

Foundations of Mathematics 110

COURSE SYLLABUS 2017-18

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**COURSE DESCRIPTION:** This course is a pre-requisite for the Pre-Calculus pathway. It is also a pre-requisite for Foundations of Mathematics 120, providing a pathway designed for entry into post-secondary academic programs *not* requiring pre-calculus.

**COURSE CONTENT:** Financial Mathematics (Chapters 8 & 9)

Inductive & Deductive Reasoning (Chapter 1)

Properties of Angles & Triangles (Chapter 2)

Trigonometry (Chapters 3 & 4)

Quadratic Functions & Equations (Chapter 6)

Systems of Linear Inequalities (Chapter 5)

**EVALUATION:** Students will be evaluated under the following marking scheme:

**40% TESTS 30% OTHER ASSESSMENTS 30% EXAM**

If a student is unsuccessful under the above distribution, then he/she will be re-evaluated by: \*

20% TESTS 20% OTHER ASSESSMENTS 60% EXAM

\*If a student is successful under the second distribution, then he/she will receive a **final mark of 60%.**

**CLASS NOTES:** Throughout the semester, I will be posting class notes on my Wikispace. I highly recommend that you print these notes for class each day as they include examples, definitions, explanations, formulas, etc. for the concepts that we will be studying in this course. The examples in the notes are “working-examples” that we will work through together in class. A completed set of notes for a particular topic, unit, and (eventually) the semester can help you do the classwork / homework and prepare for in-class assignments, tests, and the final exam as they will provide a good summary of what has been covered. <http://tarascholten.wikispaces.com>

**REMINDERS:** If you would like to sign up to receive text reminders for this course, please text the message @found11 to

the number 506-802-8605.

**RECOMMENDED MATERIALS:** Text book,class notes from my Wikispace,binder with loose leaf and graphing paper, pencils, scientific calculator, eraser. Graphing calculators or calculators which give tables are not permitted during assessments.

**WORKLOAD:** Homework will be assigned to reinforce the concepts covered in class and is a critical part of gaining understanding and mastery of the topics taught in this course. You will be expected to complete all homework, including homework assigned on days when you are absent from class. You will be assessed regularly via in-class assignments (which will be based on recently assigned homework/classwork), and tests. Remember, ***this is an elective course***. It is expected that the motivation to keep up with in-class work, as well as homework, will be maintained ***throughout the semester***.

**ATTENDANCE:** Regular attendance is necessary to be successful in this course. If you are absent on any given day,

then it is **your** responsibility to catch up on the notes and work that you missed.

**EXTRA HELP:** Extra help will be offered in my classroom at lunchtime Tues, Wed & Thurs. Please seek assistance on the *first* day that you discover that you are experiencing difficulty, otherwise the work can become overwhelming.

**MATH DEPARTMENT POLICY FOR MISSED EVALUATIONS:** Students should be prepared to write any missed evaluations upon their return to class. Non-valid absences will result in the student receiving 60% of the grade obtained.

I hope that you will have a happy and successful semester!