Math 20-2 Course Outline Instructor: K. Harvey

Redwater School Email: [kyle.harvey@sturgeon.ab.ca](mailto:kyle.harvey@sturgeon.ab.ca)

Principles of Mathematics 11 Website: [www.harveyredwater.weebly.com](http://www.harveyredwater.weebly.com)

**Learning Plan**

Unit Textbook Sections Days

*Radicals*

* Radicals 4.1 - 4.6 7

**Unit I Exam 1**

*Quadratics*

* Quadratic Functions 6.1 - 6.5 7
* Quadratic Equations 7.1 - 7.4 7

**Unit II Exam 1**

**Midterm Exam 1**

*Angles and Triangles*

* Properties of Angles and Triangles 2.1 - 2.6 8
* Acute Angle Trigonometry 3.1 - 3.4 8

**Unit III Exam 1**

*Reasoning*

* Inductive and Deductive 1.1 - 1.7 8
* Statistical Reasoning 5.1 - 5.6 8
* Proportional Reasoning 8.1 - 8.6 9

**Unit IV Exam 1**

*Math 20-2 Research Project* 4

*Review*4

**Cumulative Exam 1**

**Final Exam Exam Week**

**Course Description**

This course continues building mathematical skills from Math 10 Common. Math 20-2 is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that *do not require the study of calculus.* Topics include geometry, measurement, number and logic, relations and functions and statistics.

Students must have finished Math 10 Common with a 50% average or better to register in Math 20-2.

**Supplies**

Principles of Mathematics 11is the mandatory textbook for the class.

A graphing calculator is required for this class. The TI 83, TI 83 Plus, TI 84 and TI 84 plus will be the calculators used for instruction. It is expected that students have a graphing calculator every class.

Please ensure that you have a ruler, lined paper and a writing utensil in class every day.

**Evaluation**

There will be four unit exams as indicated above. These exams may encompass two or three chapters dependent upon the unit. There will be eight quizzes corresponding to the eight chapters.

A portion of the requirements for completing Math 20-2 is the completion of a Mathematics Research project. This project will take place at the end of the semester and will be worth 10% of the final grade in the course.

The final exam in this course will be comprehensive. It will be worth 30% of your final grade in the course.

Project 10%

Formative Assessment 0%

Chapter Exams 20%

Unit Exams 40%

Final Exam 30%

**Attendance:**

* Upon return from being absent it is the **responsibility** of the student to complete and hand in all work that was missed.
* If you miss an exam or assignment and your absence is not excusable then you may receive a mark of zero for the exam. An absence is deemed excusable if it is for medical reasons, religious observance, prearranged absence, school sponsored trip or other **unavoidable** cause.
* If you know in advance that you will be missing an exam, it is **your responsibility** to arrange to write the exam **before** the scheduled time provided you have given the teacher adequate notice.