

MDM4U Course Outline

Apr – June 2022

Teacher: Ella & Claire

EVALUATION

Term Work (See Below)	70%
Final Exam	15%
Summative Assessment (Final Report and Presentation)	15%

COVERED UNITS

Unit 1	Chapter 4	Permutation: ${}_nP_r$
Unit 2	Chapter 5	Combination: ${}_nC_r$
Unit 3	Chapter 6	Probability: simple, independent/dependent, and mutually/non-mutually exclusive & Odds.
Unit 4	Chapter 7	Probability Distribution: Uniform, Binomial, Geometric, and Hypergeometric distribution
	Chapter 8 (Optional)	Normal distribution, and confidence level
Unit 5	Chapter 2	Statistics of one variables: Sampling techniques, sampling bias, measure of central tendency, and measure of spread.
	Chapter 3	Statistics of two variables: Scatter plot, linear correlation, and linear regression. - How to use Excel to generate data analysis.

- You will have 5 tests designed for each unit and a summative final project which is based on Unit 5. By doing this, you will be choosing your own topic and working individually on statistics analysis of two variables.

TEST POLICY

- If you are aware that you will miss a test due to an appointment or sports event, etc., it is your responsibility to let the teacher know **AHEAD** of time. The student will then make arrangements with the teacher to write the test **AHEAD** of time. School policy required that students verify any absences from tests with a note from a parent, guardian or a doctor. **The student will be expected to write a compensation test for the missed test after school.** Fail to do so, should accept any consequences.
- Students may be given a one-time opportunity to replace **ONE** unit test with a make-up test near the end of the semester. In order to qualify for this opportunity, the student will be asked to do extra review for the unit. If a student has already written a compensation test for a particular unit, that unit will **NOT** qualify for the make-up test at the end of the semester.
- Students cannot miss the date of final exam and the date to do final project presentation, unless they have a **medical certificate**.