

COURSE DESCRIPTION:

This course broadens students' understanding of mathematics as it relates to managing information. Students will apply methods for organizing large amounts of information; apply counting techniques, probability, and statistics in modeling and solving problems; and carry out a culminating project that integrates the expectations of the course and encourages perseverance and independence. Students planning to pursue university programs in business, the social sciences, or the humanities will find this course of particular interest.

Prerequisite: Functions and Relations, Grade 11, University Preparation, or Functions, Grade 11, University/College Preparation

CLASS REQUIREMENTS:

1. Textbook -Mathematics of Data Management McGraw –Hill Ryerson (**replacement cost is \$ 80**)
2. Calculators - a SCIENTIFIC calculator or TI 83plus or TI 83 plus silver edition
3. Access to a computer with Microsoft Excel
4. Materials

1 1/2" or 2" binder	lined paper	graph paper	dividers	pencil(s)
blue/black pen	red pen	ruler	highlighter	eraser

Please ensure that you have your textbook, notebook and other materials for EVERY class. Notes should be kept in a 3-ring binder so that handouts can be inserted and assignments removed for marking.

CURRICULUM STRANDS:

Organization of Data for Analysis, Counting and Probability, Statistics, Integration of the Techniques of Data Management

LEARNING SKILLS:

Works Independently, Teamwork, Organization, Work habits, Initiative

ASSESSMENT AND EVALUATION:

Achievement Chart Category		Weighting	Assessment Strategies
K/U	Knowledge & Understanding	30%	Assignments, Quizzes, Tests
T/I	Thinking & Inquiry	20%	
COMM	Communication	20%	
APP	Application	30%	

FINAL GRADE:

The final grade will be determined through the following calculation:

- 70% of the grade will be based upon evaluations conducted throughout the course; evaluations/assessment tools used will include tests, quizzes, homework, experiments, research papers, assignments etc.
- 30% of the grade will be based upon final evaluations in the form of an examination (worth 20%), and two culminating assessment tasks, each worth 5%.

TEST POLICY:

Students who are absent for purposes other than school related **must provide a medical note** stating the reason for missing school. Students in both situations will be expected to write the test upon return to school unless other arrangements are made prior to the missed test.