

olorado Academic Program Assessment Report for AY 2017-2018

(Due: June 1, 2019)

Program:Biology
Date report completed:24 May 2019

Completed by:__Moussa M. Diawara_____

Assessment contributors (other faculty involved):

Please describe the 2017-2018 assessment activities and follow-up for your program below. Please complete this form for <u>each undergraduate major</u>, <u>minor</u>, <u>certificate</u>, <u>and graduate program</u> (e.g., B.A., B.S., M.S.) in your department. Please copy any addenda (e.g., rubrics) and paste them in this document, save and submit it to both the Dean of your college/school and to the Assistant Provost as an email attachment before June 1, 2018. You'll also find this form on the assessment website at https://www.csupueblo.edu/assessment-and-student-learning/resources.html. Thank you.

I. Assessment of Student Learning Outcomes (SLOs) in this cycle. Including processes, results, and recommendations for improved student learning. Use Column H to describe improvements planned for 2018-2019 based on the assessment process.

A. Which of the	B. When	C. What	D. Who was	E. What is	F. What were	G. What were the	H. What changes/improvements
program SLOs	was this	method was	assessed?	the	the results of the	department's	to the <u>program</u> are planned
were assessed	SLO <u>last</u>	used for	Please fully	expected	assessment?	conclusions about	based on this assessment?
during this	assessed?	assessing the	describe the	achievement	Include the	student	
cycle? Please	(semester	SLO? Please	student	level and	proportion of	performance?	
include the	and year)	include a copy	group(s) and	how many	students		
outcome(s)		of any rubrics	the number	or what	meeting		
verbatim from		used in the	of students	proportion	proficiency.		
the assessment		assessment	or artifacts	of students			
plan.		process.	involved.	should be at			
				that level?			
1) Students will	AY 2018-	ETS Biology	All Biology	Biology	43.8% (14/32) of	The % of our	We will continue to have
develop a	2019	MFAT (Major	majors	majors	Biology seniors	seniors scoring	freshmen and seniors take GRE
broad-based		Field	enrolled in	enrolled in	in Spring 2018	over 50%	and compare these scores.
knowledge of		Assessment	BIOL 493	BIOL 493	BIOL 493 scored	nationally was	
concepts and		Test)	Senior	Senior	over 50%	lower in 2018	
terminology in			Seminar for	Seminar will	percentile	compared to 2817	
molecular,		We also	Spring 2019	have mean	nationally. One	(45.9% v. 55%).	
cellular,		administered		score <u>></u>	or our seniors	Overall, the 2019	
organismal and		the same GRE		50%th	scored in the	scores are below	

ecological		to both First		percentile	98%, and 12.5 %	those of Spring	
biology.		Year Seminar		nationally.	(4/32) scored at	2018. One possible	
5.0.087.		(BIOL 171) and		inderoriany.	90% or above.	explanation for this	
		Senior Seminar			The average	difference might be	
		(BIOL 493)			percentile for all	the fact that	
		students and			32 Biology	Biology major and	
		compared their			seniors in BIOL	the new Wildlife	
		scores.			493 was 45.9%.	Major course	
		300103.			755 Was 75.570.	requirements are	
					The average GRE	different. The	
					score for 61	department will	
					freshmen in	examine this	
					BIOL 171 was	discrepancy at our	
					27.6%, while the	fall retreat.	
					seniors in BIOL	Tan recreat.	
					493 scored at	Analysis of the GRE	
					45% average.	scores for our	
					4570 average.	seniors showed	
						that Biology majors	
						did better in	
						molecular and	
						Wildlfe majors	
						scored higher in	
						organismal.	
4) Students will	AY 2018-	Two different	32 Biology	The	Form a):	0.00111011	
demonstrate	2019	evaluation	students in a	department	Each of the 32		
critical thinking		forms were	section of	currently	presentations in		
and problem		used to assess	BIOL 493	does not	BIOL 493		
solving skills		this: Form a)	Senior	have a	Seminar were		
using		BIOL 493	Seminar in	formal	evaluated by		
experimental		Research	Spring 2019	achievement	faculty and		
design and the		Seminar	, 0	level defined	senior students.		
scientific		Evaluation,		for the two	The average		
method.		completed by		evaluations	faculty score for		
		faculty,		listed in	these		
		students, as		colum C.	presentations		

	well as any	was 87.5% and	
	audience	the average	
	member	student score	
	attending the	was 97.7%,	
	presentation;	showing almost	
	and Form b)	a whole letter	
	SLO4-BS in	grade	
	Biology	discrepancy. This	
	Program	was consistent	
	Assessment,	with last year's	
	completed by	trend.	
	faculty only.		
	(see attached);	Form b): A total	
		of 201	
		evaluations were	
		completed by 3-	
		8 faculty	
		members who	
		attended	
		presentations by	
		45 students in	
		BIOL 493 Senior	
		Seminar in fall	
		2018 and spring	
		2019. The	
		majority of these	
		evaluations	
		found our	
		students to be	
		proficient (53%)	
		or excellent (41).	
		However, 23	
		students (11.4%)	
		were	
		developmental.	
		The limations of	
L			

		this assessment are two-folds: 1) It is unclear how many faculty evaluated each of the 45 seniors; and 2) the same faculty did not evaluate all seniors, so we do have consistency in the results.	
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Comments on part I:

II. Closing the Loop. Describe at least one data-informed change to your curriculum during the 2017-2018 cycle. These are those that were based on, or implemented to address, the results of assessment from previous cycles.

A. What SLO(s)	B. When was this	C. What were the	D. How were the	E. What were the results of the changes? If
did you address?	SLO last assessed to	recommendations for change	recommendations for	the changes were not effective, what are the
Please include	generate the data	from the previous	change acted upon?	next steps or the new recommendations?
the outcome(s)	which informed the	assessment?		
verbatim from	change?			
the assessment	Please indicate the			
plan.	semester and year.			

Comments on part II: