COURSE SLO STATEMENTS REPORT

ECC - DEVELOPMENTAL MATH

Course ID	Course Name	Course SLO Title	Course SLO Statement	Course SLO Status	Input Date
ECC: MATH 12	Basic Arithmetic Skills	SLO #1 Application Problems	Students will be able to recognize addition, subtraction, multiplication, division, exponentiation, factoring and order of operations in a given context (word problem, data, diagram, etc.) involving non-negative real numbers to write corresponding mathematical expressions and solve authentic, real-world application problems.	Active	11/20/2013
ECC: MATH 12	Basic Arithmetic Skills	SLO #2 Solving Equations and Manipulating Expressions	Students will be able to use numerical and symbolic representations to correctly perform operations (addition, subtraction, multiplication, division, exponentiation, factoring, and order of operations) on non-negative real numbers to simplify expressions.	Active	11/20/2013
ECC: MATH 12	Basic Arithmetic Skills	SLO #3 Visual and Graphical Methods	A student completing Pre-Collegiate mathematics will use visual and graphical methods to represent and analyze information and to solve problems using non negative real numbers, including demonstrating correct ordering of values and testing reasonableness of solutions.	Active	11/20/2013
ECC: MATH 12	Basic Arithmetic Skills	SLO #4 Articulating Mathematical Reasoning	A student completing Pre collegiate mathematics will verbally articulate (orally or in written form) the mathematical reasoning they used to solve a problem or analyze a situation.	Active	11/20/2013
ECC: MATH 23	Pre-Algebra	SLO #1 Application Problems	Students will recognize the underlying mathematical concepts in order to successfully evaluate expressions and formulas in a given context (word problems, data, diagrams, etc.) and apply those concepts correctly in authentic, real-world application problems.	Active	11/20/2013
ECC: MATH 23	Pre-Algebra	SLO #2 Solving Equations and Manipulating Expressions	Students will use numerical and symbolic representations of mathematical ideas to simplify linear expressions and solve linear equations.	Active	11/20/2013
ECC: MATH 23	Pre-Algebra	SLO #3 Visual and Graphical Methods	Students will be able to use visual or graphical methods to solve linear equations and problems involving geometry and measurement.	Active	01/21/2014
ECC: MATH 23	Pre-Algebra	SLO #4 Articulating Mathematical Reasoning	Students will verbally articulate (orally or in written form) the mathematical reasoning they used to solve a numeric or linear problem or analyze a numeric or linear situation.	Active	11/20/2013
ECC: MATH 37	Basic Accelerated Mathematics	SLO #1 Application Problems	A student will be able to recognize the underlying mathematical concepts, with an emphasis on linear relations, in a given context (word problems, data, diagrams, etc.) and apply those concepts correctly.	Active	02/26/2015
ECC: MATH 37	Basic Accelerated Mathematics	SLO #2 Solving Equations and Manipulating Expressions	A student will be able to demonstrate the ability to identify and correctly implement techniques to symbolically solve equations, with an emphasis on linear equations, and manipulate expressions.	Active	02/26/2015
ECC: MATH 37	Basic Accelerated Mathematics	SLO #3 Visual and Graphical Methods	A student will be able to use visual and graphical methods to represent and analyze information and to solve problems, with an emphasis on linear graphs.	Active	02/26/2015
ECC: MATH 37	Basic Accelerated Mathematics	SLO #4 Articulating Mathematical Reasoning	A student will be able to articulate orally or in written form the mathematical reasoning they used to solve a problem or analyze a	Active	02/26/2015

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ECC: MATH 37	Basic Accelerated Mathematics	SLO #4 Articulating Mathematical Reasoning	situation.	Active	02/26/2015
ECC: MATH 40	Elementary Algebra	SLO #1 Application Problems	Students will be able to recognize linear and quadratic equations in a given context, and use mathematical reasoning and problem solving skills to solve authentic, real world application problems.	Active	11/20/2013
ECC: MATH 40	Elementary Algebra	SLO #2 Solving Equations and Manipulating Expressions	Students will be able to use numerical and symbolic representations of mathematical ideas to simplify or solve linear, quadratic, rational, and radical expressions or equations.	Active	11/20/2013
ECC: MATH 40	Elementary Algebra	SLO #3 Visual and Graphical Methods	Students will be able to use graphical methods to represent linear and quadratic relations as well as systems of linear relations and to find solutions to linear and quadratic equations, as well as solve systems of linear equations.	Active	11/20/2013
ECC: MATH 40	Elementary Algebra	SLO #4 Articulating Mathematical Reasoning	Students will be able to articulate the mathematical reasoning used in a variety of problems, orally or in writing.	Active	11/20/2013
ECC: MATH 60	Elementary Geometry	SLO #1 Application Problems	Students will be able to define geometric terms, polygons, and shapes and apply characteristics of the shapes to solve geometric problems.	Active	11/20/2013
ECC: MATH 60	Elementary Geometry	SLO #2 Solving Equations and Manipulating Expressions	Students will be able to calculate perimeter, area, surface area and volume for various 2D and 3D geometric shapes.	Active	11/20/2013
ECC: MATH 60	Elementary Geometry	SLO #3 Visual and Graphical Methods	Students will be able to construct geometric shapes using the compass and straightedge.	Active	11/20/2013
ECC: MATH 60	Elementary Geometry	SLO #4 Articulating Mathematical Reasoning	Students will be able to prove geometric conjectures and theorems using deductive logic.	Active	11/20/2013
ECC: MATH 67	General Education Algebra	SLO #1 Application Problems	Students will be able to recognize and apply appropriate mathematical concepts and models involving a variety of functions to contextualized problems involving authentic, real-world data.	Active	11/20/2013
ECC: MATH 67	General Education Algebra	SLO #2 Solving Equations and Manipulating Expressions	Students will be able to symbolically (algebraically) solve a variety of equations, inequalities and linear systems and manipulate symbolic (algebraic) expressions that arise in contextualized problems using authentic, real-world data.	Active	11/20/2013
ECC: MATH 67	General Education Algebra	SLO #3 Visual and Graphical Methods	Students will use visual and graphical methods to represent, analyze and solve contextualized problems involving authentic, real-world data.	Active	11/20/2013
ECC: MATH 67	General Education Algebra	SLO #4 Articulating Mathematical Reasoning	Students will be able to articulate the mathematical reasoning used in solving a variety of contextualized problems using authentic, real-world data, orally or in writing.	Active	11/20/2013
ECC: MATH 73	Intermediate Algebra for General Education	SLO #1 Application Problems	Students will be able to recognize and apply appropriate mathematical concepts and models involving a variety of functions to contextualized problems (authentic, real-world applications).	Active	11/20/2013
ECC: MATH 73	Intermediate Algebra for General Education	SLO #2 Solving Equations and Manipulating Expressions	Students will be able to symbolically (algebraically) solve a variety of equations, inequalities and linear systems and manipulate symbolic (algebraic) expressions that arise in contextualized problems.	Active	11/20/2013
ECC: MATH 73	Intermediate Algebra for General	SLO #3 Visual and Graphical Methods	Students will use visual and graphical methods to represent, analyze and	Active	11/20/2013

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ECC: MATH 73	Education	SLO #3 Visual and Graphical Methods	solve contextualized problems.	Active	11/20/2013
ECC: MATH 73	Intermediate Algebra for General Education	SLO #4 Articulating Mathematical Reasoning	Students will be able to articulate the mathematical reasoning used in solving a variety of contextualized problems, both orally and in writing.	Active	11/20/2013
ECC: MATH 80	Intermediate Algebra for Science, Technology, Engineering, and Mathematics	SLO #1 Application Problems	Students will be able to solve application problems involving linear, quadratic, polynomial, rational, radical, exponential and logarithmic functions.	Active	11/20/2013
ECC: MATH 80	Intermediate Algebra for Science, Technology, Engineering, and Mathematics	SLO #2 Solving Equations and Manipulating Expressions	Students will be able to evaluate numerical operations and manipulate algebraic expressions involving rational and negative exponents, radicals, complex numbers, exponents and logarithms and be able to solve linear, quadratic, polynomial, rational, radical, absolute value, exponential and logarithmic equations and inequalities.	Active	11/20/2013
ECC: MATH 80	Intermediate Algebra for Science, Technology, Engineering, and Mathematics	SLO #3 Visual and Graphical Methods	Students will be able to use visual and graphical methods to represent, analyze and solve problem involving linear, quadratic, polynomial, rational, absolute value, radical, exponential, logarithmic functions, conic sections, linear and nonlinear systems of equations. Students will also be able to solve such functions and equations using graphical methods.	Active	11/20/2013
ECC: MATH 80	Intermediate Algebra for Science, Technology, Engineering, and Mathematics	SLO #4 Articulating Mathematical Reasoning	Students will be able to explain verbally, both orally or in writing, and the mathematical reasoning used in an application problem involving linear, quadratic, polynomial, rational, radical, absolute value, exponential and logarithmic equations and inequalities.	Active	11/20/2013