

10/29/04

FEB 28 2005

**CIS Graduate Degree Program
Assessment of Student Learning Plan
Kansas State University**

- Check the box if your program's student learning outcomes have been modified since November 2003. If so, please email (apr@ksu.edu) or attach a hard copy to this document.

A. College, Department, and Date

College: *Engineering*
Department: *Computing and Information Sciences*
Date: *10/29/2004*

B. Contact Person(s) for the Assessment Plans

David A Gustafson, Graduate Program Director

C. Degree Program

MS in Computer Science
Masters in Software Engineering
PhD in Computer Science

D. Assessment of Student Learning Three-Year Plan

1. Student Learning Outcome(s)

- 1. ability to use software engineering techniques to design and implement significant software systems.**
- 2. ability to apply theoretical math, science, and computational skills to solve advanced scientific and/or engineering problems.**
- 6. ability to communicate effectively both in written and oral forms**

Relationship to K-State Student Learning Outcomes (insert the program SLOs and check all that apply):

Program SLOs	University-wide SLOs (Graduate Programs)			Program SLO is conceptually different from university SLOs
	Knowledge	Skills	Attitudes and Professional Conduct	
1. ability to use software engineering techniques	X	X		
2. ability to apply theoretical skills	X	X		
6. communication		X		

2. How will the learning outcomes be assessed? What groups will be included in the assessment?

At each final oral exam in the CIS department, the CIS graduate program evaluation sheet will be filled out by the major professor and each committee member. The forms will be returned that day to the graduate study secretary. At the end of each semester, the Graduate Study committee will analyze the data from the forms. At a minimum, average and standard deviation of the scores will be calculated.

Each professor will be confidentially informed of the scores of his/her students. This information will not be included in the official results.

3. When will these outcomes be assessed? When and in what format will the results of the assessment be discussed?

4.

At each final oral exam. See above.

5. What is the unit's process for using assessment results to improve student learning?

These numbers will be distributed to the CIS faculty and compared with previous results. The faculty will discuss the results at a faculty meeting at the beginning of each semester. Changes to the curriculum and/or changes to the expectations for graduate performance will be discussed, documented, and implemented.