AOC Summary of Mechanical and Industrial Engineering Assessment Report

On February 28, 2011, the Assessment Oversight Committee (AOC) conducted an assessment review of the Mechanical Engineering (ME) and Industrial Engineering (IE) majors. David Kunz presented the ME and IE assessment reports. Kunz noted how the ME and IE programs assess their students’ learning based on ABET standards. For example, the ME program uses employer and alumni surveys, advisory board response, co-op reports, professional licensing examination results, student surveys, exit surveys for graduates, and employer surveys at two post graduation intervals, to compare with feedback from current students and course assessment data from faculty, to assess student learning. The IE program analyzes multiple metrics each year, which are specified in their assessment plan. At the end of each academic year an annual summary report is generated and shared with the IE faculty and the EMS executive council. Kunz noted that data from outside stakeholders indicate satisfaction with graduates from both programs, including strong abilities to use technology, and good analytical skills. Graduates are consistently recognized for early contribution in the workplace. Weak areas in the programs, such as communication skills, were identified and addressed by curricular changes.

The AOC’s three primary questions were addressed and the committee was satisfied with the current efforts and plans for continued assessment. The AOC commends the ME/IE department for its fine reports.