



Assessment of Student Learning Plan
Kansas State University

BY:.....

- 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: *November 1, 2004*

B. Contact Person(s) for the Assessment Plans

Virg Wallentine, Dept. Head
Rod Howell, Undergraduate Studies Committee Chair

C. Degree Program

Minor in Computer Science

D. Assessment of Student Learning Three-Year Plan

1. Student Learning Outcome(s)

The BS programs in Computer Science and Information Systems seek to enable students to:

- *Develop an understanding of the core knowledge of computing, by means of courses in foundations of programming, algorithms, data structures, and software architecture.*
- *Develop basic skills for application of computing knowledge, by means of training in contemporary design-and-development methodologies and application of the methodologies to individual, interdisciplinary, and/or team problem-solving activities.*

Special rationale for selecting these learning outcomes (optional):

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

Program SLOs	University-wide SLOs (Undergraduate Programs)					Program SLO is conceptually different from university SLOs
	Knowledge	Critical Thinking	Communication	Diversity	Academic / Professional Integrity	
Core knowledge	X					
Application		X				

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

- **Core Knowledge**

- **Exams.** A departmental committee will review the results of exams given in CIS 200, 300, and 501. The specific questions for this assessment will be formulated by the course instructor, in cooperation with the Undergraduate Studies Committee, in order to evaluate the knowledge obtained by students in some particular core area of computing. The results of this evaluation will be recorded and tracked from semester to semester. Each semester, the committee will review all of the graded answers for each of the selected questions from each of the courses taught the preceding semester.

- **Application**

- **Exams.** A departmental committee will review the results of exams given in CIS 501. The specific questions for this assessment will be formulated by the course instructor, in cooperation with the Undergraduate Studies Committee, in order to evaluate particular skills for application of computing knowledge. The results of this evaluation will be recorded and tracked from semester to semester. Each semester, the committee will review all of the graded answers for each of the selected questions from exams given in the preceding semester.

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

Both outcomes will be assessed each year. Each assessment will be discussed by the Undergraduate Studies Committee each semester. Results will be discussed with the faculty at the end of every third year, or more frequently if results appear to indicate a more urgent need.

The assessments using exams will be phased in gradually over the next year-and-a-half in order to allow us to do a good job of formulating the specific questions. We will add courses to be included in these assessments according to the following schedule:

- **Spring 2005:** CIS 200
- **Fall 2005:** CIS 501
- **Spring 2006:** CIS 300

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

The Undergraduate Studies Committee will monitor the assessments recommend any action that appears needed.