

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

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**Contact Person for** Artur Elezi

**Assessment:**

**Unit's Primary Department:** Mathematics/Statistics

**COLA Reader -1:** Teresa Larkin

**COLA Reader -2:** Kathy McAdams

**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 exams will be rated on a scale: proficient-satisfactory-needs more work. <b>Measure Type:</b> Quiz/ Exam	We expect all of them to be rated satisfactory or better.	The data will be collected each May and reviewed by members of the mathematics faculty. A report will be issued on the progress at the beginning of the following Fall.	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. <b>Measure Type:</b> 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 exams will be rated on a scale: proficient-satisfactory-needs more work. <b>Measure Type:</b> Quiz/ Exam	We expect all of them to be rated satisfactory or better.	The data will be collected in May and reviewed by members of the mathematics faculty. A report will be issued on the progress at the beginning of the following Fall.	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. <b>Measure Type:</b> 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

<b>Assessment Plan</b>			
<b>Assessment Measure</b>	<b>Target</b>	<b>Schedule/Cycle</b>	<b>Active</b>
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. <b>Measure Type:</b> 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