COURSE SLO STATEMENTS REPORT

ECC - MATH (GE AND NON-SCIENCE MAJORS)

Course ID	Course Name	Course SLO Title	Course SLO Statement	Course SLO Status	Input Date
ECC: MATH 120	Nature of Mathematics	SLO #1 Solve Loan Problems	Apply techniques of simple and compound interest to solve loan and annuity problems.	Active	11/21/2013
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.	Active	11/21/2013
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.	Active	11/21/2013
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.	Active	11/21/2013
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.	Active	11/21/2013
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.	Active	11/21/2013
ECC: MATH 130	College Algebra	SLO #3 Solve Problems Using Sequences and Series	Solve problems using sequences and series.	Active	11/09/2015
ECC: MATH 130	College Algebra	SLO #4 Solve Application Problems	Solve college algebra level application problems and use technology.	Active	11/21/2013
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.	Active	11/21/2013
ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #2 Use of Matrices	Solve problems using matrices.	Active	11/21/2013
ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #3 Use of Geometrical Approach	Solve linear programming problems using the geometrical approach.	Active	11/21/2013
ECC: MATH 140	Finite Mathematics for Business and Social Sciences	SLO #4 Use of Finite Mathematics Techniques	Solve application problems using finite mathematics techniques.	Active	11/21/2013
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.	Active	11/21/2013
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.	Active	12/12/2013
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.	Active	05/01/2014
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.	Active	11/21/2013
ECC: MATH 160 (INACTIVE)	Calculus I for Biological, Management and Social	SLO #01 Determine and Interpret Limits	Determine limits, classify types of continuity of functions, and determine first and second derivatives of functions.	Inactive	11/21/2013

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ECC: MATH 160 (INACTIVE)	Sciences (INACTIVE)	SLO #01 Determine and Interpret Limits	Determine limits, classify types of continuity of functions, and determine first and second derivatives of functions.	Inactive	11/21/2013
ECC: MATH 160 (INACTIVE)	Calculus I for Biological, Management and Social Sciences (INACTIVE)	SLO #02 Sketch graphs of functions	Identify the intercepts, relative extrema, inflection points, and concavity, and use this information to sketch graphs of functions.	Inactive	11/21/2013
ECC: MATH 160 (INACTIVE)	Calculus I for Biological, Management and Social Sciences (INACTIVE)	SLO #03 Area Problems	Solve area problems using integral calculus.	Inactive	11/21/2013
ECC: MATH 160 (INACTIVE)	Calculus I for Biological, Management and Social Sciences (INACTIVE)	SLO #04 Using Calculus, Solve Application Problems	Solve calculus-level application problems and use technology.	Inactive	11/21/2013
ECC: MATH 161 (INACTIVE)	Calculus II for Biological, Management and Social Sciences (INACTIVE)	SLO #01 Compute and Interpret Integrals	Find integrals using a variety of methods, including: substitution, parts, and partial fractions.	Inactive	11/21/2013
ECC: MATH 161 (INACTIVE)	Calculus II for Biological, Management and Social Sciences (INACTIVE)	SLO #02 Compute and Interpret Derivatives	Compute and interpret partial derivatives and apply these skills to application problems.	Inactive	11/21/2013
ECC: MATH 161 (INACTIVE)	Calculus II for Biological, Management and Social Sciences (INACTIVE)	SLO #03 Convergence and Divergence of Series	Determine convergence and divergence of infinite series.	Inactive	11/21/2013
ECC: MATH 161 (INACTIVE)	Calculus II for Biological, Management and Social Sciences (INACTIVE)	SLO #04 Solve Application Problems Using Calculus	Use single-variable and double-variable calculus methods to solve application problems from relevant disciplines, including economics.	Inactive	11/21/2013
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.	Active	11/09/2015
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.	Active	11/09/2015
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.	Active	11/09/2015
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.	Active	11/09/2015