COURSE SLO ASSESSMENT 4-YEAR TIMELINE

Unit Name	Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
El Camino: Course SLOs (MATH) - Math (GE and Non-Science Majors)	2013-14 (Spring 2014)	ECC: MATH 120	Nature of Mathematics	SLO #3 Analyze Voting System	Analyze voting systems, methods of apportionment and representation to further the understanding of the political process.
	2013-14 (Spring 2014)	ECC: MATH 130	College Algebra	SLO #3 Solve Problems Using Sequences and Series	Solve problems using sequences and series.
	2013-14 (Spring 2014)	ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #3 Use of Geometrical Approach	Solve linear programming problems using the geometrical approach.
	2013-14 (Spring 2014)	ECC: MATH 150	Elementary Statistics with Probability	SLO #3 Central Limit Theorem	Use the Central Limit Theorem to compute probabilities concerning the distribution of the sample means and comparing these to the probabilities of the related random variable.
	2014-15 (Spring 2015)	ECC: MATH 120	Nature of Mathematics	SLO #4 Solve Application Problems	Solve application problems using basic counting principles, permutations, combinations, probability, expected value and frequency distribution.
	2014-15 (Spring 2015)	ECC: MATH 130	College Algebra	SLO #4 Solve Application Problems	Solve college algebra level application problems and use technology.
	2014-15 (Spring 2015)	ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #4 Use of Finite Mathematics Techniques	Solve application problems using finite mathematics techniques.
	2014-15 (Spring 2015)	ECC: MATH 150	Elementary Statistics with Probability	SLO #4 Confidence Intervals and Hypothesis Testing	Compute the confidence intervals and conduct hypothesis testing for a variety of parameters, and perform non-parametric hypothesis testing.
	2015-16 (Spring 2016)	ECC: MATH 120	Nature of Mathematics	SLO #1 Solve Loan Problems	Apply techniques of simple and compound interest to solve loan and annuity problems.
	2015-16 (Spring 2016)	ECC: MATH 130	College Algebra	SLO #1 Solve Nonlinear Inequalities	Solve nonlinear inequalities and a variety of equations such as: polynomial, rational, radical, exponential, and logarithmic.
	2015-16 (Spring 2016)	ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #1 Use of Gauss-Jordan	Use the Gauss-Jordan technique to solve systems of linear equations.
	2015-16 (Spring 2016)	ECC: MATH 150	Elementary Statistics with Probability	SLO #1 Computing and Interpreting Various Measures	From data or bivariate data, compute statistics and develop displays of the data that illustrate the measures of central tendency, variation, relative position, and correlation. Interpret the displays in context.
	2015-16 (Spring 2016)	ECC: Math 165	Calculus for Business and Social Sciences	SLO #1 Compute and Interpret Derivatives	Determine limits, classify types of continuity of functions, use derivatives to find increments, rates of change and tangent lines, and compute first and second derivatives of functions including partial derivatives.
	2016-17 (Spring 2017)	ECC: MATH 120	Nature of Mathematics	SLO #2 Solve Application Problems Using Graphical Methods	Solve application problems using graphical methods such as: 3-ring Venn diagrams, truth tables, Euclidean, Riemannian and Lobachevskian geometries.

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	2016-17 (Spring 2017)	ECC: MATH 130	College Algebra	SLO #2 Solve Problems using Graphical Methods	Solve problems using graphical methods involving a variety of functions, such as: polynomial, rational, radical, exponential, and logarithmic.
	2016-17 (Spring 2017)	ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #2 Use of Matrices	Solve problems using matrices.
	2016-17 (Spring 2017)	ECC: MATH 150	Elementary Statistics with Probability	SLO #2 Probability	Compute probability of an event by applying the basic assumption in classical probability and using addition rule and multiplication rule for contingency tables.
	2016-17 (Spring 2017)	ECC: Math 165	Calculus for Business and Social Sciences	SLO #2 Compute and Interpret Integrals	Evaluate integrals and improper integrals using a variety of methods, including substitution and by parts.
	2017-18 (Spring 2018)	ECC: MATH 120	Nature of Mathematics	SLO #4 Solve Application Problems	Solve application problems using basic counting principles, permutations, combinations, probability, expected value and frequency distribution.
	2017-18 (Spring 2018)	ECC: MATH 130	College Algebra	SLO #4 Solve Application Problems	Solve college algebra level application problems and use technology.
	2017-18 (Spring 2018)	ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #4 Use of Finite Mathematics Techniques	Solve application problems using finite mathematics techniques.
	2017-18 (Spring 2018)	ECC: MATH 150	Elementary Statistics with Probability	SLO #4 Confidence Intervals and Hypothesis Testing	Compute the confidence intervals and conduct hypothesis testing for a variety of parameters, and perform non-parametric hypothesis testing.
	2017-18 (Spring 2018)	ECC: Math 165	Calculus for Business and Social Sciences	SLO #4 Solve Application Problems Using Calculus	Use single-variable and multi-variable calculus methods to solve application problems in business and economics, including marginal revenue, marginal profit and marginal cost.
	2018-19 (Spring 2019)	ECC: MATH 120	Nature of Mathematics	SLO #1 Solve Loan Problems	Apply techniques of simple and compound interest to solve loan and annuity problems.
	2018-19 (Spring 2019)	ECC: MATH 130	College Algebra	SLO #1 Solve Nonlinear Inequalities	Solve nonlinear inequalities and a variety of equations such as: polynomial, rational, radical, exponential, and logarithmic.
	2018-19 (Spring 2019)	ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #1 Use of Gauss-Jordan	Use the Gauss-Jordan technique to solve systems of linear equations.
	2018-19 (Spring 2019)	ECC: MATH 150	Elementary Statistics with Probability	SLO #1 Computing and Interpreting Various Measures	From data or bivariate data, compute statistics and develop displays of the data that illustrate the measures of central tendency, variation, relative position, and correlation. Interpret the displays in context.
	2018-19 (Spring 2019)	ECC: Math 165	Calculus for Business and Social Sciences	SLO #1 Compute and Interpret Derivatives	Determine limits, classify types of continuity of functions, use derivatives to find increments, rates of change and tangent lines, and compute first and second derivatives of functions including partial derivatives.
	2019-20 (Spring 2020)	ECC: MATH 120	Nature of Mathematics	SLO #3 Analyze Voting System	Analyze voting systems, methods of apportionment and representation to further the understanding of the political process.

Unit Name	Course SLO Assessment Cycle	Course ID	Course Name	Course SLO Title	Course SLO Statement
	2019-20 (Spring 2020)	ECC: MATH 130	College Algebra	SLO #3 Solve Problems Using Sequences and Series	Solve problems using sequences and series.
	2019-20 (Spring 2020)	ECC: MATH 150	Elementary Statistics with Probability	SLO #3 Central Limit Theorem	Use the Central Limit Theorem to compute probabilities concerning the distribution of the sample means and comparing these to the probabilities of the related random variable.
	2019-20 (Spring 2020)	ECC: Math 165	Calculus for Business and Social Sciences	SLO #2 Compute and Interpret Integrals	Evaluate integrals and improper integrals using a variety of methods, including substitution and by parts.
	2020-21 (Spring 2021)	ECC: Math 165	Calculus for Business and Social Sciences	SLO #3 Sketch Graphs of Functions	Identify the intercepts, asymptotes, relative extrema, inflection points, and concavity, and use this information to sketch graphs of functions.