

Courses with their CSLOs

Course ID	CSLO Name	CSLO
MATHV01	CSLO-1	Formulate strategies to simplify and solve elementary algebraic equations and apply information to elementary word problems.
	CSLO-2	Identify linear equations and inequalities in two variables and organize information in order to analyze and create graphs of linear equations and inequalities.
MATHV02	ISLO-2	Scientific/Quantitative Reasoning
	CSLO-1	Use deductive reasoning to prove theorems.
	CSLO-2	Algebraically solve geometric problems.
MATHV03	CSLO-3	Use a compass and straightedge to create geometric constructions.
	ISLO-2	Scientific/Quantitative Reasoning
	CSLO-1	Students will identify and organize algebraic information in order to analyze, graph, interpret, or evaluate it using mathematical skills.
MATHV04	CSLO-2	Students will identify algebraic problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical arguments.
	ISLO-2	Scientific/Quantitative Reasoning
	CSLO-1	Students will analyze and investigate the behavior and properties of polynomial, rational, radical, logarithmic, and exponential functions using algebra and other mathematical skills, using the analysis to graph them, and synthesize results from the form of the equations of the functions and/or from the graphs.
MATHV05	CSLO-1a	Students will analyze the behavior of polynomial, rational, logarithmic and exponential functions using algebra and other mathematical skills and use the analysis to graph them.
	CSLO-2	Students will identify algebraic problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical support, including creating and solving linear, absolute value, polynomial, and other types of equations; solving nonlinear systems of equations and inequalities; interpreting graphs; and evaluating sequences and series.
	CSLO-3	Students will apply functions and other algebraic techniques to model real-world applications.
MATHV10	ISLO-2	Scientific/Quantitative Reasoning
	CSLO-1	Students will identify and organize trigonometric information in order to analyze, graph, interpret, or evaluate it using mathematical skills.
MATHV11A	CSLO-2	Students will identify trigonometric problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical support.
	ISLO-2	Quantitative/Reasoning Skills
	CSLO-1	Demonstrate understanding of the concepts of constants, variables, like terms, and polynomials.
07/06/2016 3:26	CSLO-2	Formulate strategies to solve linear algebraic equations and apply information to solve elementary word problems.
	ISLO-2	Scientific/Quantitative Reasoning

Course ID	CSLO Name	CSLO
	CSLO-2	equations and inequalities.
	ISLO-2	Reasoning- Scientific and Quantitative
MATHV11B	CSLO-1	Formulate strategies to simplify and solve elementary algebraic equations and apply information to elementary word problems.
	ISLO-2	Reasoning- Scientific and Quantitative
MATHV12	CSLO-1	Students will identify and organize algebraic information in order to analyze, graph, interpret, or evaluate it using mathematical skills.
	CSLO-2	Students will identify algebraic problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical arguments.
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical thinking and problem solving
MATHV13A	CSLO-1	Students will identify and organize algebraic information in order to analyze, graph, interpret, or evaluate it using mathematical skills.
	CSLO-2	Students will identify algebraic problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical arguments.
	ISLO-2	Reasoning- Scientific and Quantitative
MATHV13B	CSLO-1	Students will identify and organize algebraic information in order to analyze, graph, interpret, or evaluate it using mathematical skills.
	CSLO-2	Students will identify algebraic problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical arguments.
	ISLO-2	Reasoning- Scientific and Quantitative
MATHV20	CSLO-1	Students will analyze the behavior of polynomial, rational, logarithmic, exponential and trigonometric functions using algebra and other mathematical skills and use the analysis to graph them.
	CSLO-2	Students will identify trigonometric and algebraic problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical support, including creating and solving equations, systems of equations, interpreting graphs and evaluating sequences and series.
	ISLO-2	Scientific/Quantitative Reasoning
MATHV21A	CSLO-1	Evaluate limits, derivatives, and simple integrals of functions of one variable.
	CSLO-2	Analyze the behavior of functions using calculus, and use the analyses to graph them and to solve application problems.
	ISLO-2	Scientific/Quantitative Reasoning
MATHV21B	CSLO-1	Students will locate, identify, collect, and organize data in order to analyze, interpret, or evaluate it using mathematical skills and/or the scientific method.
	CSLO-2	Students will examine problems from one or more approaches, and come to conclusions that are supported by well-reasoned evidence.
	ISLO-2	Scientific/Quantitative Reasoning
MATHV21C	CSLO-1	Evaluate vector quantities, and graph and analyze multi-variable functions.
	CSLO-2	Evaluate derivatives of multi-variable functions and solve application problems.
	CSLO-3	Evaluate integrals of multi-variable functions and solve application problems.
	ISLO-2	Scientific/Quantitative Reasoning

Course ID	CSLO Name	CSLO
MATHV22	CSLO-1	Solve systems of equations and analyze their solution spaces.
	CSLO-2	Perform matrix analyses of systems of equations.
MATHV23	ISLO-2	Reasoning- Scientific and Quantitative
	CSLO-1	Solve ordinary differential equations.
	CSLO-2	Evaluate transforms.
MATHV35	ISLO-3	Critical Thinking and Problem Solving
	CSLO-1	Students will identify and organize algebraic and health care information in order to analyze, graph, interpret, or evaluate it using mathematical skills.
	CSLO-2	Students will identify algebraic and health care problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned mathematical arguments.
	CSLO-3	Students will formulate strategies to locate, evaluate, and apply health care information from a variety of sources in a variety of formats such as print and/or electronic.
MATHV38	ISLO-2	Reasoning- Scientific and Quantitative
	CSLO-1	Students will locate, identify, collect, and organize data in order to analyze, interpret, or evaluate it using mathematical skills.
	CSLO-2	Students will recognize and identify the components of problems and issues related to teaching mathematics, examine those issues from multiple perspectives and investigate ways to resolve them.
	CSLO-3	Students will formulate strategies to locate, evaluate, and apply information, related to the teaching of mathematics, from a variety of sources in a variety of formats such as print and/or electronic.
	ISLO-2	Reasoning- Scientific and Quantitative
MATHV40	CSLO-1	Students will locate, identify, collect, and organize data in order to analyze, interpret, or evaluate it using mathematical skills and/or the scientific method.
	CSLO-2	Students will examine problems from one or more approaches, and come to conclusions that are supported by well-reasoned evidence.
	ISLO-2	Reasoning- Scientific and Quantitative
MATHV44	CSLO-1	Students will locate, identify, collect, and organize data in order to analyze, interpret, or evaluate it using mathematical skills and/or the scientific method.
	CSLO-2	Students will identify statistical problems, examine them from one or more approaches, and come to conclusions that are supported by well-reasoned evidence.
	CSLO-3	Students will locate, evaluate and apply statistical data from print and/or electronic sources.
	ISLO-2	Scientific/Quantitative Reasoning
MATHV46	CSLO-1	Students will use calculus techniques, such as differentiation and integration, and analyze, evaluate, and interpret applied calculus problems.
	CSLO-2	Students will recognize and identify the components of applied calculus problems, examine them from multiple perspectives, and investigate the ways to solve them using reasoned and supportable conclusions while differentiating between mathematical facts and assumptions.
	ISLO-2	Reasoning- Scientific and Quantitative