ESSEX COUNTY COLLEGE
Course Outline
STUDENT LEARNING OUTCOMES (SLO) ASSESSMENT SUMMARY SHEET

COURSE PREFIX & NUMBER: MTH 127 **COURSE TITLE**: Basic Calculus

CREDIT HOURS: 4.0 **CONTACT HOURS**: 4.0 **NAME OF PERSON COMPLETING THIS FORM**: Susan Gaulden

TYPE OF COURSE: (Check **all** that apply.)

☐ Developmental ☒ Not required for any program (not a major or additional requirement)/Other

☐ AA program major requirement ☐ AS program major requirement ☐ AAS program major requirement

☐ AA program additional requirement ☐ AS program additional requirement ☐ AAS program additional requirement

☒ General Education affirmed course – if so, indicate the foundation category/ies the course is affirmed as addressing:

- ☐ Written and Oral Communication
- ☒ Quantitative Knowledge and Skills
- ☐ Scientific Knowledge and Reasoning
- ☐ Technological Competency/Information Literacy
- ☐ Society and Human Behavior
- ☐ Humanistic Perspective
- ☐ Historical Perspective
- ☐ Global and Cultural Awareness of Diversity
- ☐ Ethics

STUDENT LEARNING OUTCOMES (SLOS):

	Detailed Goal (SLO)	Assessment Method	Introduction (I) or Mastery (M) of SLO
Course Goals	Demonstrate knowledge of the fundamental concepts and theories from pre-calculus, calculus, and introductory ordinary-differential equations.	Blueprinting questions on tests and exams Surveying student perception of content/skill mastery	N/A
	Utilize various pre-calculus, calculus, and introductory differential equation problem-solving and critical-thinking techniques to set up and solve applied problems in finance, economics, geometry, sciences, and other fields.	Blueprinting questions on tests and exams Surveying student perception of content/skill mastery	
	Communicate accurate mathematical terminology and notation in written and/or oral form in order to explain strategies to solve problems as well as to interpret found solutions.		
	Use graphing calculators effectively as a tool to solve such problems as those described above.		
Program Goals* (if course is a major requirement)	N/A	N/A	N/A
Gen Ed Goals* (if course is a Gen Ed course)	**Quantitative Knowledge and Skills**: Students will use appropriate mathematical and statistical concepts and operations to interpret data and to solve problems.		M

***** addressed by **THIS** specific course