# UNIVERSITY ASSESSMENT COMMITTEE

Feedback to Academic Departments on Assessment Activities Reported in 2007-08 Annual Reports

DEPARTMENTComputer Science	DATEMarch 20, 2009				
COMMITTEE MEMBER(S) CONDUCTING REV	IEWMary Askim-Lovseth, Joan Hawthorne				
1. STUDENT LEARNING GOALS					
<ul><li>Were any goals referenced?</li><li>If so, were goals well articulated?</li><li>Do goals address student learning?</li></ul>	YES_U,G_ NO QUALIFIED Y/N YES_G_ NO QUALIFIED Y/N _U_ YES_G_ NO QUALIFIED Y/N _U_				
Comments:					
available on the web (October 2003 is posted). However, the what students will know and/or be able to do by the time of g	w undergraduate assessment plan which is apparently not yet e goals identified in the annual report itself do not clearly articulate traduation. (Because of ABET's definitions, very specific, and what we are interested in is "outcomes" which would be				
Science). Four assessment plans are posted (February 2006)-	two graduate tracks, Applied Software Engineering and Computer—Comprehensive Examination Assessment, Defense Assessment, sessment. Goals are identified in the assessment plans (and in the will know and/or be able to do by the time they complete the				
(shown in alignment within parentheses). Use 'U' (undergrawhich are similar to the referenced departmental goals.  _G1 Communication – written or oral ("able to write _G2 Thinking and reasoning – critical thinking (or "bG3 Thinking and reasoning – creative thinking (or "b	e intellectually creative"; explore, discover, engage) ("apply empirical dataanalyze graphical information") uatefor effective, efficient, and ethical use") ty and use that understanding") ng learning")				
Comments regarding departmental goals and alignment of departmental goals with institutional and Essential Studies goals:					
Undergraduate: It is difficult to describe alignmen	at with such limited information.				
Graduate:					
2. ASSESSMENT METHODS					
<ul> <li>Were any specific assessment methods referenced?</li> <li>If so, were specifically chosen assessment methods appropriately aligned with individual</li> </ul>	YES_G NO_U QUALIFIED Y/N				
<ul> <li>goals?</li> <li>Were both direct and indirect assessment methods used as components of a "multiple measures" approach?</li> </ul>	YESG_ NO QUALIFIED Y/N YES NOG_ QUALIFIED Y/N				

Comments

## **Undergraduate:**

Graduate: No indirect methods were described within the annual report.

3.	Δ	SS	F.S	SI	ЛŦ	'N'	ΓR	ES	TIT	TS

Were any assessment results reported?	YESG_	NO_U	QUALIFIED Y/N
<ul> <li>If so, were the results clear in terms of how they specifically affirm achievement of goals?</li> </ul>	YES_G_	NO	QUALIFIED Y/N
<ul> <li>If so, were the results clear in terms of how they indicate need for improvement?</li> <li>Were the results tied to goals for student</li> </ul>	YES_G_	NO	QUALIFIED Y/N
learning?	YESG_	NO	QUALIFIED Y/N

#### Comments:

## **Undergraduate:**

**Graduate:** We note that when the minimum score in all areas except two is a 4.0 (3.0 in clarity and organization), that would cause us to take a closer look at what's happening in those two areas. Also noted are what seems to be a series of typos under goal 2, objective 2.1 – minimum scores are reported at 4, but average scores range from 3.4 to 3.8. Something must be wrong. And, again (if the averages are accurate), you would want to look at why scores on objective 2.1 are uniformly lower than those on objective 1.2 Is one goal less emphasized within the program (e.g., written communication is done less frequently than oral, perhaps)? It was indicated that comprehensive examinations were used to assess Goal 1, Objective1.1, and a Master's Software Engineering project was used to assess Goal 3, Objectives 3.1 and 3.2, yet no data were reported.

In addition to departmental goals, some assessment results may be applicable to institutional and Essential Studies goals. Use 'U' (undergraduate) or 'G' (graduate) to identify those results which are applicable to institutional/Essential Studies goal achievement. For indicated items, please describe findings in the appropriate section below. .

\_\_\_\_\_\_\_1 Communication – written or oral ("able to write and speak in various settings with a sense of purpose/audience")
\_\_\_\_\_\_\_2 Thinking and reasoning – critical thinking (or "be intellectually curious"; analyze, synthesize, evaluate)
\_\_\_\_\_\_\_3 Thinking and reasoning – creative thinking (or "be intellectually creative"; explore, discover, engage)
\_\_\_\_\_\_\_4 Thinking and reasoning – quantitative reasoning ("apply empirical data…analyze graphical information")

5 Information literacy ("be able to access and evaluate...for effective, efficient, and ethical use")
6 Diversity ("demonstrate understanding of diversity and use that understanding...")

7 Lifelong learning ("commit themselves to lifelong learning")

8 Service/citizenship ("share responsibility both for their communities and for the world")

Comments regarding results and the application of results to departmental, institutional and Essential Studies goals:

**Undergraduate:** 

**Graduate:** 

#### 4. CLOSING THE LOOP

Were any actions taken on the basis of assessment results reported?

• If so, do curricular or other improvements/ changes arising from assessment results directly address goals for student learning?

YES	NO U	QUALIFIED Y/N	G
		_	

YES\_\_\_\_\_ NO\_G\_ QUALIFIED Y/N \_\_\_\_

Comments:

**Undergraduate:** The annual report cites changes made to the curriculum, but those changes appear to have stemmed from enrollment concerns rather than assessment findings. The changes were the addition of three service courses targeted toward non-computer science majors and prospective computer science majors and have no connection to the undergraduate program.

**Graduate:** No changes to the curriculum were reported. One discussion about the graduate program appears to be stemming from indirect assessment findings (which were not reported here). That discussion is about the infrequency of elective course offerings and the resulting narrow selection of electives in any given semester. Again, this appears to be in response to program enrollments rather than in response to assessment findings. Changes in methods of collecting and recording data are also cited.

### SUMMARY

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SCHIMARI	Strengths		Areas for Improvement		
G_ A specific plan for assessment is in placeG_ Student learning goals are well-articulatedG_ Assessment methods are clearly describedAssessment methods are appropriately selectedAssessment methods are well-implementedDirect and indirect methods are implementedG_ Results are reportedResults are tied to closing the loop. (Decision-making is tied to evidence.)		ulatedStudent lear ribedAssessment y selectedAssessment entedAssessment tementedA single typU No resultsU Results ar	No specific plan for assessment is in placeStudent learning goals are not well-articulatedAssessment methods are not clearly describedAssessment methods are not appropriately selectedAssessment methods are not well-implementedA single type of assessment methods predominatesUNo results are reportedUResults are not clearly tied to closing the loop. (Decision-making is not directly tied to evidence.)		
OVERALL S	UMMARY AND REC	OMMENDATIONS:			
amounts of data	collected so far) and no ch	nanges have been made that clear stem	ctives appear to be preliminary (i.e., small n from assessment findings.  graduate learning, more information is needed.		
Reviewer(s):	Name Department Phone Number e-mail	_Joan Hawthorne _Academic Affairs _7-4684	_Mary Askim-LovsethMarketing7-2930mary.askim@mail.business.und.edu		
Section 1: _?(U	), Y(G) Section 2: _N	(U), Y(G) Section 3: _N(U), Y(C	G) Section 4: _N(U,G)		
N =	<ul> <li>yes, this is done appropriate</li> <li>no, this is not done at all</li> <li>no information available</li> </ul>	, or it is not done in relationship to stu	ident learning		

= action or progress is apparent; however, evidence is lacking that this is completely and appropriately done