**EAST YORK COLLEGIATE DEPARTMENT OF MATHEMATICS COURSE OUTLINE**

Date: September, 2016, February 2017

COURSE CODE: MFM 1D1

COURSE NAME: GRADE 9 ACADEMIC MATHEMATICS

CURRICULUM LEADER: MR. SINGH

PREREQUISITES: --

**Course Description**

This course is built on several units. These units are

a. Number Sense and Algebra;

b. Relationships

c. Analytic Geometry

d. Measurement and Geometry

The course enables students to develop generalizations of mathematical ideas and methods through the exploration of applications, the effective use of technology, and abstract reasoning. Students will investigate relationships to develop equations of straight lines in analytic geometry, explore relationships between volume and surface area of objects in measurement, and apply extended algebraic skills in problem solving. Students will engage in abstract extensions of core learning the core skills and deepen their understanding of key mathematical concepts.

How your child’s mark is broken down.

**Course work = 70%**

**Knowledge 50, Communication 10, Application 20, Thinking 20**

During the course, term work comprises 70%. We will evaluate students daily through formative assessments, assignments, quizzes and tests.

**Summative work:** 30 % [10% EQAO(Multiple choice + long answer, 20% Final Exam]

**Course Handout**

**Learning Skills:**

The following 5 learning skills will be assessed and assigned a letter grade: Independent work, Teamwork,

Organization, Work Habits, Homework, and Initiative. The possible grades assigned are: E (excellent), G (good), S

(satisfactory), and N (needs improvement).

**Assessment and Evaluation:**

Assessment: the process of gathering information from a variety of sources (including assignments, demonstrations, projects, performances, and tests) that accurately reflects how well students are achieving the curriculum expectations

 Evaluation: the process of judging the quality of a student’s work on the basis of established achievement criteria, and assigning a value to represent that quality. Students will be assessed using many of the following strategies: journals, performance tasks, exams, tests, quizzes, and reports/assignments.

**Missed Evaluations:**

If a student misses a test because of an *unjustified absence* they will receive a mark of “0” for that test or evaluation. If the absence is a *justified absence*, then the student may take the test when they return.

**Late Assignment Policy:**

Students must complete a missed or late assignment contract with the teacher once a due date has been passed. It is the **responsibility of the student** to initiate this process. Parental involvement will help to guarantee the completion of the assignment according to the revised due date.

Continued failure to hand in the work will result in an incomplete mark.

Incomplete marks may jeopardize the granting of a course credit if the teacher and administration feel the incomplete assignment represent essential overall expectations of the course.

**Late assignments will not be accepted once the marked assignment has been returned to the class.**

**The Credit System:**

A credit is granted in recognition of the successful completion of a course that has been scheduled for a minimum of 110 hours. Credits are granted by the principal on behalf of the Minister of Education and Training for courses that have been developed or approved by the Ministry. For the purpose of granting a credit, “scheduled time” is defined as the time during which students participate in the planned learning activities designed to lead to the achievement of the curriculum expectations of a course. Planned learning activities include interaction between the teacher and the student and assigned individual or group work related to the achievement of the learning expectations in the course.

**Attendance:**

Regular attendance at school is critical for the student’s learning and achievement of course expectations. Where, in the principal’s judgment, a student’s frequent absences from school are jeopardizing his or her successful completion of a course, school staff will meet with the student and the parents to explain the potential consequences for the absences, including failure to gain credits, and discuss the steps that could be taken to improve attendance.

**Contact Information:**

Please contact ***Ms. Kianpour*** at ***E.Y.C.I*** during school hours at ***416 396 2355 ext. 20080*** to discuss the contents of this course outline. The Ministry of Education website (http://www.edu.gov.on.ca) provides a wealth of information about the components of this course outline.

Information regarding the MPM1D curriculum:

http://www.edu.gov.on.ca/eng/curriculum/secondary/math.html

Information regarding assessment of the course:

http://www.edu.gov.on.ca/eng/curriculum/secondary/progplan912curr.pdf

Information regarding learning skills:

http://www.edu.gov.on.ca/eng/document/forms/report/sec/srepgde.pdf