UNIVERSITY ASSESSMENT COMMITTEE

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

DEPARTMENT_Electrical Engineering	DATE4.13.09					
COMMITTEE MEMBER(S) CONDUCTING REV	IEWDarla Ada	ms & Cassie	Gerhardt			
1. STUDENT LEARNING GOALS						
Were any goals referenced?If so, were goals well articulated?Do goals address student learning?	YES_U & G YES_U & G YES_U & G	NO	QUALIFIED Y/N			
Comments:						
Undergraduate: The goals referenced for the under educational objectives as well as program outcomes. The edu 2007 with input from faculty, students, and the Electrical Eng the EAC/ABET outcomes.	icational objectives	and program ou	tcomes were revised in April			
Graduate: The goals referenced for the graduate pro	ogram were adopted	in spring 2006.				
In addition to the Departmental goals, please also consider U (shown in alignment within parentheses). Use 'U' (undergrad which are similar to the referenced departmental goals. _U_G_1 Communication – written or oral ("able to write G_2 Thinking and reasoning – critical thinking (or "b G_3 Thinking and reasoning – creative thinking (or "l G_4 Thinking and reasoning – quantitative reasoning 5 Information literacy ("be able to access and evalu 6 Diversity ("demonstrate understanding of diversit 7 Lifelong learning ("commit themselves to lifelon 8 Service/citizenship ("share responsibility both fo Comments regarding departmental goals and alignment of a goals:	and speak in various e intellectually curio be intellectually creat ("apply empirical datefor effective, ety and use that under ug learning")	ate) to identify to settings with a bus"; analyze, syntive"; explore, ataanalyze grafficient, and etherstanding")	UND/Essential Studies goals a sense of purpose/audience") (Inthesize, evaluate) (Inthesize, evaluate) (Inthesize, engage) (Interest engage			
Undergraduate: The goals listed address both Esse enrolled in the Electrical Engineering program.	ntial Studies goals a	s well as broade	er goals specific to students			
Graduate: no comments						
2. ASSESSMENT METHODS						
 Were any specific assessment methods referenced? If so, were specifically chosen assessment methods appropriately aligned with individual 	YES_U & G	NO	QUALIFIED Y/N			
goals? • Were both direct and indirect assessment	YES_U & G	NO	QUALIFIED Y/N			
methods used as components of a "multiple measures" approach?	YES_U & G	NO	QUALIFIED Y/N			

Comments:

Undergraduate: A variety of assessment methods were referenced as well as information regarding the frequency of their use and type (evaluation, direct or indirect). The assessment methods listed provide a thorough approach to assessment as

they appear to engage students at different points in the program and are not just summative data collection methods. It was mentioned in the annual report that the Electrical Engineering Assessment Plan was overhauled, but the departmental assessment plan (posted on the Assessment Committee website) is dated March 2004 and is not in alignment with the updated (April 2007) educational objectives and program outcomes.

Graduate: Assessment methods are identified for each of the stated goals. In addition a timeline is noted for the completion of each of the specific assessment methods.

3. ASSESSMENT RESULTS							
 Were any assessment results reported? If so, were the results clear in terms of how they specifically affirm achievement of goals? If so, were the results clear in terms of how they indicate need for improvement? Were the results tied to goals for student learning? 	YES_U & G	NO	QUALIFIED Y/N				
	YES_U	NO	QUALIFIED Y/N _G				
	YES_U & G	NO	QUALIFIED Y/N				
	YES_U	NO	QUALIFIED Y/N _G				
Comments:							
Undergraduate: The reported results show a comm	itment to assessmen	t on the part of f	faculty and administrators.				
Graduate:							
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. _U1 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 dataanalyze graphical information") 5 Information literacy ("be able to access and evaluatefor 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	o departmental, inst	titutional and E	ssential Studies goals:				
Undergraduate: The reported assessment results provide results for each of the assessment methods listed in section 2. Most of the reported results relate to survey results from the Alumni Survey and/or the Graduate Seniors Survey. Assessment results from more direct methods should be included.							
Graduate: The results reported were for graduate student theses completed in FY 2007 as theses completed in FY 2008 were not assessed. Although the assessment results regarding the graduate student theses provides information regarding areas for improvement, the reported results do not relate to the previously stated goals. It appears that assessment of student learning at the graduate level is in the developing stages in comparison to the assessment at the undergraduate level.							
4. CLOSING THE LOOP							
Were any actions taken on the basis of assessment results reported?	YESU N	NO QUALI	IFIED Y/N _G				
If so, do curricular or other improvements/ changes arising from assessment results directly address goals for student learning?	VEC II	NO OIMI	IEIED V/N. G				
directly address goals for student learning?	YESU	NO QUALI	IFIED Y/N _G				

Comments:

Undergraduate: The report addresses both "closing the loop" changes that have been made such as improving lab exercises as well as areas that the department still needs to address based on assessment results.

Graduate: At this time, "closing the loop" activities have not occurred at the graduate level. The annual report noted that there is a plan to study the assessment results in order to recommend way to improve supervision of graduate students.

SUMMARY					
Strengths			Areas for Improvement		
U & G A specific plan for assessment is in placeU & G_Student learning goals are well-articulatedU & G_Assessment methods are clearly describedU & G_Assessment methods are appropriately selectedU Assessment methods are well-implementedU & G_Direct and indirect methods are implementedU & G_Results are reportedU Results are tied to closing the loop (Decision-making is tied to evidence.)			No specific plan for assessment is in placeStudent learning goals are not well-articulatedAssessment methods are not clearly describedAssessment methods are not appropriately selectedGAssessment methods are not well-implemented A single type of assessment methods predominates No results are reported Results are not clearly tied to closing the loop (Decision-making is not directly tied to evidence.)		
OVERALL S	UMMARY AND RE	CCOMMENDATIO)NS:		
Overall the prog	gram has clearly articula	ted goals, assessment	methods, and plans	a culture of assessment in their programs to utilize assessment methods. As no e the loop" at the graduate level.	
Reviewer(s):	Name Department Phone Number e-mail	_777-3667		Darla Adams	
	Section 2: _Y	Section 3:Y	Section 4:Y_		
N = NA =	yes, this is done appro- no, this is not done at no information availa action or progress is a	all, or it is not done in ble	_	dent learning at this is completely and appropriately	done