



AMERICAN UNIVERSITY  
WASHINGTON, D.C.

## **Statistics (B.S.)**

## **Statistics (M.S.)**

Department Website: <http://www.american.edu/cas/mathstat/BS-STAT.cfm>

### **1. Learning Outcomes**

Using a required written project, statistics majors were assessed for their ability to give a statistical report with the following dimensions: Students will be able to provide a:

1. concise and clear description of a statistical problem.
2. description of the method used for analysis, including a discussion of advantages, disadvantages and necessary assumptions.
3. discussion of results of the statistical analysis.
4. the conclusion of the study including a discussion of limitations of analysis.
5. derivation for mathematical statistics problems (graduate students only).

2. Assessment Plan

Measures	Target	Learning Outcomes	Cycle and Reviewers <sup>1</sup>
<p>For B.S. Degree: 1. Written Project from 3xx to 5xx level statistics courses in Spring 2011.</p> <p>For M.S. Degree 1. Comprehensive exam with particular attention to the theoretical components 2. Project presentation from the students who plan to graduate in Spring/Summer 2011.</p>	<p>We expect all students to meet the above outcomes.</p>	<p>For B.S. Degree: Objectives 1 through 4</p> <p>For M.S. Degree Objective 1 through 5</p>	<p>For B.S. Degree: The project report will be collected every spring and reviewed by all of the statistics faculty in May</p> <p>For M.S. Degree: The graduate students' project presentations and their comprehensive exams will be evaluated by the statistics faculty.</p> <p>The report will go to the assessment representative and to the chair.</p>