UNIVERSITY ASSESSMENT COMMITTEE

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

DEPARTN	MENT	Engineering PhD		DAT	TE_May 5, 2009
COMMIT	TEE ME	MBER(S) CONDUCTING RE	VIEW_Shar	lette Seelar	ı & Darla Adams
1. STUDEN	NT LEAR	NING GOALS			
• • • • • • • • • • • • • • • • • • •	If so, wei	goals referenced? re goals well articulated? address student learning?	YES_X YES YES	NO	QUALIFIED Y/N QUALIFIED Y/N _? QUALIFIED Y/N _?
The dept als accommoda mechanical chosen engi articulated various opti carry out a to the discip be able to a situation.") experience sinvolving the able to form provides to assessment. In addition t (shown in all which are singled and accompany of the disciplination of the disciplina	so has a conte all the . Hence	mphasis area and a breadth of know is that it can be difficult to figure having some goals which cut acrossolan appropriate for answering cofor students completing a degree in plex engineering problems in order, it's preferable to describe what will have (e.g., instead of "Students ant investigation of scientific hypotectric students must demonstrate the complete referenced departmental goals."	ited on the webs, civil, electrica broad (eg. Growledge in relate out how to colors all disciplines in mplex engineer program emphases to make recestudents will formulate thesis and/or enage moves you de – and it's readuate) or 'G' or 'be intellectuation ("apply empayaluatefor effirsity and use the elong learning")	site). The En I, energy, en aduates will sed areas). T lect appropria s (e.g., "Stud- ring question asizing environmendation now or be al- and execute agineering te r focus from lly student c onal and Esse (graduate) to various setti lly curious"; ally creative" birical data fective, effici t understandi	agineering PhD is designed to vironmental, geological and have a depth of knowledge in their the challenge when goals are riate data. You might consider ents will be able to formulate and as.") and others which vary according commental engineering, "Students will ons and decisions appropriate to the ole to do rather than describing the earesearch and/or development plane chnologies," write "Students will be the experiences your program ompetencies that are of interest with ential Studies goals for student learning identify UND/Essential Studies goals mgs with a sense of purpose/audience") analyze, synthesize, evaluate) (explore, discover, engage) analyze graphical information") ent, and ethical use") ng")
goals:	<i>regarding d</i> dergradua	departmental goals and alignment onte: NA	of departmental	goals with in	nstitutional and Essential Studies
Gra	aduate: A	lthough the goals are very general	, Goals 2 & 3 co	ould be corr	elated to the Essential Studies goals.
2. ASSESS	MENT M	ETHODS			
Were any sp	If so, wer	ssment methods referenced? re specifically chosen assessment appropriately aligned with individua		NO	QUALIFIED Y/N _?
	goals?			NO	QUALIFIED Y/N

 Were both direct and indirect assessment methods used as components of a "multiple measures" approach? 	YES	NO	QUALIFIED Y/N							
Comments:										
Undergraduate:										
Graduate: A combination of course work, research credits, poster/oral presentation at the Graduate Forum, and dissertations were the assessment methods referenced. The dept also conducts a survey of graduating students at the end of each semester. An alumni survey and an employer survey was also developed in 2006.										
3. ASSESSMENT RESULTS										
Were any assessment results reported?	YES_X_	NO	QUALIFIED Y/N							
• If so, were the results clear in terms of how they specifically affirm achievement of goals?	YES	NO	QUALIFIED Y/N							
If so, were the results clear in terms of how they indicate need for improvement? When the management is the formula for	YES	NO	QUALIFIED Y/N							
 Were the results tied to goals for student learning? 	YES	NO	QUALIFIED Y/N							
Comments:										
Undergraduate:										
Graduate: Results from the evaluation of dissertations from 2006 and 2007 were reported. (The data set is very small – three students). No results from the surveys 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 _G1 Communication – written or oral ("able to write and speak in various settings with a sense of purpose/audience") _G2 Thinking and reasoning – critical thinking (or "be intellectually curious"; analyze, synthesize, evaluate) _G3 Thinking and reasoning – creative thinking (or "be intellectually creative"; explore, discover, engage) _G4 Thinking and reasoning – quantitative reasoning ("apply empirical dataanalyze graphical information") _G5 Information literacy ("be able to access and evaluatefor effective, efficient, and ethical use") 6 Diversity ("demonstrate understanding of diversity and use that understanding") 6 Service/citizenship ("sommit 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?	YES X	NO	_ QUALIFIED Y/N							
If so, do curricular or other improvements/ changes arising from assessment results directly address goals for student learning?	YES	NO	QUALIFIED Y/N							

Comments:

Undergraduate:

Strengths

Graduate: No changes were made and the dept plans to continue to collect and analyze data, which makes sense given the small amount of data that is so far available. As additional data are collected, you'll want to ensure that there are yearly discussions about data, complete with minutes or some other means of record-keeping that allow you to track findings, discussions, and decision-making for inclusion in future annual reports.

Areas for Improvement

SUMMARY

	•			-	
Student Assessmen Assessmen Direct and YResults a	fic plan for assessment a learning goals are well- nent methods are clearly at methods are appropria ent methods are well-im d indirect methods are in are reported. are tied to closing the lo	articulated described ttely selected plemented mplemented op	Assessment meth Assessment meth Assessment meth Assessment meth A single type of a No results are rep Results are not cl	for assessment is in place. goals are not well-articulated. lods are not clearly described. lods are not appropriately selected lods are not well-implemented. lassessment methods predominate loorted. learly tied to closing the loop. g is not directly tied to evidence.)	s.
OVERALL S	SUMMARY AND R	ECOMMENDATIONS	5:		
departments), y used regularly intended outcoments in dissertation of immediately for you would have students' demo- outstanding, cre-	you may find that it's a orduring culminating ever mes for the program, you defenses) use the rubric illowing the activity itse e scores from several di instration of knowledge editable, acceptable, una	challenge to get all the data and the can be especially helpful ou could require that faculty to score students' perform lf. By the end of the year, and skills. A simple mean acceptable, and NA (essent	a collected, reported, al. For example, if you you who read comprehe ances and submit the you might have data means of finding ou sof scoring would ustially "can't tell base	rogram (cutting across multiple and used. Developing systems the ou develop a rubric that incorporate ensive exams or theses (or who passed to on only a small number of stude thow satisfied those faculty are vise only a small number of option d on this performance"). If there it was worth further discussion.	ates all articipate ints but with the s, e.g.,
Reviewer(s):	Name Department Phone Number e-mail	Sharlette Seelan Housing		_Darla Adams _Nursing _7-4509 _darlaadams@mail.und.edu	
Section 1: _Y_	Section 2:? (A	Assess Plan) Section	3:? Section	4: _?	
N		ropriately and well t all, or it is not done in rel	-	learning	

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