Annual Assessment Findings
Department of Mathematics
B.A. and B.S. degree programs in Mathematics
AY 2010-11

Key Assessment Findings

In each student's senior year, we test his or her cumulative accomplishment in mathematics by a lengthy series of exams comprising the Comprehensive Exam. There are four one-week problem-solving tasks scheduled in the fall of the student's senior year. Then there is a two-hour written exam in the spring of the senior year which tests the student's capability with upper-level material in four subject areas: linear algebra, abstract algebra, real analysis and a fourth area selected in advance by the student.

There were four seniors in 2010-11. In 2010-11, all four students passed the comprehensive exam.

Individual student's achievement of the program's goals is also evidenced in his or her performance on written final exams in courses.

The following table shows the course grade results for the four students who graduated in 2011. These courses were taken by them during their sophomore, junior and senior years.

	B+ or higher	C+ to B	C and C-	below C-
Math 305	2	2	0	0
Math 501	4	0	0	0
Math 505	0	1	3	0
Math 506	0	3	1	0
Math 521	2	1	0	0

Note: One graduate took Math 521 at a different university.

Each student's grades in these five courses indicate his or her accomplishment with regard to the goals of the program: (1) Specific content knowledge; (2) The ability to think conceptually and in generality in mathematics; (3) The ability to read, understand and create logical deductions in mathematics, and to understand and write rigorous mathematical proofs; (4) The ability to solve mathematical problems.

The letter grades are in accord with CUA's interpretation of "A" (excellent), "B" (good), "C" (satisfactory), "D" (lowest passing), "F" (failing).

Curricular changes during 2010-11
Math 524 (Complex Variables) was added as a requirement in all mathematics degree programs.