

Curriculum Mapping

School Illini Bluffs High School School Year 2009-2010

Teacher _____ Email Address _____

Course Calculus Grade Level 12 Page _____

Month	ILS	Content	Skills	Assessments	Resources
August	8B5	Lines Functions and graphs	Students will review: Slope of a line Equations of lines Inequalities and absolute value Describe behavior of functions	Class discussion Boardwork Quizzes Tests	Texts Graphing calculator Scientific calculator Computer-generated worksheets
September	8B5 8C5 8D5	Exponential functions Inverse functions Trigonometric functions	Students will review: Equations of circles Inverse of linear and exponential functions Cofunctions	Class discussion Boardwork Quizzes Tests	Texts Graphing calculator Scientific calculator Computer-generated worksheets
October	8B5	Rates of change and limits Limits involving infinity Continuity Definition of derivative	Use the definition and theorems to find the limit of a function Describe continuous and discontinuous functions Find limits involving infinity Use the limit definition to find the derivative of a function	Class discussion Boardwork Quizzes Tests	Texts Graphing calculator Scientific calculator Computer-generated worksheets
November	9C5a 9B5b	Rates of change and tangent lines Derivative of a function Differentiability Velocity and other rates of change Rules for differentiation	Find average rates of change Use numerical derivatives Find derivative of a constant Use product and quotient rules Study velocity applications Use the chain rule	Class discussion Boardwork Quizzes Tests	Texts Graphing calculator Scientific calculator Computer-generated worksheets