



GEORGE HARVEY COLLEGIATE INSTITUTE

MCF3M – Functions and Applications, Grade 11 University/College



Teacher: A. Chor

Revision Date: September, 2013

Assistant Curriculum Leader: A. Chor

Credit Value: One (1) Credit

Prerequisite: MPM2D Principles of Mathematics, Grade 10, Academic or
MFM2P Foundations of Mathematics, Grade 10, Applied

COURSE DESCRIPTION

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

TEXTBOOK Functions and Applications 11, McGraw-Hill Ryerson, 2008
ISBN Number: 9780070725966 (\$80.26 plus tax and shipping)

REQUIRED MATERIALS

- 3-Ring Binder
- Scientific Calculator
- Writing Utensils
- Student Agenda

COMMUNICATION OF STUDENT ACHIEVEMENT

Student progress and achievement are communicated to the students on an on-going basis through: interim progress reports, student-teacher conferences, verbal/written feedbacks, daily practices, formative assessments, and summative evaluations. See student agenda for detailed information on mid-term and final reporting of student achievement of curriculum expectations and learning skills.

Learning is the responsibility of the students. If students experience any kind of difficulty with their studies, access to remedial help is available from the teacher by arrangement. The teacher may contact parents/guardians regarding any concerns about student progress and achievement.

A parent/guardian may contact the teacher regarding any concern or issue about student progress and achievement in person (preferably by appointment), by phone (416) 394-3180 or via email at angel.chor@tdsb.on.ca

ACCOMMODATIONS FOR EXCEPTIONAL AND ESL/ELD STUDENTS

Appropriate accommodations for exceptional and ESL/ELD students are provided by the teacher following recommendations as outlined in each identified student's Individual Education Plan (IEP) and/or Annual Education Plan (AEP). See student agenda for more information.

ASSESSMENT/EVALUATION

The assessment/evaluation in this course may consist of a combination of the following:

- Quiz/Tests
- Assignments
- Notebook
- Culminating Activity
- Projects/Presentations
- Written Exam

See student agenda for detailed information on school policies regarding attendance, absences, late, homework, late assignments, missed work/evaluations, and academic integrity.

SUMMATIVE EVALUATION*

Summative evaluation is represented by a percentage grade which is a weighted average of the four achievement categories as outlined in the Ontario curriculum documents:

Achievement Categories	Knowledge	Thinking/Inquiry	Communication	Application
Percentage Weightings	30%	20%	20%	30%

Term Evaluation (70%):

Unit	Topic	Approx. Time	Evaluations
1	Quadratic Functions	14 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20
2	Factor Quadratic Expressions	14 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20
3	Represent Quadratic Functions	13 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20
4	Trigonometry	14 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20
5	Sine Functions	14 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20
6	Exponential Functions	15 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20
7	Compound Interest	12 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20
8	Annuities	14 Hours	Mini-Test (On-going) - wt. 10 Unit Test (End of unit) - wt. 20

Final Evaluation (30%):

Final evaluations cover all strands and overall curriculum expectations of the course, across all four achievement categories.

Final Exam	25%	End of course
Culminating Activity	5%	End of course

*Subject to change without further written notice

I have read the above information and I understand the expectations of this course.

Student Signature: _____

Parent/Guardian Signature: _____