

**FACULTY EVALUATION CRITIQUE 2011**  
 Department of Mathematics and Science Education  
 James W. Wilson

|  | Instruction | Research | Service | Administration |
|--|-------------|----------|---------|----------------|
| Budgeted EFT for 2011                    | 0.375       | 0.375    | 0       | 0              |
| Proposed EFT for 2012-2013 academic year | 0.375       | 0.375    | 0       | 0              |

**INSTRUCTION:** Dr. Wilson taught 5 courses and a doctoral seminar and supervised a number of independent research and directed reading enrollments for graduate students in 2011. Course evaluation means ranged from 3.7-4.7 in the technology courses and 3.7 to 4.4 in the problem solving courses. Student comments show that they appreciated Dr. Wilson's availability, including nights and weekends, for questions and discussion. They found the use of technology, the challenging nature of the mathematics, and the group work to be elements of the courses that stimulated their own mathematical thinking and their thinking about teaching. Dr. Wilson created a new final project for the problem solving course and revised the web site and problem sets for the technology courses. Dr. Wilson advised 6 master's degree students, served as major professor for 9 PhD students, and served on the committees of a number of other doctoral students. Dr. Wilson meets the department's expectations for instruction.

**RESEARCH:** Dr. Wilson served as one of three principal investigators for the \$10 million Center for Proficiency in Teaching Mathematics and as a co-PI on an NSF grant with Pennsylvania State University to develop Mathematical Situations to describe Mathematical Knowledge for Teaching from the perspective of classroom practices. He has been actively involved in mentoring doctoral students who are working on various aspects of these two projects. In 2011 the Situations Project put together the materials for two books dealing with the Mathematical Knowledge for Teaching. A publisher has been located and material is being prepared for submission. Faculty members at over a dozen sites are using materials from the Situations Project and providing feedback on the ways they are using it. The Project InterMath web site continues to receive hundreds of hits each week. Dr. Wilson has added 3 new investigations to his web site, which is used widely by mathematicians, mathematics educators, and classroom teachers worldwide. He also gave a presentation at an NCTM regional conference. Dr. Wilson's performance in research meets departmental expectations.

**SERVICE:** All faculty members are expected to provide service to the department, college, university, and profession. Dr. Wilson is a member of the Deans' Council on Diversity and served on a search committee in the Mathematics Department. Dr. Wilson also chaired the McCay Award selection committee in the Department of Mathematics. He serves as a member of the advisory board for an NSF-funded project at the University of Texas-San Marcos. Dr. Wilson's service activities meet departmental expectations.

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Signed: Denise A. Spangler                      2-26-12  
 Department Head                                      Date

Signed: James W. Wilson                      26 Feb 2012  
 Faculty Member                                      Date

Copy to:     Dean's Office, Department, Faculty Member