

2004-2005 Assessment Report
Department of Mathematics
Assessment Plan: Academic Outcome

<u>Expanded Statement of Institutional Purpose:</u>	<u>Program Intended Educational Outcomes:</u>	<u>Means of Program Assessment and Criteria for Success:</u>	<u>Summary of Data Collected:</u>	<u>Use of Result:</u>
<p><u>Mission Statement:</u> Serve future mathematicians, scientists, business strategists and engineers. Serve future teachers of mathematics and computer science students as well as those pursuing studies in the arts and humanities</p> <p><u>Goals statement:</u> Prepare our majors for successful careers after graduation.</p> <p>Prepare our mathematics education majors with both the mathematical knowledge and the teaching skills necessary for successful teaching careers in secondary schools.</p> <p>Prepare our majors for successful admission into graduate schools</p> <p>Offer the mathematical</p>	<p>Graduates will:</p> <ul style="list-style-type: none"> ■ be able to perform complex tasks; discern patterns; undertake intellectually demanding mathematical reasoning; and reason rigorously in mathematical arguments. ■ possess an understanding of the breadth of the mathematical sciences and their deep interconnecting principles; substantial knowledge of a discipline that makes significant use of mathematics ■ be able to apply mathematics to a broad spectrum of complex problems and issues; formulate and solve problems; undertake some real-world mathematical modeling project. ■ be able to read, write, listen, and 	<p>1. Assessment measures include exams, homework and quizzes; course projects; undergraduate research.</p> <p>2. Global assessment measures include Exit exam, acceptance to graduate schools.</p> <p>3. Majors will</p>	<p>1a. Courses accomplished their objectives. Grades were reviewed and found promising with high median GPA. 1b. Five projects were carried out by students successfully.</p> <p>2a. 71% of math education major completed their teacher certification requirements. The remaining will have completion in summer semester. 2b. Exit Exam scores for this year graduates found to be in acceptable percentile</p> <p>2c. Among the respondents of Exit Survey those planning for graduate school strongly agree or agree that they are well prepared.</p> <p>3. All majors met</p>	<p>1a. Courses assessed by faculty. More assessments are scheduled.</p> <p>1b. Faculty will encourage students to be more involved in projects and undergraduate research.</p> <p>2a. Objectives met. No action required at this time.</p> <p>2b. No action required.</p> <p>2c. More involvement of faculty in the process.</p> <p>3. Faculty</p>

<p>instruction that is needed and requested by the major departments we serve</p>	<p>speak mathematically.</p>	<p>achieve a grade C or better</p> <p>4. Students seeking admission into graduate schools will be well prepared in their field.</p> <p>5. Graduates will be familiar with the use of computer for mathematics.</p> <p>6. Graduates will rate the education they received from this department.</p>	<p>grade requirements</p> <p>4. All majors who applied to graduate schools were admitted.</p> <p>5a. All respondents of Exit Survey agreed that computer experience was appropriate in their majors.</p> <p>6. All respondents of Exit Survey rated their program as excellent or good.</p>	<p>evaluation showed that most courses objectives were met.</p> <p>4. No action planned.</p> <p>5a. All statistics classes will be lab based. 5b. More computer applications were integrated in other classes.</p> <p>6. More extensive surveys needed in the future.</p>
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