



Assessment of Program Effectiveness – Student Learning Outcomes

Year: 2008)

Department:

Engineering Technology

Degree Program:

Structural Analysis and Design

Learning Outcome Goal:

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| 1) Perform standard analysis and design of structural systems following codes and modern practices. |
| 2) Determine deformations and stresses in structural systems under the action forces: gravity, wind, fire, earth pressure and flood. |
| 3) Apply basic technical concepts to identify, analyze and solve technical problems involving structural, geotechnical, and material behavior under forces and fire. |
| 4) Select appropriate engineering materials and practices. |
| 5) Employ productivity software to solve technical problems. |
| 6) Utilize modern surveying methods for land measurement and/or construction layout. |
| 7) Utilize graphic techniques to produce engineering documents. |
| 8) Conduct standardized field and laboratory testing on civil engineering materials. |

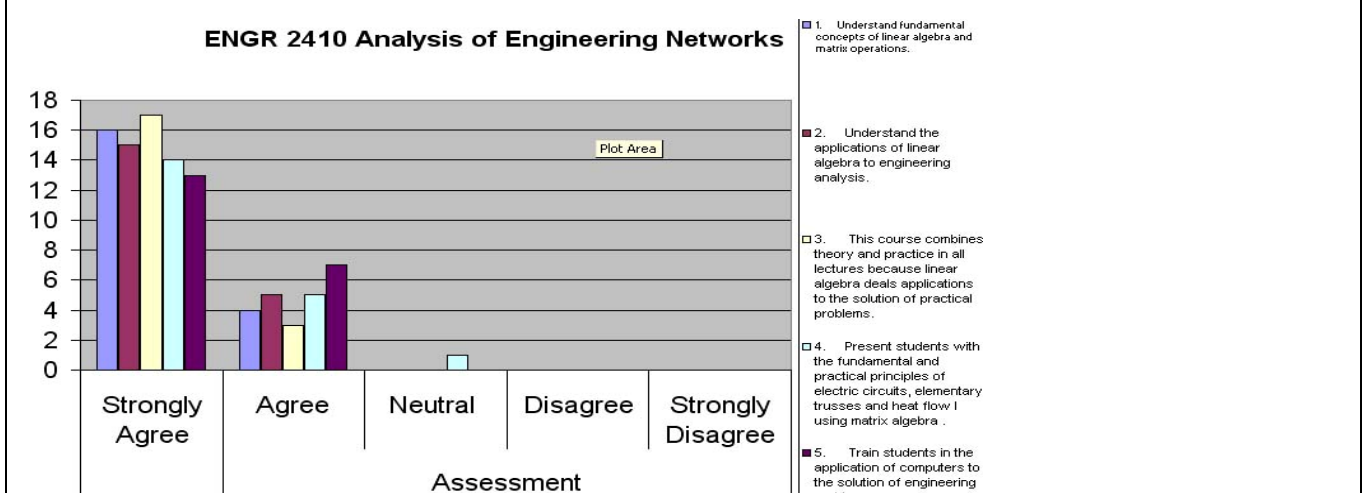
Assessment Procedure (Describe which goal is being assessed, assessment procedures used, identify who conducted the assessment and the date on which it was completed):

All assessment procedures are established and described in the **Continuous Improvement Plan, Structural Analysis and Design Program**. This plan was defined and implemented in the Spring of 2007. Data was collected for all assessment criteria in the fall of 2008. All steps prescribed in the plan were performed during the semester. The Engineering Technology Department will perform the established tasks each future semester.

Assessment Results and Interpretations (Be as specific as possible):

The following assessment tasks were performed in the Fall 2007:

- Exit interviews
- Assessment of program goals by graduates
- Assessment of course outcomes. For all courses offered.
- Assessment Sample



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Use of Results: (Indicate when and how the results were discussed by program faculty, what assessment-based decisions were made regarding the program, and timeline for implementing any changes approved by the faculty. Include dates of actions taken).

Discussions of assessment results between faculty and Program coordinator. Implementation of corrective actions when necessary. Sharing of assessment results with the Industry Advisory Board.

Meeting Notes (*List dates of meetings when assessments results were reviewed and analyzed and decisions made regarding how results could be used to improve program quality. Beginning in 2008, the attached meeting notes template should to record what took place at all assessment meetings. Meeting notes are to be maintained by the Department.*)

Emails documenting sharing of assessment results with the Industry Advisory Board are in the files of the Engineering Technology Department
