1014-Z1-880   **Jeffrey L. Poet*** (`poet@missouriwestern.edu`). *Overview of Three Ongoing Undergraduate Investigations at MWSU.* Preliminary report.

Preliminary reports on three undergraduate investigative experiences at Missouri Western State University. The first is an ongoing investigation of Hamiltonian paths on tori. The second is an accumulation of data supporting a conjecture on the super-edge magic property of unions of three star graphs. The third is an attempt to characterize all super-edge magic graphs that are the union of two star graphs. This talk will emphasize that the field of combinatorics is ripe with problems that are understandable and accessible to strong undergraduate students. (Received September 26, 2005)