

**Department of Mathematics
Assessment Plan
Academic year 2006-2007**

<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. The math department is committed to providing excellent quality education and create the best learning environment for the success of students</p> <p><u>Goals statement:</u> Prepare our majors for successful careers after graduation. Prepare our mathematics education majors with both the mathematical knowledge and the teaching skills necessary for</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 real-world mathematical modeling project. ■ be able to read, write, listen, and speak 	<ol style="list-style-type: none"> 1. Assessment measures include exams, homework and quizzes; course projects; undergraduate research. 2. Global assessment measures include Exit exam, acceptance to graduate schools. 3. Majors will achieve a grade C or better 4. Students seeking admission into graduate schools will be well prepared in their field. 5. Graduates will be familiar with the use of computer for mathematics. 6. Graduates will rate the education they received from this department. Annual Student Exit Survey. 7. Enrollment in mathematics classes will be 		

<p>successful teaching careers in secondary schools.</p> <p>Prepare our majors for successful admission into graduate schools</p> <p>Offer excellent mathematical instruction that is needed and requested by the major departments we serve.</p> <p>Promote and support scholarly activities by faculty.</p> <p>Improve the recruitment and retention rates.</p> <p>Assess online courses.</p>	<p>mathematically.</p> <ul style="list-style-type: none"> ■ be able to carry out team work in scientifically diverse environment and be open to other areas of knowledge. ■ Ability to communicate. ■ Strengthen the department scientific reputation. ■ Program growth. ■ Increase the outreach of the program. 	<p>assessed.</p> <p>8. Feedback from students and alumni.</p> <p>9. Visits to other institutions and students mentoring.</p> <p>10. Informal overview of the results of the online courses.</p>		
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