**MATH 20-3**  Mr. J. Schellenberg

403-654-2900 (home)

Credits: 5 [jason.schellenberg@horizon.ab.ca](mailto:jason.schellenberg@horizon.ab.ca)

Prerequisite: 55% in Math 10-3

**COURSE OUTLINE AND TIMELINE:**

The number of days to complete each topic is an approximation and may be changed at the discretion of the teacher.

# of days

Chapter 1 – Slope & Rate of Change ………………………………………….. 10

Chapter 2 – Graphical Representations …………………………………….…... 13

Chapter 3 – Surface Area, Volume & Capacity …………………………………..... 13

Chapter 4 – Trigonometry of Right Triangles …………………………………... 7 Chapter 5 – Scale Representations ………………...………………...…….... 10

Chapter 6 – Financial Services …....…………….………………………....……... 13

Chapter 7 – Personal Budgets .………………………….…………..… 10

Total…………………………………………………………...…... 76

**TEXT:** *Nelson Mathematics for Apprenticeship and Workplace 11*

You are responsible for your text and should bring it to class every day (along with the other necessary supplies listed below).

**REQUIRED MATERIALS:**

* binder with loose-leaf paper
* **pencil**, eraser, red pen, blue pen
* ruler
* protractor
* package of graph paper (1/4 inch squares or .5 cm squares) or sticky note graph paper

**HOMEWORK AND ASSIGNMENTS:**

**Daily assignments and exercises are an integral part of this course.** Doing the assignments gives you a chance to make sure you understand the concepts presented in class. Math is cumulative so you must understand today’s work in order to do tomorrow’s. In general, the responsibility for learning and completing assignments is on you, the student. Time will be provided in class to work on assignments but **work not done in class must be completed at home**.

You are responsible for using the textbook as a resource to check your work. **All textbook assignments should be completed, checked and mistakes should be corrected.**

**MISSED CLASSES OR TESTS:**

If you miss a class, you are responsible for finding out what work you missed and completing all assignments. If you miss a test or exam, you are responsible for arranging a time to write the exam. Missed tests/exams are written during the students own time (not during class as too much new material is missed). Please approach me in advance if you know of specific times when you will be away.

**EXTA HELP:**

I will **post** regular after school math help sessions throughout the semester. If you are having difficulty with material, please arrange a time (ahead of time) for extra help outside of class.

**EVALUATION:**

1. Course Work Marks
   1. Unit Tests 50%
   2. Quizzes and Assignments 50%
2. Final Mark
   1. Course Work 70%
   2. Final Exam 30%