

## Program Assessment Plan for Applied Mathematics

**Program Mission** To provide the students with the competency to employ quantitative reasoning to make informed judgments in a real-life situation and to utilize logical and critical thinking to make contributions to the society by advancing knowledge in light of mathematical reasoning.

**Curriculum** The curriculum provides more than one opportunity for students to meet the Program Learning Objectives

**Key Courses And Assignments** an in-house exit examination to be administered to all graduating seniors

### Program Learning Outcomes to be Assessed

PLO	1).Demonstrate college-level knowledge in foundational mathematics	ILOs to which the PLOs map	1,3
Year:	Year 2 AY 2015-16		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors)		
What tools are necessary to collect evidence? (Rubrics, Portfolio, Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors).		

### Program Learning Outcomes to be Assessed

PLO	2).Demonstrate college-level knowledge in applied mathematics	ILOs to which the PLOs map	1,3
Year:	Year 2 AY 2015-16		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors)		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors).		

### Program Learning Outcomes to be Assessed

PLO	3).Construct models to solve real-world problems	ILOs to which the PLOs map	1
Year:	Year 2 AY 2015-16		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors)		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors).		

### Program Learning Outcomes to be Assessed

PLO	4).Use computing tools in modeling or problem solving	ILOs to which the PLOs map	1
Year:	Year 3 AY 2016-17		
Is the evidence Direct or Indirect	To be determined.		
Where in the program does the evidence reside?	To be determined.		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	To be determined.		
Benchmarks	To be determined.		
ListOfSources	To be determined.		

### Program Learning Outcomes to be Assessed

PLO	5).Demonstrate competence in analytical and critical reasoning	ILOs to which the PLOs map	1
Year:	Year 2 AY 2015-16		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors)		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade an in-house exit examination to be administered to all graduating seniors (as soon as we have graduating seniors).		

**Program Learning Outcomes to be Assessed**

PLO	6).Read, write, and communicate mathematics effectively	ILOs to which the PLOs map	1,3
Year:	Year 3 AY 2016-17		
Is the evidence Direct or Indirect	To be determined.		
Where in the program does the evidence reside?	To be determined.		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	To be determined.		
Benchmarks	To be determined.		
ListOfSources	To be determined.		

**Program Learning Outcomes to be Assessed**

PLO	7).Demonstrate college-level knowledge in fields related to mathematics	ILOs to which the PLOs map	1,3
Year:	Year 3 AY 2016-17		
Is the evidence Direct or Indirect	To be determined.		
Where in the program does the evidence reside?	To be determined.		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	To be determined.		
Benchmarks	To be determined.		
ListOfSources	To be determined.		