

Lake-Sumter State College Course Syllabus

Course Information:

Course Prefix and Number: **MAC 2312**

Course Title: **Calculus with Analytic Geometry II**

CRN: **10557**

Credit Hours: **4**

Semester: **Fall 2019**

Class Days, Location, Time: **M-T-W-R-F, VHS room 220, 10⁰⁰:30 – 11:20**

Course Description: This is the second course in a three-semester sequence. Topics covered in this course are arc length; techniques of integration; parametric equations and polar coordinates; Taylor's formula, infinite sequences and series. **NOTE: A graphing calculator is required**

Instructor Information:

Name: **Mary Ann Robertson**

E-Mail: robertsm@lssc.edu and mary.robertson@tvcs.org

Office Location: **VHS room 220**

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

Office Hours: **M-W-F 2:45 – 4:00**

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 2311

Co-requisites: None

Textbook & Other Course Materials:

Calculus Early Transcendentals, Stewart, 8/e, Cengage Learning

*Students are not required to purchase a MyMathLab code. There will be a set of suggested homework problems assigned by the instructor but they will count for zero percent of the overall grade.

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.

A graphing calculator is required. The TI-83 or 84 are recommended but any graphing calculator that does not perform symbolic manipulations may be used. You may not use the TI-89, TI-92 or TI-NSpire calculators. The TI-NSpire with the TI-84 overlay 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: Demonstrate and apply knowledge of a variety of techniques of integration.

SLO2: Demonstrate knowledge of a variety of applications of integration.

SLO3: Demonstrate and apply knowledge of parametric equations and polar coordinates.

SLO4: Demonstrate and apply knowledge of infinite sequences and series.

Course Objectives:

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

To prepare the student with rigorous mathematical applications in the applied sciences requiring an understanding and application of the calculus.

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. It is the student's responsibility to contact Mrs. Costa **prior** to the deadline if you desire to withdraw from this course.

Instructor Policies:

Regular attendance is essential to learn the material and succeed in this course. If you must miss class, you should contact a fellow student to find out what was covered, copy notes, etc. because you are responsible for what was covered.

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. Although homework is not graded, it is invaluable in learning material that will be assessed on quizzes and tests.

There is no make up for quizzes, exams, or tests, except under documented circumstances such as hospital stay, doctor excuse, police report, 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:

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 fail 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 grade will consist of 5 tests and the final exam. You will have 5 practice tests prior to the exams that do not count for a grade but will serve the purpose of reviewing for the exams.

Assignment Overview & Grade Breakdown:

Category	Description	Points or %
Test	Five unit tests	80%
Final Exam	Comprehensive Final Exam	20%
	Total	100%

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

Week	Week of	Lecture Content	Items Due
1	August 19	Syllabus, 6.1, 6.2, 6.3	Signed Contract
2	August 26	6.5, Review Test #1	Test #1
3	September 2	7.1, 7.2, 7.3,	
4	September 9	7.4, 7.5, 7.6	
5	September 16	Review, Test #2, 7.7, 7.8	Test #2
6	September 23	8.1, 8.2	
7	September 30	10.1, 10.2, 10.3,	
8	October 7	10.4, Review, Test #3	Test #3
9	October 14	11.1, 11.2	
10	October 21	11.3, 11.4, 11.5	
11	October 28	Withdrawal Deadline	See Mrs. Costa before today
11	October 28	Review Test #4	Test #4
12	November 4	11.6, 11.7, 11.8	
13	November 11	11.10, 11.11	
14	November 18	Review Test #5	Test #5
	November 25	Thanksgiving Holiday	Final Exam Review
15	December 2	Final Exam Review	
15	December 3 - 5	Final Exam	

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.