

Ms. Petrusko
MATH1650 - College Algebra - Fall 2023
Room: C202 Office: A205

Lakeland/MHS College Credit Plus
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440.974.5383

Website: <http://mspetrusko.weebly.com>

Help: Monday - Friday: 6:50 - 7:15 and 2:30 - 3:00
I'm also available 3/4 and 15/16 by appointment.

CRN: 10766 (7/8, M - F, 10:02 - 10:52)
10833 (13/14, M - F, 12:44 - 1:34)

Prerequisite: MATH0950 or placement test, enrollment in Lakeland/MHS CCP program

Text: **Precalculus (Chapters 1 - 9)**, 4th Ed., Carl Stitz & Jeff Zeager
www.stitz-zeager.com

This class (4 semester hours/1 high school credit) investigates relations and functions numerically, analytically, and graphically. Topics include solutions of polynomial and rational equations and inequalities; exponential and logarithmic equations; systems of linear and non-linear equations; conic sections; sequences and series; and mathematical modeling.

<http://www.lakelandcc.edu/web/about/curriculum-transfer-mathematics/>

Tentative date for unit test:

Material Covered:	Chapter 1	Sections 1 - 4	9/5/23
	Chapter 2	Sections 1 - 4	9/14/23
	Chapter 3	Sections 1 - 3	9/25/23
	Chapter 4	Sections 1 - 3	10/4/23
	Chapter 5	Sections 1 - 6	10/19/23
	Chapter 6	Sections 1 - 6	11/2/23
	Chapter 7	Sections 1 - 5	11/17/23
	Chapter 8	Sections 1 & 7	12/13/23
	Chapter 9	Sections 1, 2, & 4	12/13/23
		Cumulative Final	12/14/23

*MyMathLab-The bulk of lessons, notes, examples, classwork, and practice problems are from the Stitz-Zeager text. There will be between 5 and 10 assignments from MML using Sullivan: Precalculus Enhanced w/Graphing Utilities 7e to supplement lessons and learning. The problems assigned from MML will match the rigor found in the Stitz-Zeager text.

Calculator: You will need a graphing calculator for this course

General Classroom Policies:

1. Students are expected to give common courtesy and respect to the teacher and fellow classmates.
2. Horseplay, vulgarity, and improper language will not be tolerated.
3. No food or drinks without a lid are allowed in the classroom.
4. If caught cheating, the student(s) will receive a 0% for the assignment.
No make-up assignment will be given.
5. Students are to be prepared for class.
6. Students are to be attentive in class and ask questions to aid in understanding. We are here to learn, don't be afraid to ask a question!

Infractions of the classroom policies or procedures will result in disciplinary action. You will be asked to remain after class to reduce the interruptions.

Grading Policy - **I DO NOT ROUND GRADES.**

10% Homework or class assignments

Practice problems from each section of the book will be assigned, not all will be graded.

- Up to 10 assignments from MathLab graded for accuracy
- Late assignments will be accepted at a 50% reduction through the end of the unit. If not done by the end of the unit, a zero will be placed in the grade book.
- If you are absent the day an assignment is due, turn it in upon your return to school for full credit

90% Quizzes, Projects, Tests, & Comprehensive Final Exam

- Quiz is usually announced and covers 2 or 3 sections
- Tests will be announced (usually) a week in advance
- Work must be shown to receive partial credit (if feasible)
- The approximate breakdown of this category is

Quizzes/Projects: 15%, Unit Exams 65%, Final 20%

-The COMPREHENSIVE FINAL will be discussed in November.

Grades will be assigned according to the following scale

$\geq 90\%$	A
$80\% \leq \text{score} < 90\%$	B
$70\% \leq \text{score} < 80\%$	C
$60\% \leq \text{score} < 70\%$	D
$< 60\%$	F

If you are absent from class, it is your responsibility to get the assignment(s) missed and turn them in within the allotted time frame (one day absent = one additional day, etc.). The most up-to-date calendar will be posted in Schoology, along with all of the course documents (notes, videos, necessary links, etc.). Please do not rely on "anticipated" assignments. Teaching and learning are fluid and adjustments may need to be made. If that is the case, the calendar will be updated as soon as possible.

I use Infinite Campus to record attendance. If you are absent it will be marked, whether it is excused or unexcused. The only time attendance will affect your grade is if you have an unexcused absence on an exam day. If you skip class on the day of an exam, your score may be reduced by up to 50%.

I use ThinkWave.com to record your grades. You will be given an access code to check your grades at any time.

Withdrawals from class must be made before November 17, 2023.

Students are required to follow Mentor Schools Policies while on Mentor Campuses.

Refer to <https://www.mentorschools.net> for the most up to date information.

If you are also attending courses on Lakeland's campus, you will need to follow Lakeland's policies.

Find the Student Code of Personal Responsibility for Lakeland at <https://www.lakelandcc.edu>.

MATH1650 Tentative Calendar - Fall 2023

8/22/23	First day back - Welcome/Syllabus	10/23/23	6.1 Exponential Functions
8/23/23	1.1 Functions and Their Mappings	10/24/23	6.2 Logarithmic Functions
8/24/23	1.2 Constant and Linear Functions	10/25/23	6.3 Properties of Logarithms
8/25/23	1.2 Constant and Linear Functions	10/26/23	6.4 Exponential Equations/Inequalities
		10/27/23	6.5 Logarithmic Equations/Inequalities
8/28/23	1.3 Absolute Value Functions	10/30/23	6.6 Applications of Exp/Log Functions
8/29/23	1.3 Absolute Value Functions	10/31/23	6.6 Applications of Exp/Log Functions
8/30/23	1.4 Quadratic Functions	11/1/23	Review 6.1 - 6.6
8/31/23	1.4 Quadratic Functions	11/2/23	TEST 6.1 - 6.6
9/1/23	Review 1.1 - 1.4	11/3/23	7.3 Circles
9/4/23	No School - Labor Day	11/6/23	7.4 Ellipses
9/5/23	TEST 1.1 - 1.4	11/7/23	7.4 Ellipses
9/6/23	2.1 Graphs of Polynomials	11/8/23	7.5 Hyperbolas
9/7/23	2.2 Remainder and Factor Theorem	11/9/23	7.5 Hyperbolas
9/8/23	2.3 Real Zeros of Polynomials	11/10/23	7.2 Parabolas
	(9/8 - Last Day to Drop 100% Refund)		
9/11/23	2.3 Real Zeros of Polynomials	11/13/23	7.2 Parabolas
9/12/23	2.4 Complex Zeros	11/14/23	Conic Applications
9/13/23	Review 2.1 - 2.4	11/15/23	Conic Applications
9/14/23	TEST 2.1 - 2.4	11/16/23	Review 7.1 - 7.5
9/15/23	3.1/3.2 Rational Functions, Graphing	11/17/23	TEST 7.1 - 7.5
	(9/15 - Last Day to Drop 50% Refund)		(11/17 - Last Day Withdraw)
9/18/23	3.1/3.2 Rational Functions, Graphing	11/20/23	Discuss Final Exam
9/19/23	3.3 Rational Inequalities & Applications	11/21/23	8.1 System of Linear Equations
9/20/23	3.3 Rational Inequalities & Applications	11/22/23	No School - Thanksgiving Break
9/21/23	Review 3.1 - 3.3	11/23/23	No School - Thanksgiving Break
9/22/23	REMOTE DAY (Asynchronous)	11/24/23	No School - Thanksgiving Break
	(9/22 - Last Day to Drop 25% Refund)		
9/25/23	TEST 3.1 - 3.3	11/27/23	No School - Thanksgiving Break
9/26/23	4.1 Root and radical functions	11/28/23	8.1 System of Linear Equations
9/27/23	4.1 Root and radical functions	11/29/23	8.1 System of Linear Equations
9/28/23	4.2 Power Functions	11/30/23	8.1 System of Linear Equations
9/29/23	4.3 Eqns/Inequalities w/Power Functions	12/1/23	8.7 System of Non-linear Equations
10/2/23	4.3 Eqns/Inequalities w/Power Functions	12/4/23	8.7 System of Non-linear Equations
10/3/23	Review 4.1 - 4.3	12/5/23	9.1 Sequences
10/4/23	TEST 4.1 - 4.3	12/6/23	9.2 Summation Notation
10/5/23	5.2 Function Arithmetic	12/7/23	9.4 Binomial Theorem
10/6/23	5.2 Function Arithmetic	12/8/23	9.1/9.2/9.4 - Applications
10/9/23	5.3 Function Composition	12/11/23	Final Review
10/10/23	5.5 Relations and Implicit Functions	12/12/23	Final Review
10/11/23	PSAT/SAT/ASVAB - No Class	12/13/23	FINAL EXAM - Part 1
10/12/23	5.1 Graphs of Functions	12/14/23	FINAL EXAM - Part 2
10/13/23	No School - NEOEA Day	12/15/23	No Class
10/16/23	5.4 Transformations of Graphs		
10/17/23	5.6 Inverse Functions		
10/18/23	Review 5.1 - 5.6		
10/19/23	TEST 5.1 - 5.6		
10/20/23	No School - Records Day		

Lakeland Community College
Additional Syllabus Information and Statements

Early Alert Statement: To help you succeed at Lakeland Community College, the college has a process called Academic Early Alert to link students to college resources that address academic, student support and behavioral issues. Throughout the semester if your instructor feels you may benefit from one or more of the college's resources, they will reach out to the resource on your behalf. You will then receive an email notification and may be contacted directly by a resource advocate who can assist you and provide support for you to be successful in the course.

Psychological and Personal Counseling Services: These are available to help you succeed at Lakeland when personal, emotional, or mental health difficulties are interfering with your learning. Some common challenges that students face include anxiety, stress, depression, relationship problems and challenging life transitions. Students experiencing a traumatic response to something they've encountered as a LAKELAND student should seek assistance from the resources outlined in this paragraph titled, 'Psychological and personal counseling services.' To make an appointment, call 440-525-7200. If your situation is urgent, please say so when scheduling an appointment. In case of a mental health emergency, you can also reach the Lake County Crisis Hotline 24/7 at 440-953-8255 or dial 911 or go to the nearest hospital emergency room. Also, download Lakeland's Reach Out and Lakeland Safe mobile apps so that you can be prepared to report an emergency, access or help a friend in need. Search "Reach Out Lakeland" and "Lakeland Safe" on the App Store or Google Play.

Academic Integrity: Lakeland Community College highly values academic integrity, and so do I. Accessing unauthorized information during academic assignments and exams, plagiarism, fabrication of material included in academic work, denying others access to information or material, enabling academic misconduct, and deception in order to gain academic advantage are all violations of academic misconduct at Lakeland and will not be tolerated. To avoid academic misconduct, do your own work, follow the directions/rules on assignments, and cite your sources. The College's Student Conduct Code, which outlines the procedure followed when a student commits academic misconduct, can be found by going to <http://www.lakelandcc.edu/student/studenthandbook>.

Student Accommodation Center: Lakeland Community College is committed to providing all students equal access to learning opportunities. The Student Accommodation Center works with students with documented disabilities to provide and/or arrange reasonable accommodations. If you have a disability (e.g. learning, attention, psychiatric, vision, hearing, physical, or systemic) and feel it may create a barrier to your education, contact the Student Accommodation Center at 440.525.7020 or email mwheeler21@lakelandcc.edu to schedule an appointment. The Student Accommodation Center is located in A-1042.

Religious Accommodations: Students seeking an accommodation for absences permitted under Ohio's Testing Your Faith Act, Ohio Revised Code 3345.026, must provide the instructor with written notice of the specific dates for which the student requires an accommodation and must do so not later than fourteen (14) days after the first day of instruction. A non-exhaustive list of major religious holidays and festivals can be found on the Lakeland website [here](#). Students with questions about their religious accommodations under Ohio's Testing your Faith Act, and the college Religious Accommodations policy, may contact the college General Counsel by phone at (440) 525-7788 or via email at mfisher@lakelandcc.edu. If a student feels that they have not received a religious accommodation allowed by this policy, they should notify the college by completing the Concern or Complaint form: https://cm.maxient.com/reportingform.php?LakelandCC&layout_id=2

Statement on Title IX: Lakeland Community College is committed to providing an academic, study and work environment free of inappropriate and disrespectful sexual conduct and communication in any form. Lakeland will conduct its programs, services, and activities in accordance with applicable federal laws, including Title IX of the Education Amendments of 1972, as well as state and local laws, and Lakeland's policies and procedures. Lakeland's responsibilities and programs for preventing sexual harassment and sexual misconduct and addressing it when it occurs are coordinated by Lakeland's Title IX Coordinator. Resources are available for students and employees to address concerns pertaining to sex discrimination, including sexual misconduct. If you require information, support or would like to file a complaint, contact Lakeland's Title IX Coordinator. The director for human resources serves as the college's Title IX coordinator. Contact information can be obtained from the human resources department at 440.525.7555.

Federal Compliance Statement: It is expected that students will spend two to three hours, minimally, outside of the classroom/laboratory performing course-related work such as readings, research, homework assignments, practicals, studio work, and other academic work for every hour of instruction spent in the classroom/laboratory.

Lakeland Community College Learning Outcomes Learns Actively Thinks Critically Communicates Clearly Uses Information Effectively Interacts in Diverse Environment Essential skills for personal and professional growth

Please note, the instructor may modify this syllabus at any time and then inform the class of any changes as they occur. It is the student's responsibility to note these changes accordingly. Also, students are advised to contact the instructor immediately for additional help in this course. Other options include the Learning Center and Writing Center.