

### Abstract:

Recent changes in accreditation criteria of computing programs require effective learning outcome assessment with a vigorous process, well documented results, broad faculty participation, and a complete coverage of the assessment cycle. This paper describes a course-based approach that correlates learning outcome objectives to accreditation standards and courses. Course objectives can then be flexibly assessed by using a mix of most suitable assessment tools. A strong course committee structure is used to ensure the smooth execution of the process. Three specific assessment tools with novel features are also described. This assessment approach has been used for the successful accreditation of a computer information systems program and can easily be adapted to other computer science and information system programs.

### Citation:

Yue, K., Effective Course-Based Learning Outcome Assessment for ABET Accreditation of Computing Programs, *Journal of Computer Sciences in Colleges*, Volume 22, Number 4, pp252-259, 2007.