



Department of Information Science

Course Contract (Course outline and Syllabus)

Year		Semester	
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Course Code	CLS107	Title	College Algebra	Credit Hours	3-0-3
Campus	Adailiya		Building/ Room Number		

Course Instructor	Office	Office Tel. Ext.
Email	Office Hours	Lecture Room Location

Teaching Assistant	Office	Office Tel. Ext.
Email	Office Hours	

Course Catalog Description
This course examines fundamentals of algebra and its applications to the real-world situations, polynomials, rational expressions, complex numbers, systems of linear equations, elementary matrices, and their applications.
Prerequisites: ELU 106
Textbook
<ul style="list-style-type: none"> College Algebra, Larson/Hostetler, Houghton Mifflin, 10th Edition
References
<ul style="list-style-type: none"> College Algebra, Aufmann/Barker/Nation, Houghton Mifflin

Course Assessment Plan					
Assessment	Weight		Date*		
Midterm I					
Midterm II					
Final Exam					
Home works					
Quizzes					
Project	Report:	Presentation:	Report Submission:	Presentation:	

* All dates are tentative and may be subject to change.

Unit	Topic Covered in this Course	No of teaching hours
1.	Review of basic mathematical terms and techniques	3
2.	Equations – linear, quadratic, involving absolute value	6
3.	Inequalities– linear, quadratic, involving absolute value	6
4.	Functions and their graphs.	3
5.	Polynomial functions.	3
6.	Rational functions	3
7.	Exponential and logarithmic functions	3
8.	Systems of equations.	6
9.	Matrices and determinants	6
10.	Complex numbers	3

Course Learning Outcomes				
CLO #	CLO statement	CLO mapped to course unit	CLO Level	Student Outcomes
C1	Apply basic techniques for simplification of algebraic expressions, including the expressions with complex values	Unit 5,6,7,10	L	(1)
C2	Solve linear and quadratic equations and inequalities	Unit 2,3	L	(1)
C3	Comprehend basic properties of elementary functions and interpret their behavior	Unit 4,5,6,7	L	(1)
C4	Apply different techniques to solve systems of linear equations	Unit 8,9	L	(1)
C5	Express simple real life situations in terms of linear and quadratic equations and inequalities and their systems and compute their solutions	Unit 2,3,8	L	(1)

Description of Student Outcomes (High)	
SO #	Student Outcome statement
N/A	N/A

University Grading Policy

Range	95 ~ 100	90 ~ 94	87 ~ 89	83 ~ 86	80 ~ 82	77 ~ 79	73 ~ 76	70 ~ 72	65 ~ 69	60 ~ 64	Less than 60	Fail for Absence
Weight	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0.00	0.00
Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	F	FA

General Policies

Group Work and Cheating Policy: Group work is encouraged for solving assignments. However, copying and claiming someone else's work is not accepted at all. It will be reported

and penalized according to the university cheating rules.

Homework Policy: All assignments must be submitted in class and on Black Board on the due date. Late assignments will not be accepted.

Attendance Policy: You should attend the section you are registered in. Attending a section which you are not registered in is NOT PERMITTED for any reason. Students are encouraged to come to class early. Plan to arrive to class 5 minutes before class starts. To avoid class disturbance, please do not negotiate entrance while the class is going on.

Absence Rules: According to university rules:

- The first warning is issued after 3 hours of absence.
- The second (final warning) is issued after 6 hours of absence.
- An "FA" (Fail for Absence) grade is issued after 7 hours of absence.

Course Weekly Breakdown

Dates*	Topics	Comments
Week 1		
Week 2		
Week 3		
Week 4		
Week 5		
Week 6		
Week 7		
Week 8		
Week 9		
Week 10		
Week 11		
Week 12		
Week 13		
Week 14		
FINAL EXAM		

* All dates are tentative and may be subject to change.