



Assessment of Program Effectiveness – Student Learning Outcomes

Department: Computer and Mathematical Sciences

Degree Program: Computer Science [2007-2008]

Learning Outcome Goal: Oral and Written Communication

Graduates will be able to convey Computer Science knowledge, both orally and in writing.

Assessment Procedure (Include identification of who is responsible for conducting this assessment and the date on which it was completed):

Senior Project or W-course projects and reports are evaluated by a subcommittee of the Computer Science Program Committee. Projects are evaluated based on both their content and students written and oral communication of that content. The criteria used to evaluate project content are (i) relevancy of the project to at least one area of Computer Science, (ii) student ability to integrate and apply Computer Science knowledge obtained from courses taken, and (iii) student ability to obtain and use new Computer Science knowledge during the project. The criteria used to evaluate students communication skills are:

(i) competency in expository writing based on senior project and W-course project reports, and (ii) senior project oral presentations.

Each of these criteria are graded on a 0-to-4 scale. Students scoring a 2 or above are considered to have met learning outcome expectations.

Assessment Results (Be as specific as possible):

2 senior projects undertaken in 2007-2008 were selected for assessment. Here are the results based on the assessment procedure:

(1) Project content

(i) relevancy in Computer Science areas:

Computer Graphic and Database

(ii) implementation of Computer Science knowledge obtained from courses taken:

Database and programming

- (iii) new Computer Science knowledge obtained during the project:
OpenGL graphic library
- (2) Communication Skills
- (i) The result on competency in expository writing is 4.
(ii) The result on senior project oral presentations is 4.
100% of senior projects are satisfactory.

Use of Results: (Include dates of actions taken).

The CS Program Committee met in February 2008 and agreed to use the same assessment procedure of senior projects to assess W-courses.

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.*)

The CS Program Committee met in February 2008 and assessed fall 2007 senior projects and recommended to use the same assessment procedure to assess W-courses in spring 2008.