2016-2017 Assessment Update for:

School of Psychology: Bachelor's of Science School of Psychology: BS in Psychology

Program Purpose

The mission for the undergraduate degree in Psychology is to promote Psychology as a science and to prepare the undergraduate, through foundational courses and baccalaureate level courses and experiences, for advanced education in professional schools and in graduate psychology programs.

Responsibility and Implementation Process

In 2016-2017, we initiated a significant review and redesign of our process for evaluating student learning outcomes for our undergraduate Psychology majors. This involved creating a new faculty "working group" which met for 4 hours to clarify our program goals and design a new assessment plan. During two regular faculty meetings, we shared the proposed plan with the full faculty to collect their input. We also had our plan reviewed by an expert in educational evaluation and made adjustments based on her recommendations.

Our Assessment Plan and specific learning targets are informed by the excellent <u>American Psychological Association Guidelines</u> (2.0, 2013) for performance by undergraduate Psychology Majors. This year's report includes the new Assessment Plan, the results of our first year of learning outcome data, and improvements to the plan for 2017-2018.

2016-2017 Faculty Working Group: R. Engle, R. Catrambone, C. Hertzog, E. Schumacher, J. Singleton, D. Spieler, C. Stanzione

The undergraduate coordinator is responsible for:

- Implementing and overseeing the evaluation data collection process
- Convening the faculty for a regular report and discussion of student progress toward our program goals
- Sharing (de-identified) student learning outcome data with our students to convey our learning goals and expectations
- Implementing curriculum changes that may result from this faculty-guided process.

The School Chair is responsible for making budgetary or personnel changes that may need to occur in response to the ongoing assessment results.

Operational Objectives

In 2016-2017, the operational objectives for the undergraduate program in the School of Psychology, include:

One content-focused student learning goal

• (1) Describe key concepts, principles, and overarching themes in psychology

Three skills-based student learning goals

- (2.1) Use scientific reasoning to apply principles of research design
- (2.2) Use scientific reasoning to interpret data characterizing psychological phenomena
- (2.3) Demonstrate psychology information literacy in a written format

One undergraduate program organizational goal

• (3) Improve our School's evaluation methods for measuring and monitoring student learning outcomes in the undergraduate program

The attached Table outlines the specific learning goals, the results for 2016-2017, and improvements to be implemented for 2017-2018.

Update Author (5/23/2017):

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Callaga	Degree			
College:	Degree			
Sciences	Program:			
School:	Bachelor of			
Psychology	Science in			
	Psychology			
	, Year: 2016-			
	2017			
	2017			
Student	Implementati	Assessment	Assessment	Use of Results
		Criteria and		
Learning	on/		Results (Findings)	(Modifications,
Outcomes	Action Steps	Evaluation		Improvements,
		Methods		Accomplishments
(1) Describe	1.1 Through	METHOD 1: We see	METHOD 1 RESULTS:	We are pleased that 9 out
key	foundational courses, students	the merits of an "exit exam" on Content	10 out of 12 graduating seniors voluntarily	of 10 Spring 2017 seniors scored above the 80 th
concepts,	will use basic	Knowledge such as	completed the ETS two-	percentile on a nationally
principles,	psychological	ETS' Major Field Test	hour exam. Out of 10	normed test of
and	terminology,	in Psychology (140	students, 6 scored above	Psychology for
	concepts, and	MC item test with	the 90 th percentile; 3	Undergraduates.
overarching	theories in	national comparative	scored between 80-89 th	
themes in	psychology to explain behavior	data). In Spring 2017, we piloted this exam	percentile; 1 was in the 43 rd percentile.	In the coming year, we will look at the ETS results
psychology	and mental	with our graduating	Scheduling conflicts	in more detail, including
	processes	seniors.	prevented us from getting	how our students
			100% of our graduating	performed on specific
		METHOD 2: All	seniors.	content areas, and
		Psychology majors		whether we can pull
		complete a Capstone	Spring 2017: Implement	specific test items that
		Experience in their last year of the	Rubric for Capstone and Senior Thesis	align with our research design and data analysis
		program. Either it is a		learning objectives.
		stand-alone course	METHOD 2 RESULTS:	
		(PSYC 4031) or they	SPRING 2017: 6 Senior	We will also set up more
		design and conduct a	Theses, 12 Capstone	testing times in Fall 2017
		Senior Research Thesis (PSYC	students Rubric Maximum Score is	and Spring 2018 to try to reduce schedule conflicts.
		4600+4601). We have	30 (5 categ. X 6 pts).	reduce schedule connicts.
		established a	20 points = Satisfactory	
		standard grading	(Avg=4)	
		rubric for the Faculty	25 points = Very Good	We are pleased that all of
		supervisors of these	(Avg=5)	our Senior Thesis and
		Capstone experiences.	30 points = Outstanding (Avg=6)	Capstone students produced at least a
		Senior Thesis and	1,118-01	Satisfactory product. We
		Capstone Rubric	SENIOR THESIS RESULTS:	would like to see more
		(adapted from	30, 26, 25, 24, 23, 21	Senior Thesis students in
		Haggerty et al, 2011)	Average: 24.8	the Very
		includes 5 categories,	CADSTONE DESULTS (12	Good/Outstanding
		rating scale 1-6: 1 (unsatisfactory), 3	CAPSTONE RESULTS (12 students, divided into 3	(averaging 5 or 6 on the rating scale). We will
		(marginal), 4	groups):	discuss this at Fall faculty
		(satisfactory, 6	Average: 23.2	meeting. As we evaluate a
		(outstanding)		few more cohorts, we will
		5 categories:	100% of our Senior Thesis	also be able to determine
		Research Question,	students produced at	

F				
		Method/Developmen	least a satisfactory Senior	our satisfaction with the
		t, Method/Implementat	Thesis. 50% averaged at least 5 points (Very Good)	rubric itself.
		ion,	on the ratings. One	
		Conclusions/Implicati	student had a score of 30	
		ons,	(Outstanding "6" in all 5	
		Writing	categories)	
		witchig	The Capstone Projects	
			were rated between	
			Satisfactory (4) and Very	
			Good (5)	
(2.1) Use	Our students build	METHOD 1:.	METHOD 1 RESULTS:	Fall 2017: Working Group
	their ability to apply	The specific skills	Spring 2017: Process	develops Embedded
scientific	principles of	outlined in 2.1.1,	Planning	Questions
reasoning to	research design	2.1.2, and 2.1.3 are		Implementation during
apply	through nearly all	assessed by		Final Exams Fall 2017
	of their courses and	embedding 2		
principles of	Capstone	questions each that		
research	experience.	will appear together		
design	Students will:	as 6 questions on the		
-		final exam in the		
	2.1.1 Describe the	following advanced		
	fundamental	courses typically		
	principles of	taken in 3 rd or 4 th		
	research design	year: PSYC 4011		
		Cognitive Psychology,		
	2.1.2 Evaluate the	PSYC 4041 Sensation		
	effectiveness of	& Perception, and		
	specific research methods in	PSYC 4025 Learning &		
	addressing a	Memory. All Majors will take at least one		
	research question	of these advanced		
	research question	courses before		
	2.1.3 Apply	graduation.		
	knowledge of	Instructors of these		
	research skills	three courses will		
	necessary to be an	work with the		
	informed consumer	Instructor for PSYC		
	of research or critic	2015 (Research		
	regarding	Methods) to		
	unsupported claims	coordinate similarity		
	about behavior	in the depth of how		
		these skills are		
		demonstrated within		
		these three		
		Psychology Domains.		
			METHOD 2 RESULTS:	METHOD 2:
		After Final Exams,	SPRING 2017: 6 Senior	100% of the 6 Senior
		Instructors of the 3	Theses, 12 Capstone	Theses rated Satisfactory
		core courses will	students	or higher in
		submit aggregated and de-identified	Student Ratings for	Methodology/Developme
		performance scores	Methodology/Developme	nt (Research Design); 90% scored a 5 or higher.
		for all psychology	nt Category (1-6, see	Capstone Projects
		majors on these 6	above):	averaged nearly "Very
		items, according to an	Senior Thesis Results:	Good" (4.7)
		agreed-upon scoring	6, 5, 5, 5, 5, 4	As we evaluate a few
		rubric.	-, -, -, -, -, -, -, -, -, -, -, -, -, -	more cohorts, we will also
L			1	ore conores, we will also

			Capstone Results (12	be able to determine our
			students average): 4.7	satisfaction with the
		METHOD 2: All	Students average, 4.7	rubric itself.
		Psychology majors		
		complete a Capstone		
		Experience in their		
		last year of the		
		program. Either it is a		
		stand-alone course		
		(PSYC 4031) or they		
		design and conduct a		
		Senior Research		
		Thesis (PSYC		
		4600+4601). We use		
		a standard grading		
		rubric for the Faculty		
		supervisors of these		
		Capstone experiences		
		that evaluates		
		learning objective 2.1.		
(2.2) Use	2.2.1 Develop		METHOD 1 RESULTS:	
scientific	plausible behavioral	METHOD 1: Specific	Spring 2017: Process	Fall 2017: Working Group
	explanations that	Assessment of the	Planning	develops Embedded
reasoning to	rely on scientific	skills outlined in		Questions,
interpret	reasoning and	2.1.1, 2.1.2, by		Implementation during
data	evidence rather	designing 2 questions		Final Exams Fall 2017
characterizin	than anecdotes or	each that will appear		
characterizin	pseudo-science.	together as 4		
g	2.2.2 Internet	questions on the final		
psychologica	2.2.2 Interpret	exam in the following advanced courses		
l phenomena	complex statistical findings and graphs	typically taken in 3 rd		
1 prichomenu	in the context of	or 4 th year: PSYC 4011		
	their statistical	Cognitive Psychology,		
	significance,	PSYC 4041 Sensation		
	including the	& Perception, and		
	influence of effect	PSYC 4025 Learning &		
	size, and explain	Memory. All Majors		
	these findings using	will take at least one		
	common language.	of these advanced		
		courses before		
	2.2.3 Observe and	graduation.		
	participate in	Instructors of these		
	ongoing laboratory	three courses will		
	research activity to	work with the		
	experience how	Instructor for PSYC		
	psychological data	2020 (Research		
	are collected,	Statistics) to		
	analyzed, and	coordinate similarity		
	interpreted. (See	in the depth of how		
	METHOD 3 ONLY)	these skills are		
		demonstrated within		
		these three		METHOD 2, 1000/ of the C
		Psychology Domains.	METHOD 2 RESULTS: SPRING 2017: 6 Senior	<u>METHOD 2</u> : 100% of the 6 Senior Theses were
		After Final Exams,	Theses, 12 Capstone	Satisfactory ("8") or
		Instructors of the 3	students	higher in
		core courses will	JUUCIUS	Methodology/Implement
	1		l	methodology/inplement

		1		1
		submit aggregated	Combined Student	ation +
		and de-identified	Ratings for 2 categories	Conclusions/Implications
		performance scores	(12 maximum points; 8 is	(Interpreting Data); Only
		for all psychology	Satisfactory):	2 out of the 6 students
		majors on these 4	Methodology/Implement	averaged a 5 or higher.
		items, according to an	ation	Capstone Projects
		agreed-upon scoring	Conclusions/Implications	averaged closer to
		rubric.		"Satisfactory" (4.3)
		rubric.	Category (1-6, see above):	Satisfactory (4.5)
				The set for the set of the set
		METHOD 2: All	Senior Thesis Results:	These findings will be
		Psychology majors	12, 10, 9, 9, 9, 8	discussed with our faculty
		complete a Capstone	•	group to determine how
		Experience in their	Capstone Results (12	to strengthen the data
		last year of the	students Average): 4.3	interpretation skills of our
		program. Either it is a		students.
		stand-alone course		
		(PSYC 4031) or they	METHOD 3 RESULTS:	METHOD 3: We aimed to
			In Spring 2017, 24 of our	have 80% of our students
		design and conduct a		
		Senior Research	97 majors are enrolled in	participate in research
		Thesis (PSYC	PSYC 2699/PSYC 4699	(beyond Senior Capstone)
		4600+4601). We will	Undergraduate Research	before they graduate, and
		establish a standard	Experience.	the results show that
		grading rubric for the		100% of Fall 2016 and
		Faculty supervisors of	In Fall 2016, 29 of our 97	Spring 2017 students
		these Capstone	majors were enrolled in	have done so.
		experiences that	PSYC 2699/PSYC 4699	
		evaluates learning	Undergraduate Research	We also set up an online
		•		-
		objective 2.2.	Experience.	listing of all
				undergraduate research
			Of the 12 graduating	assistant openings in
			seniors in Spring 2017,	Psychology labs to
			100% were enrolled in a	continue promoting lab
			Psychology	placements.
			undergraduate research	
		METHOD 3: All	experience at least once.	
			For Fall 2016, out of 8	
		Psychology majors	,	
		are strongly	graduating, the	
		encouraged to gain	percentage was 100%	
		hands-on research		
		experience through		
		undergraduate		
		research		
		assistantships in our		
		Faculty's research		
		labs. We aim to have		
		80% of our		
		graduating seniors		
		participate in an		
		undergraduate		
		research experience		
		(including Senior		
		Research Thesis) in a		
		Psychology		
		laboratory.		
(2.3)	2.3.1 Read and	METHOD 1: All	METHOD 1 RESULTS:	METHOD 1: 5 out of the 6
Demonstrat	summarize complex	Psychology majors		Thesis earned a
Demonstrat	ideas accurately,	complete a Capstone		Satisfactory or higher

е	including the future directions, from	Experience in their last year of the	SPRING 2017: 6 Senior	rating for Writing, with a
psychology	psychological	program. Either it is a	Theses, 12 Capstone students	majority getting 5 or 6 rating. One thesis was
information	sources and	stand-alone project-	students	deemed "marginal" (3) in
literacy in a	research	based course (PSYC	Student Ratings for	writing. Capstone Projects
written		4031) or they design	Writing	had strong writing
	2.3.2 Construct	and conduct a two	Category (1-6, see above):	evaluations (Avg=5).
format	arguments clearly	semester Senior	Senior Thesis Results:	
	and concisely using	Research Thesis (PSYC	6, 6, 5, 5, 4, 3	
	evidence-based	4600+4601). For students in	Capstone Results (12	
	psychological concepts and	Capstone, their final	Students Average): 5	
	theories from	written product will		
	appropriate	be evaluated by the		
	information sources	Capstone and Lab Instructors (2		
	2.3.3 Employ APA	evaluators) according		
	writing style and	to a standard grading		
	clear, grammatical	rubric that includes		
	for communicating	performance		
	Psychological	expectations for		
	Findings to a professional	2.3.1, and 2.3.2 and 2.3.3.		
	audience	2.3.3.		
		Students completing		
		a Senior Research		
		Thesis will have their		
		final written work		
		evaluated by their		
		Research advisor and a second faculty		
		reader. The grading		
		rubric evaluates the		
		students' writing.		
(3.3)	ln 2016-2017 we	METHOD 1: Our	METHOD 1 RESULTS:	The School of Psychology
Improve our	ramped up our	faculty working group	Spring 2017: Process	has invested significant
School's	assessment plan to	has met several times	Planning Completed	time and attention to
	evaluate the quality of our	to discuss learning		evaluating student
evaluation		goals and developed this document and		learning outcomes this year. It is a healthy
methods for				
measuring	whether we are	We also received		good discussion amongst
and	meeting the	feedback from faculty		our faculty. We have our
	learning goals we	who are more expert		first set of results and
0		in OATS	METHOD 2 RESULTS:	look forward to
	-			
•	iildjuis.			
outcomes in	3.3.1 Establish a			
the	working group of	METHOD 2: The	Final Exams Fall 2017	to faculty and students.
undergradu	Psychology Faculty	undergraduate		
-	to establish and	coordinator will		
	monitor key	convene relevant	METHOD 3 RESULTS:	
	our students			
	3.3.2 Coordinate	-		
	key instructional	(2) learning goals.		
and monitoring student learning outcomes in	meeting the learning goals we set out for our undergraduate majors. 3.3.1 Establish a working group of Psychology Faculty to establish and monitor key learning goals for our students 3.3.2 Coordinate	feedback from faculty who are more expert in OATS documentation and have incorporated it here. <u>METHOD 2:</u> The undergraduate coordinator will convene relevant faculty to develop the Embedded Questions for specific assessment of (1) and	Planned for Fall 2017: Working Group develops Embedded Questions, Implementation during Final Exams Fall 2017	our faculty. We have our first set of results and look forward to continuing this process, revising, and communicating our results and expectations

and the 3 core advanced courses (Cognitive Psychology, Learning & Memory, Sensation & Perception)Senior Thesis projects organizing files related to OATS monitoring and faculty sharing of materials such as Rubrics, etc.METHOD 4: roganize procedures for submitting and aggregating the data each semester.DropBox site for organizing files related to OATS monitoring and faculty sharing of materials such as Rubrics, etc.

Submitted 5/24/17 by Jenny Singleton, Associate Chair, School of Psychology