

1046-C1-1146 **Joyati Debnath*** (JDebnath@winona.edu), 301 Gildmeister Hall, Mathematics and Statistics,
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College Algebra and Pre-Calculus.*

This talk will address several issues related to College Algebra and Pre-Calculus courses at Winona State University and how and what different changes are made to ensure the success of students' conceptual learning. Course offerings are changed, content/syllabus revised and faculty discussions promoted among several sections to ensure consistency. Emphasis is put more on conceptual understanding via real world problems and mathematical modeling instead of dry drills on algebraic manipulations as done in traditional courses. Observations made that the students seem to connect more easily to mathematical concepts when attached to real world applications. (Received September 14, 2008)