UNIVERSITY ASSESSMENT COMMITTEE

Feedback to Academic Departments on Assessment Activities Reported in _2013-14_____

UNDERGRADUATE PROGRAMS

DEPARTMENT_Atmospheric Sciences				DATE_April 28, 2015	
PROGRAM	(S) COVERED IN REVIEW _B.S. in At	tmospheric	Sciences		
COMMITT	EE MEMBER(S) CONDUCTING REV	IEW_Devoi	n Hansen a	nd Bradley Myers	
1. STUDENT	LEARNING GOALS				
• I	Were any goals referenced? f so, were goals well articulated? Do goals address student learning?		NO	QUALIFIED Y/N QUALIFIED Y/N QUALIFIED Y/N	
Comments: The undergrad	uate assessment plan lists eight goals for stude	nt learning.			
X 2 7 X 3 7 X 4 7 X 5 I 6 Di 7 Li: 8 Se	Communication – written or oral ("able to write Thinking and reasoning – critical thinking (or "Thinking and reasoning – creative thinking (or "Thinking and reasoning – quantitative reasoning information literacy ("be able to access and evalversity ("demonstrate understanding of diversity felong learning ("commit themselves to lifelong revice/citizenship ("share responsibility both for the grading program goals and alignment with instances and evaluation, thinking and reason dinformation literacy are aligned with the inter-	be intellectuand the intellectuand the intellectuand general ("apply empluate for effity and use that general learning") are their communicatitutional and printing (critical)	Illy curious"; ally creative' birical data fective, efficit understand inities and for thinking, creative.	analyze, synthesize, evaluate) "; explore, discover, engage) analyze graphical information") tient, and ethical use") ing") It the world") Studies goals: eative thinking, and quantitative	
2. ASSESSM	ENT METHODS				
• I	rific assessment methods referenced? f so, were specifically chosen assessment methods appropriately aligned with individual	YES_X	NO	QUALIFIED Y/N	
g	goals?	YES_X	_ NO	QUALIFIED Y/N	
n	Were both direct and indirect assessment nethods used as components of a "multiple neasures" approach?	YES_X	_ NO	QUALIFIED Y/N	
learning outco	nt utilizes a variety of both direct and indirect a mes. ENT RESULTS	ssessment me	ethods, which	are aligned with intended student	
		VEC V	NO	OHALIEIED VAI	
	ssment results reported? f so, were the results clear in terms of how	YES_X	NO	QUALIFIED Y/N	
ti	hey specifically affirm achievement of goals?	YES_X	NO	QUALIFIED Y/N	
	f so, were the results clear in terms of how hey indicate need for improvement?	YES_X	NO	QUALIFIED Y/N	

 Were the results tied to goals for student learning? 	YES_X	NO	QUALIFIED Y/N		
Comments: The assessment methods are well implemented to assess the docurse (AtSc 492: Senior Project) specifically addresses five gaddresses all eight student learning goals.					
In addition to program goals, some assessment results may be any goals for which the program presents findings, and, for inX1 Communication – written or oral ("able to writeX2 Thinking and reasoning – critical thinking (or "IX3 Thinking and reasoning – creative thinking (or "I_X4 Thinking and reasoning – quantitative reasoning	dicated items, and speak in be intellectuall be intellectual ("apply empi luatefor effery and use that g learning")	describe fin various settin y curious"; a lly creative" rical dataa ective, efficie understandin	adings below. ngs with a sense of purpose/audience" analyze, synthesize, evaluate) ; explore, discover, engage) analyze graphical information") ent, and ethical use") ng")		
Comments regarding results and the application of results to program, institutional, and Essential Studies goals: Assessment data collected by the department indicate that learning is occurring for each of the ES goals.					
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?			_ QUALIFIED Y/N		
<i>Comments:</i> The department continues to work toward improvement of student learning outcomes by identifying areas of concern through their collection of annual assessment data and thoughtfully implementing changes to their curriculum.					
SUMMARY					
Strengths		Areas j	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 implementedX Results are reportedX Results are tied to closing the loop (Decision-making is tied to evidence.)	Studen Assess Assess Assess No resu Results	t learning go ment method ment method ment method le type of ass ults are report s are not clea	r assessment is in place. pals are not well-articulated. ds are not clearly described. ds are not appropriately selected. ds are not well-implemented. sessment methods predominates. rted. arly tied to closing the loop. is not directly tied to evidence.)		
OVERALL SUMMARY AND RECOMMENDATIONS: As was noted in 2010-11 assessment report of the Atmospheric Sciences undergraduate program and continues to be the case in this assessment report that this department "provides a textbook-perfect example of a situation where assessment is thoughtfully designed and systematically executed."					
MATERIALS REVIEWED					
X Annual assessment report Annual Report X Assessment plan (as posted)					

	ous assessment review please describe)			
Reviewer(s):	Name Devon Hansen Department Geography Phone Number 7-4587	Bradley Myers Law School 7-2228		
	e-mail devon.hansen@und.ed			
Section 1: _Y	Section 2: _Y Section 3: _Y	ection 4: _Y		
Coding Key:				
Y	= yes, this is done appropriately and well (bearing i that assessment is a cyclical process, i.e., with additivears)			
Q	= qualified yes as action or progress is apparent; however, evidence is lacking that this is completely and appropriately done			
N	= no, it is unclear whether it was done at all, or it is not done in relationship to student learning			

Revised Sept 24, 2014

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GRADUATE PROGRAMS

DEPARTMENT_Atmospheric Sciences	DATE_April 28, 2015				
PROGRAM(S) COVERED IN REVIEW _M.S. and Ph.D. in Atmospheric Sciences					
COMMITTEE MEMBER(S) CONDUCTING REVI	IEW_Devoi	n Hansen and	d Bradley Myers		
1. STUDENT LEARNING GOALS					
 Were any goals referenced? If so, were goals well-articulated? Do goals address student learning? Comments: The department assessment plan cites three goals for student assessment plan makes no distinction between the M.S. and F.	YES_XYES_Xlearning with	NO NO			
2. ASSESSMENT METHODS					
 Were any specific assessment methods referenced? If so, were specifically chosen assessment methods appropriately aligned with individual goals? Were both direct and indirect assessment methods used as components of a "multiple measures" approach? 	YES_X	NO	QUALIFIED Y/N QUALIFIED Y/N QUALIFIED Y/N		
Comments: The department utilizes both direct and indirect assessment mobjectives.	nethods, whic	h are aligned v	with specific student learning		
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	NO NO NO	QUALIFIED Y/N _X		
Comments: The assessment methods are implemented to assess the depar exams were given to four students (two doctoral students and "unconditional pass." Generally, there seems to be no clear e for improvement, or whether the results are tied to goals for s 4. CLOSING THE LOOP	two non-the	sis MS student rided to affirm	s) with all passing with an		
Were any actions taken on the basis of assessment results reported? • If so, do curricular or other improvements/	YES_X	NO	QUALIFIED Y/N		

	rectly address goals for st		X NOQUAI	LIFIED Y/N	
	urricular changes continue s in program assessment.	e to be made to improve stude	ent learning. An updated a	ssessment plan (Fall 2015) will	
SUMMARY	Strengths		Areas for Impr	rovement	
_X A specific plan for assessment is in placeX Student learning goals are well-articulatedX Assessment methods are clearly describedX Assessment methods are appropriately selected 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 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.)		
We realize that adoption in Fal there will be se	l 2015 to include changes	commendations: e assessment plan for student to improve methods of stude or the M.S. and Ph.D. program	nt learning assessment. At		
Annual a Assess X Previo	l assessment report report ment plan (as posted) us assessment review lease describe)				
Reviewer(s):	Name Department Phone Number e-mail	Devon Hansen Geography 7-4587 devon.hansen@und.edu	Bradley Myers Law School 7-2228 myers@law.und.edu		
	Section 2: _Y	Section 3: _Q Sect	ion 4: _Y		
Q	that assessment is a cyclic = qualified yes as action of appropriately done	oriately and well (bearing in ral process, i.e., with addition or progress is apparent; hower it was done at all, or it is no	al kinds of data to be colle ever, evidence is lacking th	ected in other years) nat this is completely and	