

Course Syllabus

College Algebra

Instructor/Department Contact Information:

Instructor: JoAnne Taylor

Office Location: HHS D204

Office Hours: M – Th 2:45 – 3:45

Contact: 281-324-7544

Email jtaylor@lee.edu

Division Chair: Jim Dobberstine

Contact: 281-425-6354 SB 206B

Division Secretary: Oneida Gongora

Contact: 281-425-6332 SB 206A

Dean: Dr. Onimi Wilcox

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College Website: www.lee.edu

Course Details:

Term: Fall

Course Number: MATH 1314

Course Section F016

Credit Hours 3

Class Location: HHS B225

Class Day(s): M, T, W, F

Class Time: 7:20 – 9:00 am

Course Description:

This course covers the study of quadratic, polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants

Student Learning Outcomes:

- Upon successful completion of this course, students will:
- Demonstrate understanding and knowledge of properties of functions, which include domain and range, operations, compositions, and inverses.
- Recognize and apply polynomial, rational, radical, exponential, and logarithmic functions and solve related equations.
- Apply graphing techniques.
- Evaluate all roots of higher degree polynomial and rational functions.
- Recognize, solve and apply systems of linear equations using matrices.

Prerequisites/Co-requisites:

TSIA Reading 351, TSIA Writing 5 (4 + 340), TSIA Math 350

MATH330 or equivalent and ENGL301 or equivalent. Pre/Co requisite: READ302 or equivalent

In our efforts to prepare students for a changing world, students may be expected to utilize computer technology while enrolled in classes, certificate, and/or degree programs within Lee College. Click on any of the [links](#) for more information:

Computer and online proficiencies helpful in this program include the ability to navigate in the Internet, login to Lee College's website and online Learning Management System (LMS), and use basic features of Microsoft Office (Create a Word Document). Due to the cost of MS Office the college has [Office 365](#) available to students at no charge (click on link for access). This can be installed on up to five different devices (home computer, tablet, etc.) Students will have access to college computer labs and the Lee

College Library during normal hours as well as being able to remotely login from outside locations using personal devices.

Grades will be continuously made available to students with the LMS through Blackboard. This is accessed using the student's login and password provided when the student first registered for classes. \add any further information on the use of technology in your course here

Supplies Requirement:

1. Pearson MyMathLab access code for homeworks, quizzes, includes the online book.
www.pearson.com/mylab
Course ID taylor26417
2. Hamby's College Algebra Lecture Worksheets by Hamby at Lee College Bookstore
3. Graphing Calculator & Spiral Notebook

[Link to the Americans with Disabilities Act \(ADA\) Website:](#) Lee College is committed to providing all students equal access to learning opportunities as required by the Vocational Rehabilitation Act of 1973, Title V, Section 504 and the Americans with Disabilities Act of 1990 (ADA). Disability Services (DS) is the campus unit that works with students who have disabilities to provide and/or arrange reasonable accommodations. Students registered with DS, who have a letter requesting accommodations, are encouraged to contact the professor early in the semester. Students who have, or think they may have, a disability, are invited to contact DS for a confidential discussion at (832)-556-4069 or at kvillanueva@lee.edu. DS is located in Rundell Hall room 106. Additional information is available at the DS website [Access Center for Students with Disabilities Website](#).

[Attendance Policy Link:](#) Please notify me by phone or via email when you are not able to attend class. Students who have been absent from class for three hours or three sessions without notifying the instructor may be dropped for non-attendance. In addition to an attendance policy for face-to-face courses, Lee College has established, in compliance with the U.S. Department of Education, an online attendance policy found in the online catalog under [The Community and Lee College heading – Online Learning](#).

[Absences Due to Religious Holy Days Link to Catalog:](#) Students may be absent from classes for the observance of a religious holy day and will be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time as established by the instructor.

[Academic Honesty Policy/Cheating Link to Catalog:](#) Academic honesty is essential to the maintenance of an environment where teaching and learning take place. It is also the foundation upon which students build personal integrity and establish standards of personal behavior. Lee College expects and encourages all students to contribute to such an environment by observing the principles of academic honesty outlined in the College's Academic Honesty Code, which is detailed in Chapter Three of the Lee College Catalog under Academic Honesty. It is the student's responsibility to understand and comply with this code.

[Title IX](#) : Lee College is committed to providing all with a learning and work environment that is free from sexual harassment and assault. If you or someone you know has been harassed or assaulted, you can find the appropriate resources, both on and off campus at [kNOw More](#). Confidential support can be found through The Bridge Over Troubled Waters. The Bridge can be contacted at 281-420-5600 (Baytown Office) or through their 24 hour hotline at 713-473-2801 and other resources can be found on the [Lee College Available Resources Page](#). All Lee College faculty are "responsible employees", which means, as a faculty member I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide the Title IX Coordinator with relevant details such as the names

of those involved in the incident. If you want to make a formal report, you can contact Dr. Coffman directly at rcoffman@lee.edu or 281-425-6387 or email TitleIXSupport@lee.edu .

Instructor Guidelines and Policies

Attendance: Since this is a skills course, it is essential that you attend class regularly. If you miss a class, it is your responsibility to learn the material on your own. You are allowed 4 absences (or their equivalents) throughout the semester. Absences will count against you as follows:

0-4 absences	No Penalty
5 th absence	You will lose 5 points on your overall grade
6 th absence	You will lose another 5 points (a full letter grade) from your overall grade
7 th absence	You will be dropped from the class.

Arriving late or leaving early (up to 15 minutes) will count as a half an absence; missing more than fifteen minutes of class will count as a full absence. I take roll at the beginning of class, so if you arrive late, it is your responsibility to stay after to ask me to revise the roll. Engaging in inappropriate activities (texting, sleeping, etc.) will count against you as absences. I do not distinguish between excused and unexcused absences

Students who miss three or more classes before the day of record will be dropped from the course.

Assignments: Homeworks and quizzes will be assigned and tracked on MyMathLab. Deadlines are firm. In extenuating circumstances that a deadline is not met, please see me. Projects and Exams will be proctored in class and recorded on MyMathLab.

Make-up Exams: If you miss an exam, you will be given the opportunity to make it up the next class meeting after class. Arrangements to stay and complete the exam are your responsibility. You can only make up one exam.

Cell phones and Computers: Cell phone use in class is prohibited. All cell phones must be turned off or set on silent mode (not vibrate). Cell phones used in class will be confiscated and you will be asked to leave the class for the day resulting in an absence. HHS policy, cell phones must be placed in the cell phone holder at the beginning of each class.

Withdrawal / Drop Policy Link to Catalog: Withdrawal from the course after the official day of record and prior to the final day for Student Drops will result in a final grade of “W” on your transcript; no credit will be awarded for a course earning a “W.” If you stop attending class, you must withdraw at the Admissions office prior to the final day for Student Drops to avoid receiving a grade of “F” for that class. The last day for Student Drops for this semester is: November 16, 2018

Student Support and Services

Lee College provides academic, financial and various other supports and services to students. Information on the three commonly used academic services are listed below. For all other supports and services please check the student catalog for information.

1. [Library](#), ATC building 1st Floor, Phone: 281.425.6379
2. [The Writing Center](#), Bonner Hall, 281.425.6534
3. [Technology Help Desk](#), email: helpdesk@lee.edu, Phone: 281.425.myLC (6952)

Assignment and Test Schedule: *(Instructor reserves the right to modify this schedule as needed during the course.)*

Week		Reading Assignments and Activities	Tests / Assignment due dates	% of grade
1	Aug 27 - Sep 2	Introduction/Orientation/ 1.1	MML 1.1	10%
		1.2 Linear & Rational Equations	MML 1.2	10%
		1.3 Models & Applications Quiz 1.1-1.3	MML 1.3	10%
		1.4 Complex Numbers	MML 1.4	10%
2	Sep 3 - 9	1.5 Quadratic Equations	MML 1.5	10%
		1.6 Other Types of Equations	MML 1.6	10%
		1.7 Linear Inequalities & Absolute Value Functions	MML 1.7	10%
3	Sep 10 - 16	Project 1 Exam 1		10%
		2.1 Basics of Functions & Their Graphs	MML 2.1	60%
4	Sep 17 - 23	2.2 More on Functions & Their Graphs Quiz 2.1-2.2	MML 2.2	10%
		2.3 Linear Functions & Slope	MML 2.3	10%
		2.4 More on Slope	MML 2.4	10%
		2.5 Transformations of Functions Quiz 2.3-2.5	MML 2.5	10%
		2.6 Combinations of Functions: Composite Functions	MML 2.6	10%
5	Sep 24 - 30	2.7 Inverse Functions	MML 2.7	10%
		Project 2 Raccoon Problem		10%
6	Oct 1 - 7	Exam 2		60%
		3.1 Quadratic Functions	MML 3.1	10%
7	Oct 8 - 14	3.2 Polynomial Functions & Their Graphs	MML 3.2	10%
		3.3 Dividing Polynomials: Remainder & Factor Theorems Quiz 3.1-3.3	MML 3.3	10%
		3.4 Zeros of Polynomial Functions	MML 3.4	10%
		3.5 Rational Functions & Their Graphs	MML 3.5	10%
		3.6 Polynomial & Rational Inequalities Quiz 3.4-3.6	MML 3.6	10%

Week		Reading Assignments and Activities	Tests / Assignment due dates	% of grade
8	Oct 15 - 21	3.7 Modeling Using Variations Exam 3	MML 3.7	10%
		4.1 Exponential Functions	MML 4.1	10%
9	Oct 22 - 28	4.2 Logarithmic Functions	MML 4.2	10%
		4.3 Properties of Logarithms	MML 4.3	10%
10	Oct 29 - Nov 4	4.4 Exponential & Logarithmic Equations Quiz 4.1-4.4	MML 4.4	10%
		4.5 Exponential Growth & Decay Project 3 Gorilla	MML 4.5	10%
11	Nov 5 - 11	8.1 Sequence & Summation Notation	MML 8.1	10%
		8.2 Arithmetic Sequences	MML 8.2	10%
12	Nov 12 – 18	8.3 Geometric Sequences and Series Quiz 4.5, 8.1-8.3 Exam 4 & 8 Project 4 Deer Pop	MML 8.3	10%
		5.1 Systems of Linear Equations-2 Variables	MML 5.1	10%
13	Nov 19 - 25	5.2 Systems of Linear Equations-3 Variables	MML 5.2	10%
		5.4 Systems of Nonlinear Equations - 2Variables Quiz 5.1-5.4	MML 5.4	10%
14	Nov 26 - Dec 2	5.5 Systems of Inequalities	MML 5.5	10%
		Thanksgiving Break		
15	Dec 3 - 9	Exam 5		60%
		6.1 Matrix Solutions to Linear Systems	MML 6.1	10%
16	Dec 10 - 14	6.2 Inconsistent and Dependent Systems	MML 6.2	10%
		6.3 Matrix Operations	MML 6.3	10%
All semester		6.5 Determinants and Cramer's Rule Quiz 5.5, 6.1-6.3,6.5 Exam 6	MML 6.5	10%
		FINAL EXAM		20%

Grade Determination:

Final Average in Percent	Letter Grade
89.50 – 100	A
79.50 – 89.49	B
69.50 – 79.49	C
59.50 – 69.49	D
< 59.50	F
Incomplete - no credit	I

A grade of “I” indicates incomplete work resulting from illness or other unavoidable circumstances. Coursework must be completed per written contract with Instructor during the following semester to earn replacement grade, otherwise it will revert to an “F”. To be eligible to receive an “I” students must have completed at least 75 percent of the work required for the course in question during the original term of enrollment. Policy on this can be found in the [Lee College Catalog/Incomplete](#)