



Loyola

HIGH SCHOOL

Secondary 5 TS Mathematics Course Outline 2021-2022

Teacher: Mr. C. Solari
Email: solaric@loyola.ca

Resources:

- Moodle
- Math Help Services

Required Materials:

- TI-30XIIS Calculator (required)
- Pencils and erasers
- Ruler
- Chromebook

Students must have the required materials every class and must write all evaluations in pencil only.

Homework and Assignments:

All notes, classwork, homework, and assignments will be posted on Moodle and students may be required to upload their completed notes and assignment solutions online.

Math Help Services (MHS) videos and homework will be assigned roughly every class and must be completed by the due date posted. Weekly assignments will take place and are expected to be completed by the due date posted. Late assignments may be subjected to a 20% deduction per day late.

Evaluations:

Weekly quizzes may be given without prior warning to evaluate understanding of course material. Class tests will be given throughout the term. If a student is absent during an evaluation, they must make arrangements to write a make up upon the first day returning to school. Failure to do so will result in a late penalty.

Situational problems will be given a minimum of once per term.

Extra Help:

A schedule will be posted and updated on Moodle. Students experiencing difficulty in the course should make arrangements right away with their teachers and get help as needed.

Term Breakdown:

Term 1 (40%)

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|-------------------------------------|-----|
| - Homework, Quizzes and Assignments | 20% |
| - Class Tests | 50% |
| - December Evaluation | 30% |

Term 2 (60%)

- | | |
|-------------------------------------|-----|
| - Homework, Quizzes and Assignments | 20% |
| - Class Tests | 50% |
| - Final Exam | 30% |

*Grade allocation is tentative and subject to change based on course progression.

Course Topics (Subject to change based on timing):

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|---|----------------------------|
| - Real Number Functions | - Conics |
| - Quadratic | - Circles and Ellipses |
| - Absolute Value | |
| - Square Root | - Trigonometry |
| - Greatest Integer | - Unit Circle |
| - Rational | - Sine and Cosine Function |
| - Piecewise | - World Problems |
| | - Identities |
| - Exponential and Logarithmic Functions | - Equations |
| - Graphing and properties | |
| - Growth and decay | - Optimization |
| - Compound interest | - System of Inequalities |
| - Expressions | - Polygons of constraints |
| - Equations | |