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Building the Capacity of a Department of Mathematics to Engage in the Scholarship of Teaching and Learning.

During the 2005-06 academic year, the Department of Mathematics at the University of Wisconsin-Eau Claire, supported by a grant from the UW System, undertook three separate projects involving the scholarship of teaching and learning. One project sought an improved understanding of how to facilitate students' transition to abstract mathematics; a second project studied the implementation of cooperative learning methods in lower division classes; and a third project studied the implementation of a particular instructional technology across the curriculum and its effect on student learning. Two of the participants will report on the outcomes of these projects and the benefits of such an experience. (Received July 24, 2007)