

Program Assessment Plan
 American University
 Academic Program: CAS: Mathematics - MA

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Unit's Primary Department: Mathematics/Statistics

Learning Outcome: Definitions/Big Theorems - Algebra

Students will be able to apply precise knowledge of definitions and big theorems from Modern Algebra.

Outcome Year: 2010-2011

Start Date: 12/06/2010

Outcome Status: Active Learning Outcome

Assessment Plan			
Assessment Measure	Target	Schedule/Cycle	Active
Direct Measure: Relevant questions from comprehensive exam offered Fall 2010 and Spring 2011 will be rated on a scale: proficient-satisfactory-needs more work. Measure Type: Quiz/ Exam	We expect all of them to be rated satisfactory or better.	The data will be collected in May 2011 and reviewed by members of the mathematics faculty. A report will be issued on the progress at the beginning of Fall 2011.	Yes
Indirect Measure: Focus group meeting with students by faculty members who did not have the students in those classes. This measure will no longer be pursued. Measure Type: Focus Group	No target identified.	To be conducted in mid-April.	No

Learning Outcome: Definitions/Big Theorems - Analysis

Students will be able to apply the precise knowledge of definitions and big theorems from Analysis.

Outcome Year: 2010-2011

Start Date: 12/06/2010

Outcome Status: Active Learning Outcome

Assessment Plan			
Assessment Measure	Target	Schedule/Cycle	Active
Direct Measure: Relevant questions from comprehensive exam offered Fall 2010 and Spring 2011 will be rated on a scale: proficient-satisfactory-needs more work. Measure Type: Quiz/ Exam	We expect all of them to be rated satisfactory or better.	The data will be collected in May 2011 and reviewed by members of the mathematics faculty. A report will be issued on the progress at the beginning of Fall 2011.	Yes
Indirect Measure: Focus group meeting with students by faculty members who did not have the students in those classes. This measure will no longer be pursued. Measure Type: Focus Group	No target identified.	To be conducted in mid-April.	No

Learning Outcome: Presentations

Students will demonstrate ability to understand, organize, develop and present advanced mathematics in a clear, logical and purposeful way.

Outcome Year: 2011-2012

Outcome Status: Active Learning Outcome

Assessment Plan

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Assessment Measure	Target	Schedule/Cycle	Active
Direct measure: Master's Presentations will be rated by a committee of faculty members in many categories such as Purpose and Topic, Content, Presentation, Overall on a scale: exemplary-proficient-satisfactory-needs more work. Measure Type: Presentation	We expect all of our MA students to get an overall rating of Proficient or better.	Given that we graduate 2-3 students every year, we will use data from the next two years so as to have a sufficient information to draw some conclusions and determine a course of action. Analysis of this data will take place in summer 2013 and will be reported in Fall 2013.	Yes