



## Royal West Academy

### Course Outline

Course:	Precalculus/AP Calculus
Teachers:	Maximilien Ohayon; mohayon@emsb.qc.ca
	Room(s): 204
	Course notes provided by the teacher throughout the year
Texts/workbooks:	Calculus: Single Variable Essential Calculus by James Stewart 2 <sup>nd</sup> edition
	This course is offered to grade 11 students who have successfully completed Math 506. This course provides students with mathematical knowledge preparing them for mathematics courses offered in college.
Course description:	<u>Introduction to calculus: September-November</u> <u>Differential Calculus: November-June</u> Topics include: Limits, Differentiation, Applications of Differentiation, Integration, Application of Integration...
Remediation:	Day 1: Lunch; Day 3: Lunch

Material Required: 1.5-inch binder or notebooks, dividers (4 to 5), scientific calculator, ruler, pencils, erasers, red or green pen, **Graphic Calculator**

**Note regarding the graphic calculator:** Graphic calculators will be supplied by the school to the student upon request. Students will **give a deposit** to the school for the graphic calculator. The deposit will be **returned at the end of the year given that the students return the graphic calculator in the same condition that it was given to them.**

Communication with Students/Parents: E-mail, Mozaik

## Evaluation

Term 1 (50%) - September 2 <sup>nd</sup> to November 4 <sup>th</sup>		
Competencies Targeted	Evaluation Methods	Timeline
Competency 2: Uses mathematical reasoning	Class Tests Quizzes Assignments	Mid and/or end of topic If applicable, 1 or 2 per topic
Term 2 (50%) - November 5 <sup>th</sup> to January 26 <sup>th</sup>		
Competencies Targeted	Evaluation Methods	Timeline
Competency 2: Uses mathematical reasoning	Class Tests Quizzes Assignments	Mid and/or end of topic If applicable, 1 or 2 per topic
Competency 1: Solves a situational problem	Situational Problems	2 evenly distributed
Term 3 (100%) - January 27 <sup>th</sup> to June 5 <sup>th</sup>		
Competencies Targeted	Evaluation Methods	Timeline
Competency 2: Uses mathematical reasoning	Class Tests Quizzes Assignments	Mid and/or end of topic If applicable, 1 or 2 per topic
Competency 1: Solves a situational problem	Situational Problems	2 evenly distributed

### End of the Year Results

Students will have 2 math marks!

Precalculus	
Term 1	100% of final mark
Differential Calculus	
Term 2/3	100% of final mark

### **AP CALCULUS EXAMINATION:**

For the first time, Royal West Academy is taking part in the **AP CALCULUS -AB COURSE**. This is a globally standardized course with implications for future schooling. It is a heavy and fast-paced course that covers the majority of material students will see in calculus courses throughout CEGEP.

Students will be writing the **AP CALCULUS -AB EXAMINATION** on **MONDAY MAY 11<sup>th</sup>, 2025**. It is important to note that this exam **DOES NOT COUNT** for school grades. If students pass the examination, they will receive a certificate of completion for the course from the AP College Board.

Students report grade grades will depend entirely on **in-class assessments, not on the AP Exam**.

Absences on the day of this examination must be excused. Absences on the day of examination may result in automatic failure of **AP COURSE – but not on the report card**.

## Additional Information / Specifications

**Absent from class:** Students will be given notes and examples covered in class therefore they are responsible for all material covered when absent from class.

**Absent for a test:** If a student is absent for a test, the parent must communicate with the teacher by email the morning of the test or provide a medical note as soon as the student returns to school. A student who is absent because of an ECA activity must give a written notice or an email to the teacher ahead of time. Repeated absences will be reported to the administration. **\*\*All missed tests will be written the next day or upon student return \*\*** If the following procedures are not followed a mark of 0 will be given for the test or evaluation.

**Absent on a day an assignment is due:**

- Absent on the day of: A scanned copy must be sent to the teacher before 12:30 on the day of absence.
- Absent for a longer period: If illness restricts working time, parents should email teacher advising them and a new due date will be discussed on a case-by-case basis.
- **Late submissions of take home assignments will result in a 0 grade unless prior arrangements are made.**

**Calculators:** Graphic calculators are **NOT ALLOWED** during evaluations. A regular scientific calculator should be used in class and during some evaluations. **Some evaluations will be done without calculators**

**Homework:** Students MUST do their homework. Even if homework is not checked regularly, it will help them complete assignments and tests. Given the fast-paced nature of this course, there **will be work assigned to do at home**. Students will need to ensure that they remain up to date. It is students' responsibility to ensure that they catch up on material missed.