UNIVERSITY ASSESSMENT COMMITTEE Feedback to Departments on Assessment Activities Reported in 2006-2007 Annual Reports **DEPARTMENT**___Chemistry_____**DATE**_December 2007_____ COMMITTEE MEMBER(S) CONDUCTING REVIEW Darla Adams, Jon Jackson 1. STUDENT LEARNING GOALS Were any goals referenced? NO____ QUALIFIED Y/N ___ YES_X___ NO____ QUALIFIED Y/N ___ If so, were goals well articulated? Do goals address student learning? YES X 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. 2 1 Communication ("communicate effectively, both orally and in writing") G | UG 2 Critical/creative thinking ("think critically and creatively" and "be intellectually curious and creative") **G | UG** 3 Informed choices ("make informed choices") _ G | UG _ 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") **_G** | **UG _** 5 Lifelong learning ("commit themselves to lifelong learning") ______ 6 Cross-cultural appreciation ("develop some familiarity with cultures other than their own") G | UG 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:** Although goals are heavily oriented to reflect American Chemical Society (ACS) acknowledged standards, there is generally excellent overlap with institutional goals. Graduate: See above. 2. ASSESSMENT METHODS Were any specific assessment methods referenced? YES_X__ NO___ QUALIFIED Y/N ____ If so, were specifically chosen assessment methods appropriately aligned with individual YES__ ___ NO___ QUALIFIED Y/N _ X ___ Were both direct and indirect assessment methods used as components of a "multiple YES__ ___ NO____ QUALIFIED Y/N X

Comments:

Undergraduate:

measures" approach?

Direct measures via ACS standardized tests — this provides both intramural accountability, as well as a benchmark with which to judge progress of students through the curriculum and compare these students with their counterparts at other ACS institutions.

Graduate:

More indirect measures utilized here, productivity and qualitative assessments made by advisory committees.

3. ASSESSMENT RESULTS

Were any assessment results reported?	YES_	_UG	NOC	QUALIFIED Y/N		
 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 			NO	QUALIFIED Y/NX		
 they indicate need for improvement? Were the results tied to goals for student learning? 	YES_		NO	QUALIFIED Y/N _X_		
	YES_	_UG	NOC	G 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. UG 1 Communication ("communicate effectively, both orally and in writing") UG 2 Critical/creative thinking ("think critically and creatively" and "be intellectually curious and creative")? 3 Informed choices ("make informed choices") UG 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") UG 5 Lifelong learning ("commit themselves to lifelong learning") ? 6 Cross-cultural appreciation ("develop some familiarity with cultures other than their own") UG 7 Service/citizenship ("commit themselves tothe service of others," and "share responsibility both for their communities and for the world") **Comments regarding results and the application of results to Departmental, Institutional and General Education Goals:						
Undergraduate: Performance of students (majors and non-majors alike) on standardized national exams is basis for the department's (justifiable) general feeling of contentment with respect to instructional quality and student achievement.						
Graduate: Problem area identified and discussed – no results reported.						
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	QUALIFIED Y/N _X_		
	YES_		NO	QUALIFIED Y/N _X_		
Comments:						
Undergraduate:		1. '		. 1		

Where student performance on ACS exams lags behind other subject areas, the department is keen to resolve perceived area of laboratory/instructional need

Graduate:

Evaluating exceptional graduate students in the department has been identified as a potential concern — moving the exceptionally good ones through more quickly, better helping address the needs/ of students with exceptional shortcomings remains a challenge.

SUMMARY

Strengths

Areas for Improvement

X A specific plan for assessment is in placeX Student learning goals are well-articulatedX Assessment methods are clearly describedX Assessment methods are appropriately selectedX Assessment methods are well-implementedX Direct and indirect methods are implemented? Results are reported? 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 selectedAssessment methods are not well-implementedA single type of assessment methods predominatesGNo results are reportedResults are not clearly tied to closing the loop. (Decision-making is not directly tied to evidence.)			
OVERALL SUMMARY AND RECOMMENDATIONS:						
national standar claim that gradu	dized exams and shows that tate student achievement can	t chemistry instruct n indirectly be link	iety in 2006 — overall student achievement is measured by ction and student learning are overall very good. If we make the ked to faculty productivity/achievement, the department reports e to grad program would be helpful.			
Reviewer(s):	Name Department Phone Number e-mail	_777-4911; 777-4	ell Biology; Nursing_			
Section 1: _Y	Section 2:Y	Section 3:?	? Section 4:?			

Coding Key:

Y = yes, this is done appropriately and well N = no, this is not done at all, or it is not done in relationship to student learning

NA = no information available

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