



# Course Overview

**ST. MARY CATHOLIC SECONDARY SCHOOL**

1918 Whites Road, Pickering, Ontario L1V 1R9  
Telephone (905) 420 - 7166 Fax (905) 831-1778 [stmary.cdcsb.ca](http://stmary.cdcsb.ca)

|                                 |                       |             |  |         |              |
|---------------------------------|-----------------------|-------------|--|---------|--------------|
| <b>Academic Year</b>            |                       | 20xx-20xx   | <b>Teacher Name:</b>                           |         | Mr./Mrs. xxx |
| <b>Department:</b>              |                       | Mathematics | <b>Curriculum Chair:</b>                       |         | Mrs. Chang   |
| <b>Course Title</b>             | 12 Advanced Functions |             | <b>Course Code</b>                             | MHF 4U1 |              |
| <b>Prerequisite</b>             | MCR3UA or MCR3U1      |             | <b>Grade</b>                                   | 12      |              |
| <b>Level</b>                    | University            |             | <b>Credit Value</b>                            | 1       |              |
| <b>Instruction Units</b>        |                       |             |  |         |              |
| Unit 1: Polynomial Functions    |                       |             | Unit 4: Trigonometric Equations and Identities |         |              |
| Unit 2: Rational Functions      |                       |             | Unit 5: Exponential and Logarithmic Functions  |         |              |
| Unit 3: Trigonometric Functions |                       |             | Unit 6: Combining Functions                    |         |              |

| <b>Student Evaluation Criteria</b> |             |          |               |                                       |     |
|------------------------------------|-------------|----------|---------------|---------------------------------------|-----|
| <b>Term Work</b>                   |             |          |               | <b>Culminating Activities</b>         |     |
| Knowledge and Understanding        | Application | Thinking | Communication |                                       |     |
| Major assessment & Evaluation      |             |          | 50%           | Exam                                  | 30% |
| Minor assessment & Evaluation      |             |          | 20%           |                                       |     |
| <b>Term Total 70%</b>              |             |          |               | <b>Culminating Activity Total 30%</b> |     |

| <b>Classroom Policies &amp; Procedures</b>   |
|--|
| <ul style="list-style-type: none"><li>• Arrive to class on time and in uniform and bring all necessary materials to each class</li><li>• Late and missed assignment(s) may result in the following:<ul style="list-style-type: none"><li>○ Late Assignments: 5% off per day to a maximum of 5 days</li><li>○ Later than 5 days, a mark of zero can be assigned.</li></ul></li><li>• Work cooperatively with the teacher and other students</li><li>• Behave respectfully towards others in the classroom</li><li>• If absent, the student is responsible for obtaining all class notes/materials and completing any assigned work from the missed lesson(s).</li><li>• If a student misses any major assessment and evaluation without notifying the teacher ahead of time, then he/she may receive a mark of zero unless a doctor's note is provided.</li><li>• If any student is caught cheating or possessing unauthorized materials or electronic devices during an assessment and evaluation, then he/she will receive a mark of zero on the test/quiz and a parent or a guardian will be contacted.</li></ul> <p>Unauthorized materials include, but are not limited to: books, class notes, or aid sheets. Unauthorized electronic devices include any device that has internet/wireless/Bluetooth connectivity or otherwise may communicate with another person or device outside the exam room. The most obvious examples include cell phones, tablets/laptops, smart technology including smart watches with connectivity, and so forth.</p> |

**Please acknowledge that you have read this outline:**

|              |                          |
|--------------|--------------------------|
| <b>Date:</b> | <b>Parent Signature</b>  |
| <b>Date:</b> | <b>Student Signature</b> |