

Merrimack School District
Essential Learning Competencies

School	MHS
Discipline	Math
Course Title	Calculus

Quarter 1

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Functions	CCSS Functions	Classwork, Homework, Quizzes, Discussions	Limits Test
Limits			Limits Test
Product and Quotient Rules	CCSS Algebra		Derivatives Test
Chain Rule			Derivatives Test

Quarter 2

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Related Rates	CCSS Functions	Classwork, Homework, Quizzes, Discussions	Unit 3 Test
Critical Points			Unit 3 Test
First Derivative Test	CCSS Algebra		Unit 3 Test
Second Derivative Test			Unit 3 Test

Quarter 3

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Velocity and Acceleration	CCSS Functions	Classwork, Homework, Quizzes, Discussions	Velocity and Acceleration Test
Trigonometric Integrals			CCSS Algebra
Trigonometric Derivatives	Trigonometric Derivatives Test		
Integrals	Integrals Test		

Quarter 4

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Derivatives ln and e	CCSS Functions	Classwork, Homework, Quizzes, Discussions	Test ln and e
Integrals ln and e			CCSS Algebra
Area under curves	Test Area and volume		
Area and volume	Test Area and volume		