West Los Angeles College
SLO Addendum

Course Name and Number MATH 128

Course Title BASIC INTERMEDIATE ALGEBRA II

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 **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… "***	**Assessment Method** **Major assignment, project or test used to demonstrate or apply outcome** ***Remember to have a mix of qualitative and quantitative assessment methods.***	**Criterion Level** **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. Select and use appropriate algebraic techniques to solve a wide variety of equations and systems of equations	Students will answer questions embedded on a multiple-choice final exam. A scantron scanner will be used to access the results for each of the relevant questions.	Each question will be answered correctly by 50 % of students. At least 40 % of students will answer correctly at least 70% of the questions on this sub-scale.
2. Analyze, model, and solve "story" problems (applications), including those involving variation	Students will answer questions embedded on a multiple-choice final exam. A scantron scanner will be used to access the results for each of the relevant questions.	Each question will be answered correctly by 40 % of students. At least 30 % of students will answer correctly at least 60% of the questions on this sub-scale.
3. Construct and analyze graphs of functions, inequalities, and conic sections	Students will answer questions embedded on a multiple-choice final exam. A scantron scanner will be used to access the results for each of the relevant questions.	Each question will be answered correctly by 50 % of students. At least 40 % of students will answer correctly at least 70% of the questions on this sub-scale.

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		x	
#2	x		x		x								x	x	x					x	
#3	x	x	x										x		x					x	
#4																					

Course SLO Acknowledgements

Draft prepared by Bonnie Blustein

Division Chair
Matt Robertson — Date

SLO Coordinator
Todd Matosic — Date

Dean
Judith-Ann Friedman — Date

Curriculum Committee Chair
Judy Chow — Date

Academic Senate President
Adrienne Foster — Date

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