

# Lake-Sumter State College Course Syllabus

## Course Information:

Course Prefix and Number: **MAC 1140**

Course Title: **Precalculus Algebra**

CRN: **10542(3<sup>rd</sup> period) and 10543(7<sup>th</sup> period)**

Credit Hours: 4

Semester: **Fall 2019**

Class Days, Location, Time: **M-T-W-R-F 10542 meets 9:35 – 10:25, 10543 meets 1:45 – 2:35**

**Course Description:** This is a calculus preparatory course in college algebra and analytic geometry that, in conjunction with MAC 1114 (Trigonometry), is designed to provide the student with the algebraic skills necessary for MAC 2311 (Calculus with Analytic Geometry 1). Major topics include: polynomial and rational functions, their properties and graphs; polynomial and rational inequalities; exponential and logarithmic functions, their properties and graphs; piecewise defined functions; inverse functions; systems of linear and nonlinear equations; conic sections; matrices and determinants sequences and series; mathematical induction and the binomial theorem. NOTE: A graphing calculator is required.

## Instructor Information:

Name: **Mary Ann Robertson**

E-Mail: [robertsm@lssc.edu](mailto:robertsm@lssc.edu) and [Mary.Robertson@tvcs.org](mailto:Mary.Robertson@tvcs.org)

Office Location: **VHS room 220**

Phone: **352-259-3777 ext.: 1220**

Office Hours: **M-W-F 2:45 – 4:00 (or later if necessary)**

## Vital Communication Information:

For e-mail, please note that all students are required to use Lakehawk Mail for official college e-mail communications. See the college webpage for [instructions on activating Lakehawk Mail](#).

Sending a private message using the MESSAGES tool in Canvas is always the most secure method of contacting your Instructor.

Please remember that any phone contact with your Instructor should be of a professional nature. Please always leave a clear, concise, but detailed message with your contact and class information. Always follow up a phone call with a written account via Canvas Message or e-mail.

## Prerequisites/Co-requisites:

Prerequisites: C or higher in MAC 1105 or appropriate placement score

Co-requisites: None

## Textbook & Other Course Materials:

Precalculus: Functions and Graphs, Dugopolski, 4th Ed., Addison Wesley, Pearson Education, Inc., 2013

MyMathLab access code is required.

The hardcopy of the textbook is optional, as there is an eBook in MyMathLab.

\*Homework will be assigned in MML and will count for credit. You may still do the homework in the etext which will be found in the appropriate chapter and section of the multimedia textbook.

## Technology Requirements:

Canvas is a required component of this course. Students unfamiliar with Canvas are expected to complete the Student Orientation course located in Canvas within the first week of classes.

Graphing Calculator is required. The TI-83 or 84 are recommended but any graphing calculator that does not perform symbolic manipulation may be used.

TI-82, TI-83, TI-83plus, TI-84, TI-84plus, TI-85, and TI-86 are all acceptable calculators. Students will not be allowed to use a TI-89 or TI-92 calculator. If you are using another calculator, such as a Casio or HP, the instructor will determine if your calculator is acceptable.

See the [LSSC Student Technology Help Desk webpage](#) for more information about accessing Microsoft Office 365.

## Course Student Learning Outcomes:

The following outcomes will be assessed in this course. An “outcome” is defined as something students take with them beyond this course. After successful completion of this course, the student will:

SLO1: Analyzes characteristics and properties of relations and functions, and performing processes.

SLO2: Solves and graphs a variety of equations and inequalities.

SLO3: Synthesizes concepts and applies to real-world problems.

## Course Objectives:

Objectives are defined as what the course will do and/or what the students will do as part of the course.

Precalculus Algebra (MAC 1140) is designed to give students a strong algebraic foundation, which is necessary for success in Calculus. Students must pass this course and Trigonometry (MAC 1114) with grades of “C” or higher, in order to proceed to Calculus I (MAC 2311).

## Institutional Policies & Procedures:

### Academic Integrity:

The successful functioning of the academic community demands honesty, which is the basis of respect for both ideas and persons. In the academic community, there is an ongoing assumption of academic integrity at all levels. There is the expectation that work will be independently thoughtful and responsible as to its sources of information and inspiration. Honesty is an appropriate consideration in other ways as well, including but not limited to the responsible use of library resources, responsible conduct in examinations, and the responsible use of the Internet. See the [college catalog](#) for complete statement.

## Important Information for Students with Disabilities:

Any student with a documented disability who requires assistance or academic accommodations should contact the Office for Students with Disabilities immediately to discuss eligibility. The Office for Students with Disabilities (OSD) is located on the Leesburg Campus, but arrangements can be made to meet with a student on any campus. An appointment can be made by calling 352-365-3589 and specific information about the OSD and potential services can be found at [Disability Services](#).

## Privacy Policy (FERPA):

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part99) is a Federal law that protects the privacy of a student's education records. In order for your information to be released, a form must be signed and in your records located in the Admissions/Registrar's Office.

## Zero-Tolerance for Violence Statement:

Lake-Sumter State College has a policy of zero tolerance for violence as stated in College Board Rule 2.17. Appropriate disciplinary action will be taken in accordance with Board Rule 2.17.

## Attendance/Withdrawal Policies:

### Initial Attendance:

Initial attendance will be entered at the end of the second week of the semester/mini-mester. A student who has not met initial attendance requirements will be marked as "not-attending" and administratively withdrawn from the class. The withdrawn student is still financially responsible for the class. See the [college catalog](#) for more details.

### Withdrawal:

Once the Add/Drop period passes, students deciding to discontinue class attendance and/or online participation have the responsibility for formal withdrawal by the withdrawal deadline.

### Withdrawal Deadline:

Monday, October 28, 2019. If you wish to withdraw from this course it is your responsibility to see Mrs. Costa **prior** to this deadline.

## Instructor Policies:

You are expected to be in the classroom and prepared for class at the start of class (by the tardy bell). All homework should be completed by due dates listed in the Syllabus or MML. Learn to manage your restroom and water breaks at times that do not take away from the class time.

All graded/evaluated items must be completed by the due dates posted on the Course Calendar Document associated with this course. The instructor has the right to adjust the Course Calendar if necessary. If the Course Calendar is adjusted, it will be announced in class in advance. All late work will receive a zero (0). Work schedules and "I forgot" are not valid excuses for late work. Do not wait until the last minute to complete assignments. It is the student's responsibility to have an alternate plan if their main computer system fails (i.e. – complete work on-site at a campus library or learning center, have a secondary computer available, etc.). Computer hardware, software and/or Internet problems are not acceptable excuses for incomplete assignments

## Late Work/Extensions:

Completing homework assignments in a timely manner is an important part of the learning process. Students are expected to complete and submit all assignments by the due date and time listed on the course calendar. Instructors are not required to accept nor grade any assignment submitted late. Extensions are not possible.

**There is no make up for quizzes, exams, or tests, except under documented circumstances such as hospital stay, doctor excuse, police report, court order or subpoena, or military assignment. Students are expected to contact their instructor prior to class if they must be absent for any reason. Each situation will be determined on a case-by-case basis by your instructor. Instructors are not required to accept nor grade any quiz, test, or exam submitted late. Extensions are not possible.** Quiz, exam, or test make up will be administered on campus by the instructor or a proctor and are **not** eligible for “at home” completion.

## Classroom Etiquette:

Students are expected to be in their seats and ready to start class when the tardy bell rings. Students are expected to work in class and be on task at all times. Work from other courses is not to be completed during class time.

All answers must be in “simplified form”. For example, all fractions must be reduced. Other specifications will be made in class.

If you are caught cheating, you will either fail the assignment/test or the course at the discretion of the instructor. No warning will be given.

## Grading Information:

### Grading Scale:

- A 90-100%
- B 80-89%
- C 70-79%
- D 60-69%
- F 59% and below

## Methods of Evaluation:

Your final course grade will be calculated using test scores, homework completed online, and a final exam.

## Assignment Overview & Grade Breakdown:

Category	Description	Points or %
Homework	MML Homework for each section covered	10%
Test	Unit Tests	70%
Final Exam	Comprehensive Final Exam	20%
	Total	100%

Tentative Course Calendar: May be adjusted at the discretion of the instructor

Week	Week of	Objectives & Reading Assignments	Items Due
1	Aug 19	2.1, 2.2, 2.3	
2	Aug 26	2.4, 2.5	
3	Sept 2	Review Chapter 2, <b>Test #1</b> on Chapter 2; 1.7	<b>Test #1</b>
4	Sept 9	3.1, 3.2, 3.3, 3.5	
5	Sept 16	3.5, 3.6, Review Chapter 3	
6	Sept 23	<b>Test #2</b> on Chapter 3 plus 1.7; 4.1, 4.2	<b>Test #2</b>
7	Sept 30	4.2, 4.3, 4.4	
8	Oct. 7	Review Chapter 4, <b>Test #3</b> on Chapter 4; 10.1, 10.2	<b>Test #3</b>
9	Oct 14	10.2, 10.3, 10.4	
10	Oct 21	8.1, 8.3, 8.4	
11	<b>Oct 28</b>	<b>Withdrawal Deadline</b>	
11	Oct 28	Review Chapter 8 & 10; <b>Test #4</b> on Ch. 8 & 10; 9.1, 9.5	<b>Test #4</b>
12	Nov 4	9.5, 9.6, 11.1,	
13	Nov 11	11.2, 11.3, 11.5,	
14	Nov 18	Review Chapters 9 & 11, <b>Test #5</b> on Ch.9 & 11	<b>Test #5</b>
	Nov 25	<b>THANKSGIVING BREAK</b>	<b>Final Exam Review</b>
15	Dec 2	<b>Final Exam Review Continued</b>	
15	Dec 3 - 5	<b>FINAL EXAM</b>	

Syllabus Disclaimer:

Information contained in this syllabus is, to the best knowledge of this instructor, considered correct and complete when distributed to the student. The instructor reserves the right, acting within policies and procedures of Lake-Sumter State College, to make necessary changes in course content or instructional techniques without prior notice or obligation to the student.