



# COURSE OUTLINE

## MTH121

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Prepared: Math Department    Approved: Sherri Smith

<b>Course Code: Title</b>	MTH121: ALGEBRA						
<b>Program Number: Name</b>	:						
<b>Department:</b>	MATHEMATICS						
<b>Semester/Term:</b>	18W						
<b>Course Description:</b>	In this introductory algebra course students will learn concepts and skills leading to applications. For those planning to enter programs that require technical math, this course establishes a solid foundation. This course is also well suited to those who are entering fields of study where math is not a required component of the curriculum but a working knowledge of algebra is expected. Topics of study include: polynomials, factoring, graphing, solving linear equations and systems, exponents and radicals, and quadratic equations.						
<b>Total Credits:</b>	5						
<b>Hours/Week:</b>	5						
<b>Total Hours:</b>	75						
<b>Course Evaluation:</b>	Passing Grade: 50%, D						
<b>Evaluation Process and Grading System:</b>	<table><tr><th>Evaluation Type</th><th>Evaluation Weight</th></tr><tr><td>Assignments</td><td>20%</td></tr><tr><td>Tests (6)</td><td>80%</td></tr></table>	Evaluation Type	Evaluation Weight	Assignments	20%	Tests (6)	80%
Evaluation Type	Evaluation Weight						
Assignments	20%						
Tests (6)	80%						
<b>Course Outcomes and Learning Objectives:</b>	<p><b>Course Outcome 1.</b></p> <p>Use basic algebraic concepts to solve linear equations.</p> <p><b>Learning Objectives 1.</b></p> <p><b>Course Outcome 2.</b></p> <p>Use factoring techniques to solve fractional linear equations.</p>						



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### **Learning Objectives 2.**

### **Course Outcome 3.**

Graph linear equations and inequalities using a variety of techniques.

### **Learning Objectives 3.**

### **Course Outcome 4.**

Solve systems of linear equations using by graphical and algebraic methods.

### **Learning Objectives 4.**

### **Course Outcome 5.**

Solve quadratic equations using a variety of techniques.

### **Learning Objectives 5.**

**Date:**

Thursday, August 31, 2017

Please refer to the course outline addendum on the Learning Management System for further information.