West Los Angeles College
SLO Addendum

Course Name and Number   MATH 127

Course Title   BASIC INTERMEDIATE ALGEBRA I

Math Division Program SLOs

1. Apply quantitative thinking processes using basic mathematical operations (addition, subtraction, multiplication, division) to solve common academic, workplace, and family problems. (Theme: Quantitative thinking; mathematical operations)

2. Analyze and interpret spatial and graphic data (schedules, maps, and tables, graphs) to plan and organize daily routines. (Theme: spatial and graphic data).

3. Use mathematical tools essential for analyzing quantitative problems and for producing solutions. (Theme: mathematical tools)

4. Apply advanced mathematical concepts and tools (algebra, calculus) essential in upper division academic work and/or workplace tasks. (Theme: advanced mathematical operations—algebra, calculus)

5. Select appropriate math strategies for solving and handling real life problems involving finance, economics, and family issues. (Theme: mathematical problem-solving)

Course SLO	Assessment Method	Criterion Level
One sentence that describes a major piece of knowledge, skill, or ability that students can demonstrate by the end of the course *Finish the sentence, "At end of the course, the successful student will be able to… "*	Major assignment, project or test used to demonstrate or apply outcome *Remember to have a mix of qualitative and quantitative assessment methods.*	Reflects satisfactory performance on the SLO • *At least X percent of students achieve this course SLO.* • *All students achieve at least the Y level on this SLO.* • *At least X percent of students achieve the Y level on this course SLO.*
1. Solve using appropriate techniques: linear equations; equations involving rational expressions or absolute value; equations involving factorable polynomials; and systems of two or three linear equations	Students will answer questions embedded on a multiple-choice assessment tool that can be administered as part of a final exam or an in-class exercise. A scantron scanner will be used to access the results for each of the relevant questions.	Each multiple-choice question will be answered correctly by at least 50% of students. At least 75 % of students will answer correctly at least 75% of questions on this sub-scale
2. Graph and analyze linear, polynomial and rational functions using algebraic techniques; graph solution sets of linear and non-linear inequalities in one and two variables	Students will answer questions embedded on a multiple-choice assessment tool that can be administered as part of a final exam or an in-class exercise. A scantron scanner will be used to access the results for each of the relevant questions.	Each multiple-choice question will be answered correctly by at least 40% of students. At least 60 % of students will answer correctly at least 60% of questions on this sub-scale
3. Analyze, model, and solve applications ("story" problems) within the scope of the above	Students will answer questions embedded on a multiple-choice assessment tool that can be administered as part of a final exam or an in-class exercise. A scantron scanner will be used to access the results for each of the relevant questions. Students will answer a set of "constructed response" questions either embedded in an in-class test(s) or administered separately as an in-class exercise	Each multiple-choice question will be answered correctly by at least 40% of students. At least 50 % of students will answer correctly at least 60% of questions on this sub-scale At least 30% of students will score at least 70% on the constructed-response exercise
4.		

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Mapping to Program SLO and Institutional SLOs

Please indicate with an "X" in the appropriate boxes below, the Course SLO mapping to the corresponding Program and Institutional SLO(s).

Course SLO	Program SLO												Institutional SLO								
	1	2	3	4	5	6	7	8	9	10	11	12	A	B	C	D	E	F	G	H	I
#1	X		X	X									X		X					X	
#2	X	X	X										X		X			X		X	
#3	X		X		X								X	X	X					X	
#4																					

Course SLO Acknowledgements

Draft created by Bonnie Blustein

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Division Chair   Date
Matt Robertson

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SLO Coordinator   Date
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Dean   Date
Judith-Ann Friedman

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Curriculum Committee Chair   Date
Judy Chow

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Academic Senate President   Date
Adrienne Foster

_____   _____
VP of Academic Affairs (initial) and College President   Date