

MATH 20-1

COURSE OUTLINE

Instructor: Mr. T. Bailey

School Phone: 403-246-4771 ext. 4672

Text: Pre-Calculus 11, McGraw-Hill Ryerson

Objectives of the Course:

“-1” Course Sequence

This course sequence is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into postsecondary programs that require the study of calculus.

Topics of Study:

Topics of study include Sequences and Series, Trigonometry, Quadratic Functions, Quadratic Equations, Systems of Equations, Linear and Quadratic Inequalities, Radical Expressions and Equations, Rational Expressions and Equations, Absolute Value and Reciprocal Functions.

Evaluation:

A) Formative Assessment (not weighted for marks) may include:

- Quizzes
- Assignments
- Reviews/homework

B) Summative Assessment:

- Chapter Tests (8 total tests) 80%
- Portfolio* 20%

Total = -----
100%

*The portfolio is a collection of some formative assessments that have been student corrected for errors as assessment for learning.

Supplies Needed:

- Notebook/binder, loose leaf paper, textbook, pencil (recommended), eraser, graphing calculator (TI-83+/TI-84), graph paper, laptop (for access to Moodle)

Class Expectations:

How Will You **RISE** in Math 20-1?

R – Responsibility - At all times, you are responsible for your own effort and attitude and how you interact with others. Always treat classmates, staff, and our learning space with respect.

I – Integrity - Be someone who is worthy of trust and admiration.

Work submitted as your own must be created entirely by you.

Credit others where credit is due: this includes citing information used in your work and also crediting and thanking those who help you on your way.

S – Strength - One of the best ways to learn is to fail. Embrace this, learn, and try again. This building is full of caring people. Seek help and support when you need it – from friends, teachers, and counsellors.

Understand that we all experience stress and problems. How we deal with them and overcome them demonstrates strength in our character.

E – Excellence - Excellence can never be achieved without a foundation of responsibility, integrity, and strength.

Excellence is PERSONAL excellence. Your personal excellence may look very different than another person. Set realistic goals and strive to meet them.

Acceptable Standard (50-79%)

Typically, these students have gained new skills and a basic knowledge of the concepts and procedures relative to the general and specific outcomes defined for Mathematics 20-1 in the program of studies. These students can apply this knowledge to a limited range of familiar problem contexts.

Standard of Excellence (80-100%)

Typically, these students have gained a breadth and depth of understanding regarding the concepts and procedures, as well as the ability to apply this knowledge to a broad range of familiar and unfamiliar problem contexts.

Procedures when Absent:

- from a regular class: You are responsible to obtain missed notes from another student or check the Moodle page and catch up on the assignment listed on the assignment sheet.
- from a quiz/assignment: You will receive a blank copy of the quiz/assignment missed for you to complete as part of your formative assessment. This may also be included as a part of your portfolio.
- from a chapter test: if the absence is excused, you will be required to write the exam at the earliest possible date.