

Assessment Reports Electronic Template*

Rosemont College --Undergraduate

I. General information:

Date of Report: 10 May 2012

Semesters or Academic Years Covered: 2011-12

Division: Science and Professional Studies

Department: Mathematics

Chair or Person Preparing the Report: Richard M. Huey, chair

II. Departmental Profile: [Discipline]

Number of Majors: 1

Number of Faculty: 1 *full time*
 3 *part time*

Courses Offered in the Assessment Period:

Elementary Algebra

College Algebra

Trigonometry

Calculus I

Calculus II

History of mathematics

Factors that Affect Assessment: A Math Major has not been offered at Rosemont College for the past five years. We have had one or two graduates in those years and have one this years. The major is being re-activated for the 2012-13 academic years and there are, at the moment, 10 students registered as math majors. A full complement of math courses are being added to the course offerings for the coming academic year,.

III. Assessment results

A. Learning Outcomes for Majors: The Assessment Plan (Goals, Objectives and Outcomes) that apply to each course become part of the syllabus for that course.

B. Assessment of Majors: The primary assessment measure is merely test results with emphasis on the modeling (reading) problems which have “real world” applications.

The discipline faculty discuss the skill sets needed to facilitate subsequent math courses and where weaknesses exist. Discussions are also held with faculty in other disciplines to determine the skill sets needed in those courses.

- C. Changes Based on Assessment: Elementary Algebra, which has met one day a week, is being replaced with Introductory Algebra, which will meet three days a week (but remain a one credit course).

Formula manipulation, measurement and units of measurement, and metric system have been emphasized at the request of the Chemistry and Biology Disciplines. College Algebra has been added as a prerequisite for Business Statistics.

Real world applications (modeling) is emphasized in each course above Elementary Algebra.

- D. Recommendations for Improving the Assessment Process: With the re-activation of the Math Major, additional assessment tools will be instituted.

General Eisenhower said: “That which is not evaluated, deteriorates.”

*This template is adapted from *Assessment Clear and Simple, A Practical Guide for Institutions, Departments and General Education* by Barbara E. Walvoord, 2004, John Wiley and Sons, Inc.