

**Math 30-1 – Fall 2019**  
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Resources:

- Custom Course Notes
- Pearson PreCalculus 12

Required Student Materials:

- Ti-Nspire Graphing Calculator

Course Overview and Timeline:

Math 30-1 Deals with 3 major areas of study

**Unit 1 – Relations and Functions (55%)**

Chapter 1 – Function Operations & Transformations of Functions

Chapter 2 – Polynomial, Radical and Rational Functions

Chapter 3 – Exponents and Logarithms

**Unit 2 – Trigonometry (30%)**

Chapter 4 – Trigonometric Functions

Chapter 5 – Trigonometric Equations and Identities

**Unit 3 – Permutations and Combinations (15%)**

Chapter 6 – Permutations, Combinations and the Binomial Theorem

Student Expectations:

Math 30-1 is an academic course intended for students entering post-secondary programs that require the study of calculus (Engineering, Pure Mathematics, Physical Sciences, ect.). As such, the expectations for behavior, and work ethic are extremely high.

Disruptions of any kind will not be tolerated in class. Students should expect to dedicate 1 hour outside of class each day for completing practice questions, revision/studying, ect. Students who are not prepared to meet the above expectations will likely not be successful in the course.

As your instructor, it is my goal to help you achieve success, but you must be willing to put in the amount of work required to reach the standards set out by the province, and treat the course with immense seriousness.

I am always willing to provide extra help, but it is unrealistic to expect me to put more work into the course than you do.

Education in Alberta aims to honour cultural diversity and promote intercultural understanding. Students are able to build on foundational knowledge about First Nations, Metis and Inuit peoples. The program of studies provides opportunities for students to develop a knowledge and understanding of, and respect for, the histories, cultures, languages, contributions, perspectives, experiences and contemporary contexts of First Nations, Metis and Inuit.

### Grading Procedures:

#### ***Assessment for Learning Policy:***

Formative assessments may be marked in class, and some may receive written constructive comments for improvement from the teacher. These will not count towards the course grade. It is expected that students complete all of these assignments.

#### ***Assessment of Learning Policy:***

Major assignments, quizzes, and exams are all types of assessments that will be used in calculating a final grade for each student. All grades in the course are cumulative.

#### ***Grade Determination:***

Term grade determination: Grade will be based upon evaluations conducted throughout the course. This portion of the grade will reflect the student's most consistent level of achievement throughout the course.

#### ***Final grade determination:***

Grade will be based on the accumulation of term grade evidence and a diploma examination written at the end of the course.

#### ***Grade Breakdown:***

#### Course Work (70% of Final Grade)

Online Assignments	15%
Quizzes	15%
Chapter Tests	35%
Unit Exams	35%

#### Diploma Exam (30% of Final Grade)

#### *Grading Policies:*

- a) **Reassessment:** Reassessments will happen only in extenuating circumstances, at the sole discretion of the teacher.
- b) **Grade Challenges:** If there are mistakes with marking or totals on an exam, students are encouraged to bring these mistakes to the teacher's attention, but changes will only be made on the day the assessment is returned to a student.
- c) **Secured Exams:** You are welcome to look at your old tests at any time within the classroom, but you are not permitted to take them out of the classroom or reproduce them in any way.

### Cheating and Plagiarism:

Instances of academic dishonesty will result in a grade of zero being awarded for an assessment. In these cases, there will be no opportunities to redo the assessment.