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**James M Sobota\*** ([sobota@math.uwlax.edu](mailto:sobota@math.uwlax.edu)), James M. Sobota, dept of Mathematics, Univ Wis - LaCrosse, La Crosse, WI 54601. *Development of e-tutorials for Remedial Mathematics Courses.*

The need for remediation in entry-level mathematics courses is a problem we all must deal with. Faculty from three UW System Universities have received a grant to help solve these problems. We have a grant from the University of Wisconsin System to write a set of web based tutorials (e-Tutor). Incoming students who score low on the UW System Mathematics Placement Tests must take a remedial course. Among those students who are non-remedial based on their Placement scores, most students have most of the prerequisite skills necessary to be successful; often they are lacking a subset of skills. These students may need help on a few isolated topics. The e-Tutor was developed to help both remedial and lower level non-remedial students master missing or weak skills. A list of e-Tutor objectives was chosen based on the UW System Mathematics Placement Test objectives. From these objectives a set of e-Tutorials was written. We use MatLab to do the mathematics . Each tutorial consists of some brief introductory text and examples then some interactive exercise sets (somewhat randomly generated) with a place for answers. Correct answers are recognized, wrong answers are noted, mistakes pointed out and the students directed to the appropriate place for help. (Received September 13, 2000)