

Math 31 Course Outline

Instructor: Mr. Carder (scarder@rockyview.ab.ca)
Textbook: Calculus, A First Course (McGraw Hill Ryerson, 1989)
Calculator: TI-84+ is recommended

Units of Study

Chapter 1 – Limits and Rates of Change	(2 weeks)
Chapter 2 – Derivatives	(2 weeks)
Chapter 3 – Applications of Derivatives	(1.5 weeks)
Chapter 4 – Extreme Values	(1.5 weeks)
Chapter 5 – Curve Sketching	(1 week)
Chapter 6 & 7 – Derivatives of Trig Functions	(2 weeks)
Chapter 8 – Exponential and Logarithmic Functions	(2 weeks)
Chapter 9 & 10 – DE's and Area	(1.5 weeks)
Chapter 11 – Integrals	(1.5 weeks)

Evaluation:

Chapter Tests – 90%
Portfolio – 10%

This mark will constitute 75% of your overall grade. The Final Exam will make up the remaining 25%.

Class Expectations:

How Will You **RISE** in Math 31?

- 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.

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 unit exam: if the absence is excusable, you will be required to write the exam at the earliest possible date.