

1046-S1-1147      **Joyati Debnath\*** (JDebnath@winona.edu), 301 Gildemeister Hall, Mathematics and Statistics,  
Winona State University, Winona, MN 55987. *Deepening Mathematical Concepts through  
Presentations and Writing Research Findings.*

This presentation will discuss how a new course on Mathematical Thinking for the mathematics majors was established. In this course, students are encouraged and constantly challenged to read and present their understanding to the class. Students were either given or allowed to choose an advanced topic of their interest to do research. The class time is used for conversation and serious mathematical discussion. Students report their findings and attempt to integrate their thoughts in a way that they have never done before. Classroom environment allowed students to reflect on their presentations. Students are also required to write a research article. (Received September 14, 2008)