UNIVERSITY ASSESSMENT COMMITTEE Feedback to Departments on Assessment Activities Reported in 2006-2007 Annual Reports **DEPARTMENT** Biology **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___ If so, were goals well articulated? NO____ QUALIFIED Y/N ___ 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. **G** | **UG** 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") ____?__ 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") ______ 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:** Revisions of the departmental goals for students graduating with a bachelor's degree in Biology have resulted in an impressively coherent alignment of Departmental goals with Institutional & Gen Ed. goals for student learning. Graduate: Graduate program goals appropriate for MS, PhD candidates, and are addressed in professional terms, such as dealing with professionalism and/or ethics (for e.g., #7 above). 2. ASSESSMENT METHODS YES X 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 methods used as components of a "multiple YES_X ___ NO___ QUALIFIED Y/N ____

Comments:

Undergraduate:

measures" approach?

A good deal of effort is made through the use of a direct measures of student learning via a major's pre-test, which is also taken at the conclusion of the student's program — areas where little improvement are noted serve as the basis for adjusting curricula, or for setting new requirements for the major, so as to better achieve the department's learning goals.

Graduate:

A new assessment plan is in place and will be implemented in the 08 academic year, with preliminary results available in the 2008 annual report.

3. ASSESSMENT RESULTS

Were any assessment results reported?		K 1	NO	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 	YES	N	NO	QUALIFIED Y/N _X_
they indicate need for improvement?	YES	N	NO	QUALIFIED Y/N _X_
 Were the results tied to goals for student learning? 	YES_X	K 1	NO	QUALIFIED Y/N
In addition to departmental goals, some assessment results marked first of the latter goals is included below. Please indicate with Institutional or General Education goal achievement. For iter section below.	a Y, N, or ms with a or oth orally a creatively how concover a broat ong learni miliarity w	r? whe Y or a and in y" and belusions ad specing")	ether results?, please do writing") "be intelled s are reache etrum of su ltures other	escribe findings in the appropriate ctually curious and creative") ed in the natural sciences, the social bject areas") than their own")
Comments regarding results and the application of results to	o Departm	nental,	Institution	nal and General Education Goals:
Undergraduate: It is clear that the results received from the initial round attention to course activities that promote critical thinking level students. The results of departmental discussions on which goals get prioritized.	g and epist	temolo	gical under	rstanding on the part of their upper
Graduate: As mentioned above, the department recently (Sprin graduate program — it is being implemented during the curre preliminary results from the assessment of 08 academic year	ent (08) ac	ademic	year — th	e plan describes the idea that
4. CLOSING THE LOOP				
Were any actions taken on the basis of assessment results reported? • If so, do curricular or other improvements/	YES	X	NO	QUALIFIED Y/N
changes arising from assessment results directly address goals for student learning?	YES	_X	NO	_QUALIFIED Y/N
Comments:				
Undergraduate:				

Admirable, dexterous work in adapting curricula to address demonstrated needs in student understanding across the discipline of biological science.

Graduate:

Given the efforts undertaken and the assessment methods chosen, it seems appropriate expect that the results of graduate program assessment will also lead to effective change in programming/curricula to respond to perceived needs based on the results of student learning assessment through direct and indirect measures. Of particular interest will be the results of the annual review of student progress, which on the graduate level, seems a large and detailed undertaking.

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Strengths

Areas for Improvement

No specific plan for assessment is in place.
Student learning goals are not well-articulated.
Assessment methods are not clearly described.
Assessment methods are not appropriately selected
Assessment 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 SUMMARY AND RECOMMENDATIONS:

The Faculty of the Department of Biology have made great strides in assessing their program and changing the program to reflect addressing departmental and institutional learning outcomes. The adaptations they have made to their undergraduate program as a result of the initial round of assessment data should provide new data for the next annual report cycle — such data should inform the entire campus as to the effectiveness of program assessment in bringing value to the degrees we offer in various disciplines. Our committee's actions should be to support these efforts and to help them publicize them across campus, as well as in appropriate venues beyond our own walls.

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Section 1: _Y	Section 2:Y	Section 3:Y Section 4:Y
N =	yes, this is done appropria no, this is not done at all, no information available	ntely and well or it is not done in relationship to student learning

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