

07/08/93

**Summary of Assessment  
for 1992 - 1993**

**A. Method of Assessment**

1. Major Field: ETS Exam for Major Field Assessment in Mathematics.
2. Proficiency in Mathematics: Pass College Algebra with a "D" or better. All sections give a departmental final exam.

**B. Results Obtained**

1. Major Field Assessment: We had three students take the ETS Exam for Major Field Assessment in the spring semester of 1993. They performed at a level consistent with their performance in the mathematics courses they took in their degree programs.
2. Proficiency in Mathematics: Each student at Southeastern Louisiana University must demonstrate proficiency in Mathematics. A student that passes the Mathematics 161 College Algebra with a "D" or better satisfies this requirement. All sections of this course give a departmental final exam. Detailed syllabi with suggested problems are also used. The Mathematics 161 Challenge Committee of the Department of Mathematics is responsible for the syllabus with suggested problems, a Bonus Plan for each semester, the departmental exam for the Fall and Spring semesters each year. Performance on each problem as well as overall performance is included in the analysis. Each teacher receives the analysis of his/her sections.

**C. Changes in the Program:**

Several of our faculty have attended conferences and seminars that have brought about changes in our department. In the summer of 1993 three (3) members of our faculty attended the Faculty Development seminar. They gave their reports to the department in the Fall semester of 1993. The problem solving approach to teaching is now being given attention by the department.

Three (3) other members of the department attended the Harvard Calculus conference in the Summer of 1993. Others attended Technology conferences and calculator seminars. We are now stressing calculus reform in the department as well as the use of technology in the classroom. We have computers in our computer lab to enable our faculty to use this facility for enhancement and instruction in their classes. Tutorial programs are available for the algebra classes as well as software such as Derive, for the calculus classes. We also have statistical software.

Several of our faculty are on the Mathematics Initiatives Committee and its subcommittees for the university. Coordination of the Developmental Mathematics, Intermediate Algebra, and College Algebra is being considered by this group. Revised syllabi for the Developmental mathematics began in the summer of 1994 with revisions for Intermediate Algebra and College Algebra to be implemented in subsequent semesters.

**D. Planned Changes**

1. Major Field Assessment: The Assessment Committee will determine how we may get the Mathematics Education Majors to take the ETS Exam for Major Field Assessment in Mathematics without disrupting the schedules of those doing student teaching.

The department is now involved with determining how we may insure competency in oral communications by our students. Opinions of the faculty are under consideration.

2. Proficiency in Mathematics: Attention is being given to possibly having a coordinator for Freshman Mathematics. This individual would be concerned with student retention, content, testing, and assessment.