

Academic Assessment Report - AY 2013-2014

College, School/Department, Name of Program: NJCSTM Engineering Science

Program SLOs:

(List Program SLOs)

SLO 1: (Applied Knowledge) Graduates will possess comprehensive theoretical and practical knowledge of engineering science and design principles necessary for admission into graduate study in engineering. (KU 1, KU2, KU3, KU4) (GE S3, S5, V5)

SLO 2: (Holistic Knowledge) Graduates will possess the ability to integrate mathematical modeling and computational tools to solve problems in a variety of engineering fields, and know the origins and importance of engineering in society. (KU 1, KU2, KU3, KU4) (GE S3, S5, V2, V4)

SLO 3: (Critical Thinking) Graduates will be able to combine critical thinking skills and practical knowledge to design, perform, and analyze engineering problems both as an individual and as effective and productive project team members. (KU1) (GE S3, S4)

SLO 4: (Communication) Graduates will be able to verbally express themselves and communicate scientific comprehension and knowledge in both formal oral presentations and in written format clearly, concisely and accurately. (GE S1, S2, S3, V4)

Program Level Student Learning Outcomes <i>(Add rows for additional SLOs)</i>	Assessment Measure(s) <i>(Add rows if necessary)</i>	Assessment Criteria <i>(Describe how data is collected--rubric, survey, etc.)</i>	Results of Assessment <i>(Specific to Data Collected)</i>	Action Taken <i>(Closing the Loop: New action or follow up from last Assessment Report)</i>
SLO #1 (Applied Knowledge)	Direct Measure 1:	STME 1603:Lab Practicum SWR (Scored With Rubric)		
	Direct Measure 2:	STME 3610: Poster Presentation		
	Direct Measure 3:	STME 4610: Oral Presentation SWR		
	Indirect Measure:	Graduating Student Survey		
SLO #2 (Holistic Knowledge)	Direct Measure 1:	STME 1603:Lab Practicum SWR		
	Direct Measure 2:	STME 3610: Poster Presentation SWR		
	Direct Measure 3:	STME 4610: Oral Presentation SWR		
	Indirect Measure:	Graduating Student Survey		
SLO #3 (Critical Thinking)	Direct Measure 1:	STME 1603:Lab Practicum SWR		
	Direct Measure 2:	STME 3610: Poster Presentation SWR		

	Direct Measure 3:	STME 4610: Oral Presentation SWR		
	Indirect Measure:	Graduating Student Survey		
SLO #4 (Communication)	Direct Measure 1:	STME 1603:Lab Practicum SWR		
	Direct Measure 2:	GE 2024: Paper + presentation SWR		
	Direct Measure 3:	STME 3610: Poster Presentation SWR		
	Direct Measure 4:	STME 4610: Oral Presentation SWR		
	Indirect Measure:	Graduating Student Survey		