

Pre-Calculus 120 A/B

COURSE SYLLABUS 2017-18

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**COURSE INFORMATION:** Pre-Calculus 120 A/B will be taught in semester 1, two periods per day. In the first half of semester 1, the double period will be used to cover the Pre-Calculus 120 A course material. The Pre-Calculus 120 B material will be covered in the second half of the semester. These blocked courses are designed for students who are scheduled to take Calculus 120 in semester 2. It is highly recommended that students enrolled in these courses have a mark of at *least* 75% from the Pre-Calculus 110 course.

**COURSE CONTENT:**

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| **Pre-Calculus 120 A:** | **Pre-Calculus 120 B:** |
| Function Transformations (Chapter 1) | Permutations, Combinations, and the Binomial Theorem (Chapter 11) |
| Radical Functions (Chapter 2) | Polynomial Functions (Chapter 3) |
| Exponential Functions (Chapter 7) | Limits |
| Logarithmic Functions (Chapter 8) | Rational Functions (Chapter 9) |
| Trigonometry and the Unit Circle (Chapter 4) | Function Operations (Chapter 10) |
| Trigonometric Functions and Graphs (Chapter 5) | Sequences and Series (Chapter 1, Pre-Calculus 11) |
| Trigonometric Identities (Chapter 6) | Function Toolkit |

**EVALUATION FOR EACH COURSE:** 40% Tests

30% Other Assessments

30% Exam

If a student is unsuccessful under the above distribution, then they will be re-evaluated by the following, with a maximum overall grade of 60%.

20% Tests

20% Other Assessments

60% Exam

**EXAMS:** The final exam for Pre-Calculus 120 A is scheduled for **Tuesday, November 7 (all classes)**

The final exam for Pre-Calculus 120 B is scheduled for **Thursday, January 25 (Scholten)**

**WIKISPACE & REMINDERS:** Course notes will be posted to my Wikispace <http://tarascholten.wikispaces.com>.

If you would like to sign up to receive text reminders for this course, please text the message @precal12ab

to the number 506-802-8605.

**RESOURCES:** McGraw-Hill Ryerson Pre-Calculus 11 & 12 text books and other supplemental resources

**REQUIRED MATERIALS:** Scientific calculator ***(note: the calculator app on your cell phone and calculators with graphing capabilities are NOT permitted)***, binder with loose leaf, graph paper, pencils, ruler, eraser.

**HOMEWORK:** Homework will be assigned to reinforce the concepts covered in class and is a critical part of gaining understanding and mastery of the topics taught in this course. You will be expected to complete all homework, including homework assigned on days when you are absent from class.

**ATTENDANCE:** Regular attendance is necessary to be successful in this course.Remember that if you miss a day of

school, then you will be missing *two* periods of math – a significant amount of material is covered during this time.

If you are absent on any given day then it is **your** responsibility to catch up on the notes and work that you miss.

**EXTRA HELP:** Extra help will be offered in my classroom at lunchtime, except on Mondays. Please seek assistance on the *first* day that you discover that you are experiencing difficulty, otherwise the work can become overwhelming.

**MATH DEPARTMENT POLICY FOR MISSED EVALUATIONS:** Students should be prepared to write any missed evaluation upon their return to class. Unexcused absences will result in the student receiving 60% of the grade obtained.

I hope that you will have a happy and successful year at FHS!