Enriched Pre-Calculus 20 Course Outline
Campbell Collegiate September 2019

Instructor’s Contact Information:
Mrs. Joni Sundeen Email: joni.sundeen@rbe.sk.ca Rm 217

Website: https://sundeenmath.weebly.com (Your resource for notes, calendar, assignments and videos)

Materials Needed:

- □ 3 hole punch graph paper coil notebook
- □ 3 Ring Binder
- □ Colored Pens, Pencils and erasers

Note: Cell phones, iPods and other electronic devices may NOT be used as calculators.

- You need to have a Texas Instrument Graphing Calculator in order to complete various Pre-AP portions of this course (and for each subsequent Pre-AP and AP Math course). Below are photos of some of the types and varieties that will meet the needs of the students.

- You will also need a scientific calculator. You will NOT be allowed to use any calculators that say WriteView, Multi-View, Textbook Display or Natural Display/Expression.

Approved Scientific Calculator List:

- Sharp – EL-510, 520 or 531
- Texas Instrument – TI 30X
- Casio – fx300 or 260
**Evaluation:**
- 40% Quizzes, Assignments and Projects (2 Projects)
- 45% Comprehensive Tests (Three tests at 15% each)
- 0% Homework Checks
- 15% Final Exam

**Course Content Order and Outcomes:**

Outcome for Ch. 3 and 4.2
- P20.7 Demonstrate understanding of quadratic functions of the form \( y=ax^2+bx+c \) and of their graphs.
- P20.6 Expand and demonstrate understanding of factoring polynomial expressions.

Outcomes for Ch. 4.1,3,4 and Ch. 8
- P20.8 Demonstrate understanding systems of quadratic equations including the solution of: single variable equations, systems of linear-quadratic and quadratic-quadratic equations in two variables.

Outcome for Ch. 9
- P20.9 Expand and demonstrate understanding of inequalities including: one-variable quadratic inequalities and two-variable linear and quadratic inequalities.

Outcome for Ch. 5
- P20.2 Expand and demonstrate understanding of radicals with numerical and variable radicands including: computations and solving equations (limited to square roots and one or two radicals).

Outcome for Ch. 6
- P20.3 Expand and demonstrate understanding of rational expressions and equations (up to and including degree 2 numerators and denominators) including: equivalent forms of expressions, operations on expressions and solving equations that can be simplified to linear or quadratic equations.

Outcome for Ch. 7.4
- P20.11 Demonstrate understanding of reciprocal functions of: linear functions and quadratic functions.

Outcome for Ch. 7
- P20.1 Demonstrate understanding of the absolute value of real numbers and equations and functions involving the absolute value of linear and quadratic functions.

Outcome for Ch. 1
- P20.10 Demonstrate understanding of arithmetic and geometric (finite and infinite) sequences and series.

Outcome for Ch. 2
- P20.4 Expand and demonstrate understanding of the primary trigonometric ratios including the use of reference angles \( 0^\circ \leq \theta \leq 360^\circ \) and the determination of exact values for trigonometric ratios.
- P20.5 Demonstrate understanding of the cosine law and sine law, including the ambiguous case.

**Expectations:**

- Be on time. Be prepared. Do your work. Respect yourself and others.
- Mrs. Sundeen will give permission when devices are needed for educational purposes. There is a cell phone hotel to store phones during the inappropriate times.
- If a student is absent from class, he/she is expected to check with a classmate, check the website or email Mrs. Sundeen and complete the work assigned that day.
- If a student is absent on the day of an assessment and prior arrangements are not made with me, then the assessment will be written **in class on the day of return**.
**Student/Parent Communication:**

You, as a Regina Public Schools student, have access to your grades online, through a link on the Campbell Collegiate website. Your login information is the same as the login information you use to log onto the school computers. This access is to help you monitor your attendance as well as assignments that may be outstanding. Parent Portal is a tool that helps parents achieve the same goal. The parent login information is available in the main office. Parents can sign up for REMIND as well, to be informed of HW, quizzes and exams. Please see below for instructions on how to sign up for REMIND. If you have questions or concerns please e-mail Mrs. Sundeen.

**How to sign up for Remind:**

**NOTE:** Parents/Guardians may also choose to sign up with Remind. If you choose to sign up as a parent, please include both your name and the name of the students’ in your personal details. It helps me keep track of my communications!
Math Help:

If you are having difficulty, please ask for help. In addition to asking me for help, Campbell’s Math teachers offer Math Help every day. Remember teachers are volunteering their time during math help come prepared with all your materials.

Homework/Practice Assignments:

Students will be assigned daily homework assignments (at the bottom of their notes) from the textbook or handouts. These will be assignments to practice the skills and concepts learned that day. It is imperative to complete these assignments in a timely manner to be successful. I will complete homework (HW) checks to formatively assess how the student is doing and if they are completing the assignments. This will be recorded into POWERSCHOOL. The due date of the assignments will depend on how much class time is given.

Enriched Pre-Calculus 20 Class:

To help students prepare for Advanced Placement Calculus this course will have assignments that practice graphing calculator skills and AP style questions will be given to practice reading and answering these types of questions. All content will still meet the Pre-Calculus 20 curriculum but are planned to challenge the students to think deeper in a concept and be able to explain their reasoning.
PARENTS/GUARDIANS: Please read over the previous pages and fill in the following page. Only the following page is to be returned to me, the previous pages should be kept by the student and put in their binder.

**Enriched Pre-Calc 20 Parent/Guardian Form 2019/2020**

I, __________________________________________ (please print) (parent/guardian), have read Mrs. Sundeen’s **Enriched Pre-Calc 20** syllabus and I understand that __________________________ (student’s name) is responsible for adhering to the expectations and policies outlined in the course syllabus.

If I have any questions regarding the syllabus or the class, I understand that contact information has been provided above and is also available on the Campbell Collegiate website.

I understand that all attendance information, assignment information, and grades are available through the Parent and Student Portals.

If Mrs. Sundeen has questions or concerns about your son/daughters grades/behavior or just wants to brag about their excellent work, she should contact (Please PRINT):

My contact information is:

_Name(s):_ ____________________________

_Phone Number(s):_ ____________________________

_Email Address(es):_ ____________________________

I prefer:

(daytime or evening)

(email or phone)

Thank you very much for your understanding and participation in your child’s Pre-Calculus 20 class!

This will be a successful year with your support!

Mrs. J Sundeen