



GEORGE HARVEY COLLEGIATE INSTITUTE

MCR3U – Grade 11 Functions, University Preparation



Teacher: E. Xherro
Assistant Curriculum Leader: A. Chor
Prerequisite: MCR3U, University Preparation

Revision Date: September, 2013
Credit Value: One (1) Credit

COURSE DESCRIPTION

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

TEXTBOOK: Functions 11. McGraw-Hill Ryerson: 2009
ISBN Number: 9780070009783 (\$83.68 CDN 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: etleva.xherro@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:

- Quizzes/Tests
- Notebook
- Projects/Presentations
- Assignments
- Culminating Activity
- 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	Functions	18 Hours	Mini-Tests (On-going) Unit Test (End of unit)
2	Transformation of Functions	18 Hours	Mini-Tests (On-going) Assignment (End of unit) Unit Test (End of unit)
3	Exponential Functions	15 Hours	Mini-Tests (On-going) Assignment (End of unit) Unit Test (End of unit)
4	Trigonometry and Trigonometric Functions	32 Hours	Mini-Tests (On-going) Assignment (On-going) Unit Test (End of unit)
5	Discrete Functions	13 Hours	Mini-Tests (On-going) Assignment (End of unit) Unit Test (End of unit)
6	Financial Applications	12 Hours	Mini-Tests (On-going) Assignment (End of unit) Unit Test (End of unit)

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: _____