



Ms. Monica Chen  
monica.chen@lubbockisd.org  
Room 268  
Tutorial Times: Tu/W/Th 7:45 – 8:00 a.m., M/Tu/Th/F 3:55-4:30 p.m.

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## Pre-Calculus Pre-AP & Dual Credit Course Syllabus 2019-2020

### Introduction

Calculus is the mathematics of change - a subject that originated in the study of motion. Calculus deals with ideas that people have pondered for centuries: areas and volumes, rates of change, the orbits of planets, and infinite sequences.

Precalculus consists of those subjects, skills, and insights needed to understand calculus. It includes arithmetic, algebra, coordinate geometry, trigonometry, and, most of all, functions---the general concept as well as specific functions. Students come to this course familiar with basic arithmetic, algebra and geometry. A precalculus course builds on all of your previous mathematical knowledge and experience.

### Grades

- a. Assignments and Quizzes count once
- b. Exams and Projects count twice

### Assignment Requirements

- Unless otherwise stated, all non-exact answers should be accurate to 3 decimal places. (AP policy)
- Solutions should ALWAYS be accompanied by a description of how you got that answer. No Work = No Credit (NWNC)
- You should be able to explain all of your work. Grades are earned based on content mastery. If you do not understand what you wrote down then the work will not be awarded credit. See Academic Dishonesty section below for more information.

### Make-Up Work

If you must miss class, please be aware of the following procedures:

- Check with your group members and Google Classroom for any missed notes and assignments. Please come by before or after school to pick up missing assignments and/or make arrangements to complete quizzes and tests. During class is not the best time to try to make-up missed exams since we will be busy learning new material each day.
- When you know about a planned absence, arrange a time with me to make up any missed assignments. Major assignments can almost always be taken care of ahead of time. Otherwise they will need to be taken care of immediately following the absence.
- Plan on making up any missed quizzes or exams before or after school on the day that you return from an absence.

You'll have **one extra class day** for each day of absence to turn in the missed work and make up any missed quizzes or tests. Please have a parent or guardian contact me (monica.chen@lubbockisd.org) should a situation beyond your control arise which prevents you from attending tutorials or turning in work on time.

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**Redos and Corrections**

a) **Late work will not be accepted.** Please have a parent or guardian contact Ms. Chen by email or phone within two days of the missed assignment to discuss any reasons which prevented the student from turning in work on time, and to arrange an alternative method for the student to learn the material and demonstrate content mastery. This course moves at a fast pace, and staying current with the course topics is crucial to student success.

To **bring up an assignment grade** to a maximum of 80 points, given the original assignment was completed with adequate effort as determined by the teacher and turned in on time, students may redo and correct any missed problems. To correct the missed problem, first rework the problem correctly showing all steps and explanations, then write two sentences answering the questions why did I missed the problem? And what did I do to relearn the problem? Writings should be academic and mathematical. If an assignment was never turned in, students should realize a valuable learning opportunity was missed.

b) To **bring up a quiz or test grade** to a maximum of 80 points, students will need to attend tutorials to relearn and redo/correct the missed problems, then demonstrate their knowledge of the missed problems. To correct the missed problem, first rework the problem correctly showing all steps and explanations, then write two sentences answering the questions why did I missed the problem? And What did I do to relearn the problem? Writings should be academic and mathematical. Corrections will allow the student to earn back ½ of the lost points. To earn the full maximum of 80 redo points, after correcting the problems, students will then successfully present/explain the problems to demonstrate mastery of the knowledge on the missed problems.

**Time Frame and Deadlines**

All learning modules, corrections, and extra points are due the following **Thursday** from the original due date (ex: everything we did in week 1, you will have until Wednesday of week 2 to bring up). A copy of the weekly tutorial schedule is provided below.

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>Before School</b>		Tutorials	Tutorials	Tutorials	
<b>After School</b>	Tutorials	Tutorials		Tutorials (Due date for all corrections from the previous week)	Tutorials

**Academic Dishonesty**

Academic dishonesty will not be tolerated. Listed below are definitions of different types of academic dishonesty.

**Cheating** includes, but is not limited to:

- copying from another student’s test paper, project, or other assignment;

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- use or possession of materials that are not authorized by the person giving the test, project, or other assignment, including but not limited to class notes, electronic devices, and specifically designed cheat sheets, textbooks, cell phones or other electronic devices, etc.;
- providing aid or assistance to or receiving aid or assistance from another student or individual, without authority, in conjunction with a test, project, or other assignment;
- discussing the contents of a test with another student who will take the test;
- using, buying, stealing, transporting, soliciting, or coercing another person to obtain answers to or information about an unadministered test, project, or other assignment.

**Plagiarism:** representing as your own work any material that was obtained from another source, regardless how or where you acquired it.

- Borrowed material from written works can include entire papers, one or more paragraphs, single phrases, or any other excerpts from a variety of sources such as books, journal articles, magazines, downloaded Internet documents, purchased papers from commercial writing services, papers obtained from other students (including homework assignments), etc.
- By merely changing a few words or rearranging several words or sentences, you are not paraphrasing. Making minor revisions to borrowed text amounts to plagiarism. Even if properly cited, a "paraphrase" that is too similar to the original source wording and/or structure is, in fact, plagiarized.

**Collusion:** working with another person on an assignment for credit without the instructor's explicit permission to do so.

**Misrepresenting Facts:** providing false information to postpone an exam or obtain an extended deadline for an assignment.

**Consequences:** The student will receive a zero on the assignment, and their parents will be notified. If academic dishonesty continues, the student's principal will be notified, and I will recommend that the student be removed from class.

### **Textbook and Lesson Materials**

Texas PreCalculus, (2016). McGraw Hill Education. ISBN 978-0-02-140250-2.

Books in print are provided by the district as a classroom set. Students will have access to the online version of the textbook and supplemental course materials through [connected.mcgraw-hill.com](http://connected.mcgraw-hill.com) or as an app on personal electronic devices.

Lesson Materials that are teacher-made as well as from other district-approved sources will be provided to students either in print or online in google classroom.

### **Dual Credit**

This course will be offered as a dual credit course through South Plains College during the spring semester. Please be on the lookout for registration information in November. You can visit with me or your counselor for more information.

### ***SPC Equal Opportunity and Disability Statement***

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*South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability, or age.*

*Students with Disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Special Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Special Services Coordinator. For more information, call or visit the Special Services Office in the Student Services Building, 894-9611 ext. 2529, 2530.*

### **Curricular Requirements**

First Semester		Second Semester	
The following process standards will be embedded in every unit <b>P.1A, P.1B, P.1C, P.1D, P.1E, P.1F, P.1G</b>			
<b>1<sup>st</sup> Six Weeks</b>	<b>August 14– September 27 (31 days)</b>	<b>4<sup>th</sup> Six Weeks</b>	<b>January 7 – February 14 (27 days)</b>
<b>Unit 01: Graphs, Attributes, and Applications of Functions (13 days for the entire unit)</b> P.2D, P.2F, P.2I, P.2J, P.2L, P.2M, P.2N  <b>Unit 02: Composition and Inverses of Functions (10 days for the entire unit)</b> P.2A, P.2B, P.2C, P.2E  <b>Unit 04 Part 1: Rational Functions, Equations, and Inequalities (5 days)</b> P.2F, P.2G, P.2I, P.2J, P.2K, P.2L, P.2M, P.2N, P.5L		<b>Unit 10: Vectors (9 days for the entire unit)</b> P.4C, P.4F, P.4I, P.4J, P.4K  <b>Unit 11: Parametric Equations (8 days for the entire unit)</b> P.3A, P.3B, P.3C  <b>Unit 12: Polar Equations (7 days for the entire unit)</b> P.3D, P.3E	
<b>2<sup>nd</sup> Six Weeks</b>	<b>September 30 – November 1 (24 days)</b>	<b>5<sup>th</sup> Six Weeks</b>	<b>February 17 – April 3 (29 days)</b>
<b>Unit 04 Part 2: Rational Functions, Equations, and Inequalities (10 days to finish the unit)</b> P.2F, P.2G, P.2I, P.2J, P.2K, P.2L, P.2M, P.2N, P.5L  <b>*1<sup>st</sup> 9 Week Assessment Window 10/9 – 10/18 Scanning Deadline 10/18</b> <b>Assessment will cover all of Units 01, 02, 04</b>  <b>Unit 07: Problem Solving with Trigonometric Ratios (12 days for the entire unit)</b> P.2P, P.4E, P.4F, P.4G, P.4H		<b>Unit 06: Sequences, Series, and Binomial Expansion (12 days for the entire unit)</b> P.5A, P.5B, P.5C, P.5D, P.5E, P.5F  <b>*3<sup>rd</sup> 9 Week Assessment Window 3/4 – 3/13 Scanning Deadline 3/13</b> <b>Assessment will be cumulative</b>  <b>Unit 13: Conics (15 days for the entire unit)</b> P.3B, P.3C, P.3F, P.3G, P.3H, P.3I	
<b>3<sup>rd</sup> Six Weeks</b>	<b>November 4 – December 20 (28 days)</b>	<b>6<sup>th</sup> Six Weeks</b>	<b>April 6 – May 22 (33 days)</b>
<b>Unit 08: Trigonometric Functions (14 days for the entire unit)</b> P.2E, P.2F, P.2G, P.2H, P.2I, P.2O, P.2P, P.4A, P.4B, P.4C, P.4D  <b>Unit 09: Trigonometric Equations and Identities (12 days for the entire unit)</b> P.5M, P.5N  <b>*2<sup>nd</sup> 9 Week Assessment Window 12/11 – 12/20 Scanning Deadline 12/20</b> <b>Assessment will cover all of Units 07, 08, 09, &amp; 1<sup>st</sup> 9 Week Spiral</b>		<b>Unit 03: Polynomial and Power Functions, Equations, and Inequalities (15 days for the entire unit)</b> P.2F, P.2G, P.2I, P.2J, P.2N, P.5J, P.5K  <b>Unit 05: Exponential and Logarithmic Functions and Equations (12 days for the entire unit)</b> P.2E, P.2F, P.2G, P.2I, P.2J, P.2N, P.5G, P.5H, P.5I  <b>*4<sup>th</sup> 9 Week Assessment Window 5/13 – 5/22 Scanning Deadline 5/22</b> <b>Assessment will be cumulative</b>	

Please feel free to contact me via email ([monica.chen@lubbockisd.org](mailto:monica.chen@lubbockisd.org)) with any questions or concerns. I may also be reached via the school phone message system at (806) 219-1930.

Thank you. I hope you have a great year!

Sincerely,

Ms. Chen

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