

FLATHEAD VALLEY COMMUNITY COLLEGE

COURSE PROFILE

Revision
 New Course
 Pilot Course
 Deletion

Division: Math/Science Department: Math Submission Date: 3/4/2019

Proposed Effective Date: SU 2019

Rubric: M Number: 090 Course Title: Introductory Algebra

CCN (New courses only): Does this course currently exist in the MUS CCN system? Yes No

1. Course Information:

*Check box to indicate **revision***

	Current	Proposed	
<input type="checkbox"/> Rubric	<u>M</u>	_____	
<input type="checkbox"/> Course Number	<u>090</u>	_____	
<input type="checkbox"/> General Education Requirements	_____	_____	
Special/Lab Fees*			
<input checked="" type="checkbox"/> Face-to-face	<u>\$50</u>	<u>\$11</u>	
<input type="checkbox"/> Online	_____	_____	
<input type="checkbox"/> Semester Lecture Hours (15:1)	<u>60</u>	_____	<u>4</u> Semester credits (lecture)
<input type="checkbox"/> Semester Lab Hours (30:1)	_____	_____	Semester credits (lab)
<input type="checkbox"/> Semester Clinical Hours (45:1)	_____	_____	Semester credits (clinical)
			<u>4</u> Total Semester Credits
<input type="checkbox"/> Catalog Description			
<input type="checkbox"/> Course Learning Outcomes			
<input type="checkbox"/> Pre/Co Requisites:	_____		
<input type="checkbox"/> Semester Offered:	_____		
<input type="checkbox"/> Related Instruction:	_____		
<input type="checkbox"/> Other:	_____		

*Lab Fee Rationale: course notebook – printing & binder costs

Grade of "SA" or "C" or better in
M065, appropriate placement

Prerequisites: score, or Math Department consent **Corequisites:** none

May repeat 0 **times for maximum of** 4 **credits.**

Suggested maximum enrollment: 20

2. Approvals:

Jim Boger (Division Chair)

Curriculum Committee Action: Approved Disapproved

Chris Clouse (Vice President)

Date: 3/18/19

EFFECTIVE DATE: Fall 2019

3. Catalog Description:

This course provides an introduction to algebra. The course covers the topics of solving & graphing linear equations, solving systems of linear equations, introductory polynomials and factoring, basic function notation, and graphing & solving basic quadratics. Graphical and algebraic approaches to solving equations and application problems will be used throughout the course.

Offered:

<input checked="" type="checkbox"/> Fall	<input checked="" type="checkbox"/> Every	<input type="checkbox"/> Even	<input type="checkbox"/> Odd	Year(s)	Other: _____
<input checked="" type="checkbox"/> Spring	<input checked="" type="checkbox"/> Every	<input type="checkbox"/> Even	<input type="checkbox"/> Odd	Year(s)	Other: _____
<input checked="" type="checkbox"/> Summer	<input checked="" type="checkbox"/> Every	<input type="checkbox"/> Even	<input type="checkbox"/> Odd	Year(s)	Other: _____
<input type="checkbox"/> Intermittently	<input type="checkbox"/> Every	<input type="checkbox"/> Even	<input type="checkbox"/> Odd	Year(s)	Other: _____

4. Proposed for General Education requirement: Yes (check appropriate boxes) No

AA or AS Degree:

<input type="checkbox"/> Social Science – Grp:	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> Mathematics	<input type="checkbox"/> M	<input type="checkbox"/> Q
<input type="checkbox"/> Writing	<input type="checkbox"/> Natural Science – Grp:	<input type="checkbox"/> NL	<input type="checkbox"/> N	<input type="checkbox"/> L	<input type="checkbox"/> Global/Multicultural/Diversity
<input type="checkbox"/> Humanities	<input type="checkbox"/> Communications	<input type="checkbox"/> Fine Arts (<i>AA Degree ONLY</i>)			

Proposed for Related Instruction requirement: Yes (check appropriate boxes) No

AAS Degree:

<input type="checkbox"/> Communications – Grp:	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> Interactions
--	----------------------------	----------------------------	---------------------------------------

Quantitative Literacy

5. Is this course REQUIRED for an FVCC Occupational Program? Yes No

If yes, name of program: _____

Does this course REPLACE another course? Yes No

Name of course being replaced: _____

6. Course Learning Outcomes:

Upon successful completion of this course, the student should be able to:

- Understand and apply quantitative concepts and reasoning using numerical data.
- Perform arithmetic operations with real numbers.
- Simplify and solve linear and quadratic expressions.
- Set up and solve application problems using ratios and proportions.
- Solve systems of equations with two variables.
- Graph linear and quadratic equations.
- Recognize and determine equations of lines.
- Understand multiplication of polynomials and polynomial factorizations.