UNIVERSITY ASSESSMENT COMMITTEE Feedback to Departments on Assessment Activities Reported in 2006-2007 Annual Reports **DEPARTMENT** Mathematics **DATE** November 2007_____ COMMITTEE MEMBER(S) CONDUCTING REVIEW Joan Hawthorne, Nabil Suleiman 1. STUDENT LEARNING GOALS Were any goals referenced? NO____ QUALIFIED Y/N ___ QUALIFIED Y/N _X If so, were goals well articulated? YES____ NO____ Do goals address student learning? NO QUALIFIED Y/N In addition to the Departmental goals, please also consider UND's Institutional and General Education goals for student learning (shown in alignment within parentheses). For each goal, use a Y (yes), N (no), or ? (qualified y/n or uncertain) to indicate whether this department has a similar or related goal. _____1 Communication ("communicate effectively, both orally and in writing") 2 Critical/creative thinking ("think critically and creatively" and "be intellectually curious and creative") 3 Informed choices ("make informed choices") 4 Understanding across disciplines ("understand how conclusions are reached in the natural sciences, the social sciences, and the arts and sciences" and "acquire knowledge over a broad spectrum of subject areas") ______ 5 Lifelong learning ("commit themselves to lifelong learning") _____6 Cross-cultural appreciation ("develop some familiarity with cultures other than their own") 7 Service/citizenship ("commit themselves to...the service of others," and "share responsibility both for their communities and for the world") Comments regarding Departmental goals and alignment of Departmental Goals with Institutional and General Education Goals: **Undergraduate:** Undergrad goals heavily use words like "awareness" and "appreciation," which are difficult to pin down in terms of meaning. In some cases, meaning is clarified through objectives. While having some goals of this sort is highly reasonable, it may be worth revisiting whether any of these goals might be productively worded as skills or knowledge goals. Putting more emphasis on knowledge and skills goals may be helpful in faculty discussions of overall satisfaction with goal achievement. **Graduate:** Graduate goals seem reasonable in the general approach, but also fairly vague – which is reflected in the grad portion of assessment report. E.g., the report mentions that better learning around oral communication is needed, although that is not identified in the departmental learning goals. 2. ASSESSMENT METHODS NO QUALIFIED Y/N Were any specific assessment methods referenced? • If so, were specifically chosen assessment methods appropriately aligned with individual YES X NO QUALIFIED Y/N goals? Were both direct and indirect assessment YES_X__ NO___ QUALIFIED Y/N methods used as components of a "multiple measures" approach?

Comments:

Undergraduate: The idea of looking at learning in subsequent courses is a clever approach to assessing the durability of intended learning. However, the difficulty faculty had with assessing goal 6 is a reason for revisiting the question of whether SOME of the goals could be productively reworded in terms of measurable knowledge an skills.

Graduate: Learning is demonstrated in the independent study or thesis, but there is no indication in this report that data have been collected systematically (as opposed to intuitively) from those documents.

3.	ASSESSN	ЛЕNТ	RESUI	JTS
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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_X_	NO	QUALIFIED Y/N				
If so, were the results clear in terms of how they indicate need for improvement? When the state of the	YES_X_	NO	QUALIFIED Y/N				
 Were the results tied to goals for student learning? 	YES_X_	NO	QUALIFIED Y/N				
In addition to departmental goals, some assessment results may be applicable to Institutional and General Education goals. A list of the latter goals is included below. Please indicate with a Y, N, or ? whether results reported are applicable to Institutional or General Education goal achievement. For items with a Y or a ?, please describe findings in the appropriate section below.							
Comments regarding results and the application of results	to Departmenta	ıl, Institutio	nal and General Education Goals:				
Undergraduate: Both direct and indirect data wer department sees a need for action based on that percentage.	re reported. We	note the 60	% success rate and wonder if the				
Graduate: No data reported for the grad program							
4. CLOSING THE LOOP							
Were any actions taken on the basis of assessment results reported? • If so, do curricular or other improvements/	YESX_	NO	_ QUALIFIED Y/N				
changes arising from assessment results directly address goals for student learning?	YESX_	NO	QUALIFIED Y/N				

Comments:

Undergraduate: Based on indirect evidence (transcript analysis), there appears to be some difficulty with universal achievement of goals 4 and 5, and plans are being made to address that problem.

Graduate: The report documents two conclusions, but neither is tied to grad program goals and neither is clearly rooted in data collection.

SUMMARY

Strengths

Areas for Improvement

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A specific plan for assessment is in place Student learning goals are well-articulated X Assessment methods are clearly described Assessment methods are appropriately selected Assessment methods are well-implemented X Direct and indirect methods are implemented X Results are reported Results are tied to closing the loop. (Decision-making is tied to evidence.)		culated	No specific plan for assess Student learning goals are a Assessment methods are no Assessment methods are no Assessment methods are no Assessment methods are no A single type of assessmen No results are rep Results are not clearly tied (Decision-making is not di	not well-articulated. ot clearly described. ot appropriately selected. ot well-implemented. at methods predominates. orted. to closing the loop.
OVERALL S	UMMARY AND RE	COMMENDATIONS	:	
both assessment being discovered collection of dat	plans could benefit from d. It is very important the	n faculty review of goals nat data be reported for the ing is usually fairly straigh	an graduate program assessmenow that plans are being imple e grad program as well as the htforward if rubrics are used d	emented and difficulties are undergrad program, and
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Section 1:Y_	Section 2:Y	Section 3:Y	Section 4:Y	
N = NA =	no information availab	all, or it is not done in rela	ationship to student learning	letely and appropriately done