ASSESSMENT SHOWCASE
October 24, 2008

Best of Assessment Showcase
Breakout Session
Integrating Multiple Sources of Data

Raphael A (Ray) Yunk, PE, LEED AP
Dept of Architectural Engineering & Construction Science
Program Coordinator, Architectural Engineering
ACCREDITATION REQUIREMENTS

Accreditation Board for Engineering and Technology (ABET)

North Central Association - Commission on Accreditation and School Improvement (NCA)
Each accredited program must have an assessment process which documents that graduates have achieved the educational objectives and program student learning outcomes.
“Within the first few years following graduation from the five year Architectural Engineering program at Kansas State University, graduates are expected to be working as a professional in an area closely related to architectural engineering, pursuing licensure, and advancing professionally with confidence and experience in one or more of the architectural engineering disciplines of structural, mechanical, electrical, or construction.”
1-a) An ability to apply the fundamentals of engineering, science and mathematics.
2-b) An understanding of statistics and experimental design in the context of building performance.
3-c) An ability to design a system to meet program criteria.
4-c) An ability to understand the cost and engineering economic fundamentals as applied to building system engineering.
5-d) An ability to work on multi-disciplinary teams.
6-e) An ability to identify, research and solve engineering problems.
7-f) An understanding of ethical and professional behavior in preparation for effective industry careers.
8-g) An ability to communicate effectively with oral presentations.
9-g) An ability to communicate effectively with written documentation.
10-g) An ability to communicate effectively with graphic depiction.
11-h, j) An ability to place building engineering problems in a contemporary, social and global context.
12-i) Self-directed inquiry as a basis for life-long learning.
13-k) An ability to use the computer as a tool for analysis and communication.
SURVEY/DATA SOURCES

Senior Surveys
FE & PE Exam Results
2-Yr Alumni Surveys
5-Yr Alumni Surveys
Employer Surveys
Instructor Surveys & Course Outcomes
COMPILING SURVEYS/DATA

Surveys Administered, Collected, and Input on Semester or Annual Basis

Compare Student Learning Outcomes & Program Educational Objective to Performance Criteria

Create Executive Summary for each SLO and the PEO
REVIEWING, EVALUATING, & REPORTING

ABET Assessment Team

ARE Advisory Council

Department Head &/or Faculty Teams
ACTING ON RESULTS
(Closing the Loop)

Instructional Programs Team – Initiates Potential Changes to Courses or Curriculum

Department Head &/or Faculty Teams – Initiate Responses to Other Issues