement is our top priority at all times
- **Cheating and plagiarism** will not be tolerated. Active or passive participation in cheating or evidence of cheating will result in a zero grade and disciplinary action

Classroom Procedures

- No food or drink, other than clear bottled water, is allowed in the classroom
- Be in class early – write any problem from your homework you have difficulty with on the board
- Sit in your assigned seat and begin the bell work assignment. The bell work timer will begin promptly at the bell and will be collected immediately after the time goes off.
- Open to your homework – if you can discuss one of the problems from the board write your name next to it
- When the bell rings, remain in your seat until the teacher dismisses you. The teacher is the only person with this power.

Have a great year!!