1046-Z1-1688   **Stephen D Szydlik*** (`szydliks@uwosh.edu`), Mathematics Department, University of Wisconsin-Oshkosh, 800 Algoma Blvd., Oshkosh, WI 54901-8631. *A Moment of Truth: Teaching an Honors Seminar Course.*

Truth, even in mathematics, can be a notoriously difficult concept to pin down. While the structure and logic of pure mathematics provides us with a measure of certainty unavailable to other disciplines, issues of incompleteness (see the work of Gödel) and the nature of proof (e.g. see Lakatos' *Proofs and Refutations*) nevertheless warn us that absolute conviction remains elusive even in mathematics.

During the Fall 2008 semester, the author had the distinct privilege of teaching a freshman honors seminar course at the University of Wisconsin-Oshkosh. Team-taught with a member of the English department, the course focused on issues of truth and uncertainty in mathematics and the humanities. In this presentation, the author will describe his experience in teaching the course, including the topics discussed, the format of the class and the challenges of working with talented but mathematically diverse students. (Received September 16, 2008)