

## **2007-2008 Annual Program Review Report Curriculum and Instruction – Mathematics**

**Name of Program: Curriculum and Evaluation with Mathematics Specialization**

**List of Annual Program Reviewers: Dr. Mary Lou Witherspoon, Dr. Andrew Wilson, Dr. Jackie Vogel, Dr. Ann Assad**

### **I. Assessment of Candidate**

We have had only one student complete the program since it was changed—Ms. Richelle Lott. She easily passed all her milestone assessments. She is currently teaching at a local high school and attended the state mathematics teaching conference this year.

### **II. Assessment of Program Operations**

We have had only one student complete the program since it was changed. Her feedback from the follow-up survey indicated that she felt very well prepared in seven areas:

- understanding of connections among mathematical ideas and their applications in other disciplines
- pedagogical knowledge to make curricular decisions
- how to select, adapt, and create engaging instructional materials
- integration of assessment of instruction to promote learning
- design and selection of a appropriate formal and informal assessments
- how to draw on educational research to improve teaching practice
- collaboration to facilitate learning

She felt prepared in the other four areas assessed:

- focusing instruction on developing students' mathematical power: creating situations for students to investigate mathematics, use mathematical models, formulate their own problems
- use of current technologies to promote student learning
- helping students develop self-assessment skills
- reflection on teaching and learning

Further, she gave the overall program the highest rating, of 3.

This semester there are seven students enrolled one of the new courses that is part of the Masters in Curriculum and Instruction with Mathematics Specialization. Another of the new courses will come on-line in Summer 2008.

Dr. Ann Assad is exploring grant options to support a cohort through this program.

Although the degree is currently focused on elementary and middle school mathematics, the Mathematics Department is in the process of revamping three course that would be appropriate

for secondary mathematics teachers seeking this degree. Dr. Nell Rayburn plans to offer the first of these courses this summer.

### **III. Assessment System**

We need to be sure that all candidates for this degree have a committee chair in the Mathematics Department. This would improve communication and evaluation of their progress.

We need to have a means for keeping in touch with those who complete this degree to gather follow-up data about how it could be improved.

The exit survey should have a section that is explicit to mathematics education.