CALCULUS 12
COURSE OUTLINE (Revised Jan 2018**)**

Text Books - Calculus, Howard Anton 5th Edition **Instructor: Ms. Pahlevanlu**
- Calculus: Graphical, Numerical, Algebraic

General Description:
Calculus 12 is designed for those students who plan to take Calculus at university or college. This is an advanced course which will require each student to make a consistently good effort and to complete a substantial amount of practice outside of class time. Experience has shown that successful completion of Calculus 12 greatly helps the process of adjusting to the demanding pace and style of university mathematics and science courses.

The content and difficulty of Calculus 12 are similar to that found at university but an attempt will be made to avoid the overuse of abstract theory and symbols. As much as possible, new concepts will be related to those which have been learned in Math 11and 12.
Goals:
Each student should:
• master many concepts learned in Math 11 and 12, particularly those which deal with functions and graphing.
• learn the basics of differential calculus
• learn to use more sophisticated types of mathematical symbols and terminology
• learn the basic concept of proof
• learn to become more of an independent learner in the areas of reading and writing mathematical arguments, studying and problem solving.

Course Content:
- Functions and their Graphs
- Limits and Continuity
- Derivatives and their Application
- Introduction to Integrations

Testing and Grading:
Regular tests will be given for each unit of study. The test questions will be based on the assignments given and the problems discussed in class. **If students miss a unit test without letting the teacher know ahead of time, they will be required to write a more challenging test that reflects the extra time they had to prepare for the test.**
From time to time, students may be asked to present solutions to problems in oral or written form.

Evaluation:	Tests, Quizzes & Assignments	80%,
	¾ term exam	20%

- Optional Final Exam to replace your worst test mark (cannot replace term exam) This opportunity will only be given to students who have worked hard all year and have beaten their class average on the term exam. Also in order for the final exam to replace the worst test mark, the final exam score must be equal or higher than the students current mark.
- Optional Final Project…more details to come.

Academic Honesty

Basic Principle of Academic Honesty: BE HONEST!

* A good rule of thumb is that if it doesn't *"feel"* honest, it probably isn't. If in doubt, ask your teacher about what is and isn't allowed.

Examples of Academic "Dishonesty":
- Misrepresenting others' work as your own.
- Using assignments bought or borrowed from others (including online sources, tutors, friends, past assignments, etc.)
- Thinking that copying something and changing random words is the same as "putting it into your own words".
- Sharing information about exam questions (verbally or electronically).
- Using unauthorized materials or devices during exams.
- Asking other student's what is on the test/ Sharing what is on the test with students who have not written it.
- Sharing answers during or after the test/Receiving answers during or before the test.

Riverside's administration treats academic dishonesty as a serious disciplinary issue; it can lead to serious consequences, including but not limited to suspension, loss of reference letters, loss of honour roll status and gold cord eligibility.
Attendance: Missing a calculus class will require a lot of extra time and effort on your part. Avoid being late and avoid missing classes.
Studying: I suggest forming a study group as soon as possible with whom to meet regularly and do homework with. This is an excellent skill for university.

Textbooks: Digital copies of the textbook can be found on my site www.myriverside.bc.ca/rpahlevanlu.

Tutorial: Thursdays after school in room 216