Revised 3/11/2002

Major Field Assessment Plan
B.S. Mathematics

The mission of Southeastern Louisiana University is to meet the education and cultural needs, primarily of Southeast Louisiana, to disseminate knowledge and to facilitate life-long learning through quality instruction, research and service in a safe, student-centered environment.

The purpose of the B.S. in Mathematics is to prepare students for graduate study in Mathematics and in other fields that require considerable mathematical knowledge and/or to train mathematicians for employment in industry.

Goal 1

To provide students with knowledge in the field of mathematics.

A. Expected Outcome

Students completing the undergraduate program in mathematics will compare very favorably on a national basis with other seniors graduating in mathematics.

Graduates will be able to demonstrate problem-solving and modeling skills in areas such as algebra, linear algebra, calculus, logic, geometry, set theory, and statistics.

Assessment

Eighty percent of the graduates in the mathematics program will score above the 40th percentile on the ETS mathematics field assessment.

B. Expected Outcome

Graduates will respond very favorably to the mathematics curriculum and overall learning environment.

Assessment

a. Ninety percent of the graduates in the mathematics program will be satisfied with their mathematics instruction, as indicated on the SLU Exit Survey.

b. One hundred percent of the graduates will feel comfortable asking for letters of recommendation from at least three professors in the Mathematics Department as evidenced by the SLU Exit Survey.

Goal 2

To foster an appreciation for mathematics.

Expected Outcome

Students completing the undergraduate program in mathematics will demonstrate awareness of the diverse nature of mathematics as a body of knowledge and the importance of participation in professional societies in the field of mathematics.

Assessment

Eighty percent of the graduates from the mathematics program will feel they were given opportunities and support for attending professional mathematics meetings while a student at SLU.

Goal 3

To prepare students for career-based employment and/or graduate study.

Expected Outcome

One year after graduation, the majority of graduates will have career-based employment or will be in graduate school.

Assessment

At least sixty percent of the graduates of the mathematics program will have career employment or will be enrolled in graduate school as evidenced by the SLU Mathematics Post Exit Survey.

Note

Mathematics majors receive a multicultural global perspective through their foreign language requirement and the option of taking the history of mathematics course.

Revised 3/11/2002

GOAL ATTAINMENT FRAMEWORK

B.S., Mathematics
Department of Mathematics

Academic Year 2002-03

March 11, 2002

Expected Outcome	Much Less than Expected	Less than Expected	Expected	More than Expected	Much More than Expected
% of graduates scoring above the 40th percentile on the ETS Major Field Achievement Test in Mathematics			80%		
% of graduates satisfied with their mathematics instruction, as indicated on the SLU Exit Survey			90%		
% of graduates who feel comfortable asking for letters of recommendation from at least three professors in the Mathematics Department as evidenced by the SLU Exit Survey.			100%		
% of graduates who feel they were given opportunities and support for attending professional mathematics meetings while a student at SLU as evidenced by the SLU Exit Survey			80%		
% of graduates who have career employment or will be enrolled in graduate school as evidence by the SLU Mathematics Post Exit Survey			60%		