

Academic Assessment Report - AY 2013-2014

College, School/Department, Name of Program: NJCSTM Molecular Biology

Program SLOs:

(List Program SLOs)

SLO1: (Applied Knowledge) Graduates will be strong candidates who may continue their education by pursuing doctoral degrees in related fields of study or otherwise seek career employment in the sciences. (KU 1, KU 2, KU 3, KU 4) (GE V5)

SLO2: (Holistic Knowledge) Graduates will be versatile and resourceful scientist-researchers who can adjust to this ever-changing field because of their comprehensive, integrated knowledge of applied mathematics, chemistry/physics and biology, and of the origins of biotechnology in biology and chemistry as well as its importance in society. (KU 1, KU 2, KU 3, KU 4) (GE K1, S3, S4, S5, V2, V4)

SLO3: (Critical Thinking) Graduates will be able to combine critical thinking skills, analytical knowledge and practical laboratory skills to design, perform, and analyze scientific problems both as an individual and as effective and productive project team members. (KU 1, KU 3, KU 4) (GE K1, S3, S4, S5)

SLO4: (Ethics) Graduates will have adequate knowledge of the bioethical standards of the science profession and be able to exercise ethical awareness. (KU 1, KU 3) (GE K1, S4, V2)

SLO5: (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. (KU 1, KU 3) (GE S1, S2, S3, S4, S5, 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 4610 GRE general score		
	Direct Measure 2:	STME 4610 Presentation SWR (Scored With Rubric)		
	Direct Measure 3:	STME 5140 Lab Practical SWR		
	Direct Measure 4:	STME 5410-15 Paper and oral presentation SWR		
	Indirect Measure:	Graduating Student Survey		
SLO #2 (Holistic Knowledge)	Direct Measure 1:	STME 1603 Lab Practical SWR		
	Direct Measure 2:	STME 3610 Poster SWR		
	Direct Measure 3:	STME 4610 Presentation SWR		
	Direct Measure 4:	STME 5410-15 Paper SWR		
	Indirect Measure:	Graduating Student Survey		

SLO #3 (Critical Thinking)	Direct Measure 1:	STME 1603 Lab Practical SWR		
	Direct Measure 2:	STME 3610 Poster SWR		
	Direct Measure 3:	STME 4610 Presentation SWR		
	Direct Measure 4:	STME 5140 Lab Practical SWR		
	Direct Measure 5:	STME 5410-15 Paper and presentation SWR		
	Indirect Measure:	Graduating Student Survey		
SLO #4 (Ethics)	Direct Measure 1:	GE 2024 Paper and presentation SWR		
	Direct Measure 2:	STME 5020 Certificate of completion of NIH training course on human participants in research		
	Indirect Measure:	Graduating Student Survey		
SLO #5 (Communication)	Direct Measure 1:	GE 2024 Paper and presentation SWR		
	Direct Measure 2:	STME 3610 Poster SWR		

Direct Measure 3:	STME 4610 Presentation SWR		
Direct Measure 4:	STME 5410-15 Paper and presentation SWR		
Indirect Measure:	Graduating Student Survey		