Course Information Form (CIF)

Course Code: ALM 098

Course Title: Topics from Intermediate Algebra

Department: Mathematics
PCS Code: 1.4 - Remedial Education
CIP Code: 32.0104
Repeatability: 3

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 1-0-1; 2-0-2
Credit Hour Distribution:

Lecture: 2	Lab: 0	Clinical: 0	**Total: 2**

General Course Information

Catalog Description

Topics will be chosen from relations, functions, graphs and their analysis, polynomials and factoring, radicals, quadratic equations and inequalities, algebraic equations, quadratic functions, modeling and applications. Used to supplement or review MAT 098 course work. Repeatable for a maximum of 8 credit hours.

General Course Objectives

ALM 098 is a variable credit option that covers material from MAT 098. This tutorial provides supplemental instruction for Intermediate Algebra skills to support a student in a MAT 098 class or review Intermediate Algebra topics in preparation for departmental final after completion of modules or placement test.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

None

Methods of Evaluation

Homework, quizzes, 1-2 exams, and a final mastery test or equivalent.

Instructional Materials and Additional Supplies

- Intermediate Algebra, 6th edition; Miller, O'Neill, Hyde, 2022. 978-1-260-72823-1
- Additional materials as assigned by instructor and provided by the Learning Commons.
- TI-84 graphing calculator. $85-120.

Course Content

General Learning Outcomes (GLOs)

- Reasoning and Inquiry: Students will demonstrate the ability to solve problems using deductive reasoning and logic, quantitative reasoning, or the scientific method.

Course Segments and Student Learning Outcomes

1 credit hour option

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Initial Diagnostic and Introduction to Math Study Skills	1. Identify Intermediate Algebra topics needed for review in MAT 098 or in support of coursework in corequisite MAT 124.	1	0	0
Weekly Assignments Related to Selected Intermediate Algebra Topics Per Diagnostic in an 8-Week Period	1. Complete all work assigned in relation to topics selected. 2. Demonstrate competent understanding of selected topics through assignments.	13	0	0
Mastery Test	1. Demonstrate proficiency with the topics covered by passing a comprehensive mastery test.	1	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	0	0

2 credit hour option

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Initial Diagnostic and Introduction to Math Study Skills	1. Identify Intermediate Algebra topics needed for review in MAT 098 or in support of coursework in corequisite MAT 124.	1	0	0
Weekly Assignments Related to Selected Intermediate Algebra Topics Per Diagnostic in a 16-Week Period	1. Complete all work assigned in relation to topics selected. 2. Demonstrate competent understanding of selected topics through assignments.	27	0	0
Mastery Tests (Midterm and Final)	1. Demonstrate proficiency with the topics covered by passing a comprehensive midterm test and a final mastery test.	2	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	0	0