

St. Thomas High School
Course Outline/Evaluation Criteria

Teacher's Name:	S. Broden		
Course:	Math 434	Year:	2015-16
	Cultural, Social & Technical Option		
Level:	Cycle 2 Year 2 (Secondary 4)	Program:	IB IMM REG
Prerequisites:	Math 306 or Math 386		
Objectives:	<p>General Objectives:</p> <ul style="list-style-type: none"> <input type="checkbox"/> To encourage students to take an active part in their own learning <input type="checkbox"/> To encourage students to use a problem-solving approach at every stage in the learning process <input type="checkbox"/> To help students develop the ability to analyze statistical data <input type="checkbox"/> To encourage students to use <i>appropriate</i> technology 		
*IBO Program Links	<ul style="list-style-type: none"> <input type="checkbox"/> Approaches to Learning: <ul style="list-style-type: none"> ✓ Problem solving techniques ✓ Choosing and representing relevant information ✓ Looking for and establishing patterns <input type="checkbox"/> Global Contexts <ul style="list-style-type: none"> ✓ Identities and Relationships ✓ Orientation in Space and Time 		
Required Text:	Visions Math 4CST, Volumes 1 and 2		
Materials:	Two quad notebooks for notes and work Looseleaf/graph paper (for homework/assignments) Duo-tang/pocket folder (or a small binder for handouts/tests, etc) Pencils, eraser, graph paper, ruler, highlighter Scientific calculator		
Evaluation Criteria:	<p><u>Evaluation:</u> Each term students will be evaluated through the use of a minimum of 3 tests. Other evaluation methods may include:</p> <ul style="list-style-type: none"> • Quizzes and homework assignments • Projects • Learning Evaluation Situations • Mid-year and End of Year Application Exam • End of Year Situational Problem Exam 		

Breakdown of Competencies

Competency 1 (weighted 30%) — Solves a Situational Problem

This is a dynamic process that involves constantly going back and forth among the problem-solving stages and calls for the ability to anticipate, use discernment and exercise critical judgment. This competency will be evaluated in Terms 2 and 3.

Competency 2 (weighted 70%) — Uses Mathematical Reasoning

This involves looking for patterns, describing, combining, inventing or visualizing in order to discover, verify, explain, justify, generalize or persuade. This competency will be evaluated each term.

**** Note:** despite each competency being weighted, grades for each competency will be reported out of 100.

Missed Assignment/Test Policy:

Any assignments, quizzes or tests that are missed can ONLY be made up or omitted if:

- a) prior arrangements were made for a predictable absence
- b) evidence is supplied that the absence or tardiness was unavoidable, unpredictable and legitimate

Arrangements to catch up with work missed is entirely the responsibility of each student and is expected to be done, whenever possible, before the next class. **If arrangements are not made within a reasonable time (a few days back) then the opportunity is lost and the score will remain as zero.**

Content:

- ✓ Functions
- ✓ Analytic Geometry
- ✓ Trigonometry
- ✓ Statistics: Correlation & Linear Regression

Contact Information:

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