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Assessing and Documenting Achievement of Student Learning Outcomes at the Student, Course, Class, Program, and Institutional Levels

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Introduction

This presentation will demonstrate a process that institutional researchers can utilize to document achievement of Student Learning Outcomes (SLOs) at the individual student, course, class, program, and institutional levels. Examples of assessment tools used to measure student achievement of SLOs at the course, program, and institutional levels will be presented. The presentation will illustrate how individual student and class achievement results can be presented in an institutional dashboard. In addition, we will demonstrate how this outcomes' assessment process can be used to improve curricula, instructional effectiveness, and student learning at the course, program, and institutional levels.

Stages

- •Stage One: Meet with faculty to help them determine appropriate assessments for SLOs; keep this process simple by helping them identify what they are already doing naturally in their classes.
- Stage Two: Retrieve and compile these data through specific exam questions, from rubrics used to grade student work, etc.
- •Stage Three: Display the results at the corresponding proficiency levels to paint a clear picture of students' SLO performance at each level of assessment.
- •Stage Four: Dashboard presentation helps faculty identify areas of student success in achieving SLOs as well as areas for improvement in curricula, instruction, assessment, and student learning at all five levels of assessment.

Stages One and Two

Student Learning Outcomes and Program Learning Outcomes for by this Course:

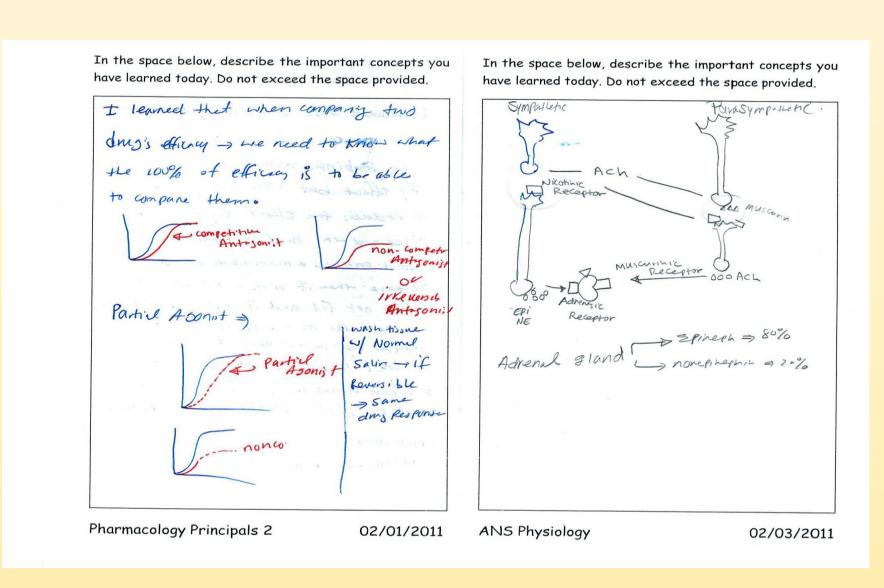
No.	Student Learning Outcomes	CNCP	ACPE	CAPE	Learning	Assessmen
		PLO	Standard	Supplement	Hierarchyc	t Method d
			Addressed ^a	al Standards	, , ,	
			/ tadi essed	b		
1	Describe and discuss the anatomy	2.2, 3.1,	1.A.1	1.1.1.	1, 2	iRAT, tRAT,
	and physiology of the appropriate	9.1			,	MT, BAT,
	organ system.	512				Essay,
						RUB,
						,
						PRES,
						PROJ
2	Describe the pathophysiology of	2.2, 3.2,	1.A.5.,	1.1.1.	1, 2, 3	iRAT, tRAT,
	major the major	9.1	2.1.2			MT, BAT,
	diseases/disorders of the					Essay,
	appropriate organ system. Use					RUB,
	this information to identify					PRES,
	,					,
	therapeutic drug targets.					PROJ
3	Describe the mechanism of action	2.2, 3.3,	2.B.1.,	1.1.1.,	1, 2, 3	iRAT, tRAT,
	and the adverse effects of the	4.1, 4.2,	2.B.2.,	6.1.1.,		MT, BAT,
	medications used to treat the	9.1	2.B.4.,	7.1.1.a,		Essay,
	major disorders being discussed.		2.B.5.,	7.1.1.b,		RUB,
			2.C.5,	7.1.1.c		PRES,
			2.D.1.,	711110		PROJ
			,			FIXOJ
			2.E.1.			

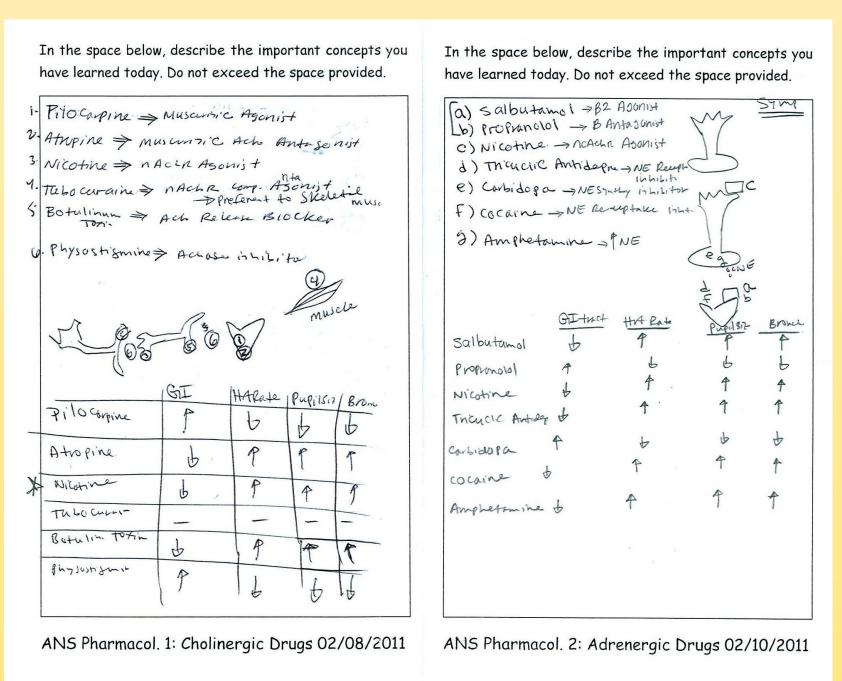
Stages One and Two

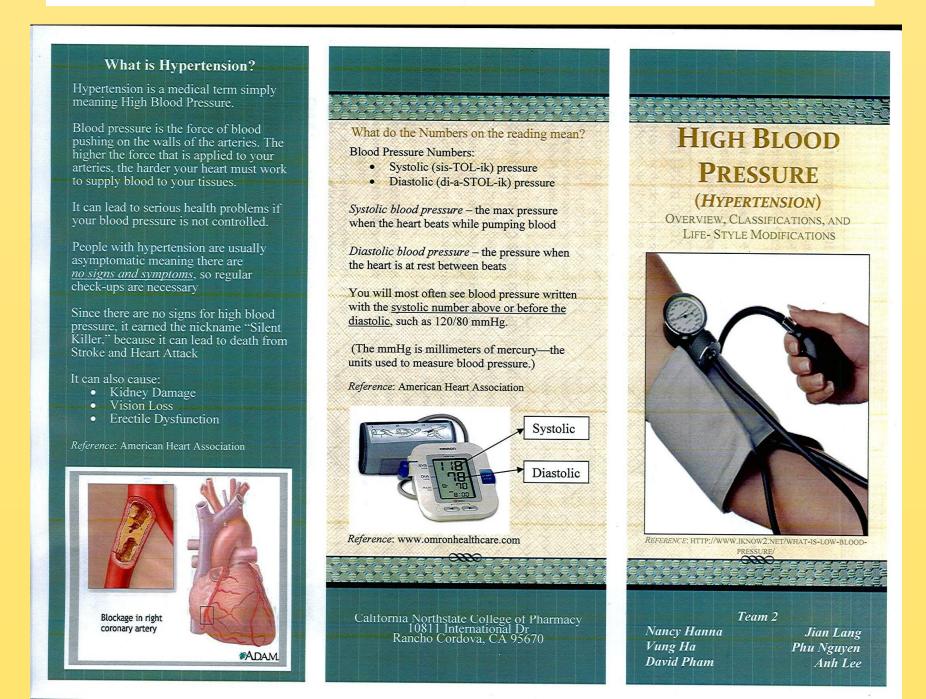
Samples of Evidence of Student Learning (student work that is evaluated by rubrics)

SLO 1. Describe how the anatomy and physiology of the appropriate organ system relate to each other.

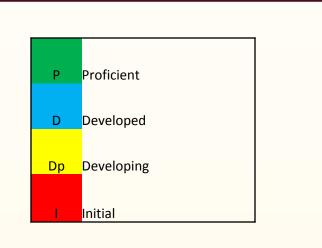
Indicators	Initial	Developing	Developed	Proficient	
escribe the anatomy of Rarely demonstrates		Demonstrates a	Demonstrates an	Demonstrates an accurate	
the organ system being	ne organ system being an understanding of pa		understanding of the	understanding of the anatomy	
presented in class.	the anatomy of the	of the anatomy of the	anatomy of the organ	of the organ system being	
	organ system being	organ system being	system being discussed in	discussed in class.	
	discussed in class.	discussed in class.	class. Does not		
		Explanations are	demonstrate an ability to		
		often not accurate.	fully integrate the		
			function of the various		
			parts of the organ system		
			to one another.		
Describe the physiological	Rarely demonstrates	Demonstrates a	Demonstrates an	Demonstrates an accurate	
functions of the organ	an understanding of	partial understanding	understanding of the	understanding of the	
system being presented in	how the organ	of the functions of	physiological functions of	physiological functions of the	
class.	system being	the organ system	the organ system being	of the organ system being	
	discussed in class	being discussed in	discussed in class but	discussed in class, and can	
	functions.	class, and sometimes	cannot always relate the	relate the function to the	
		relates the function	function to the anatomy.	anatomy.	
		to anatomy.			



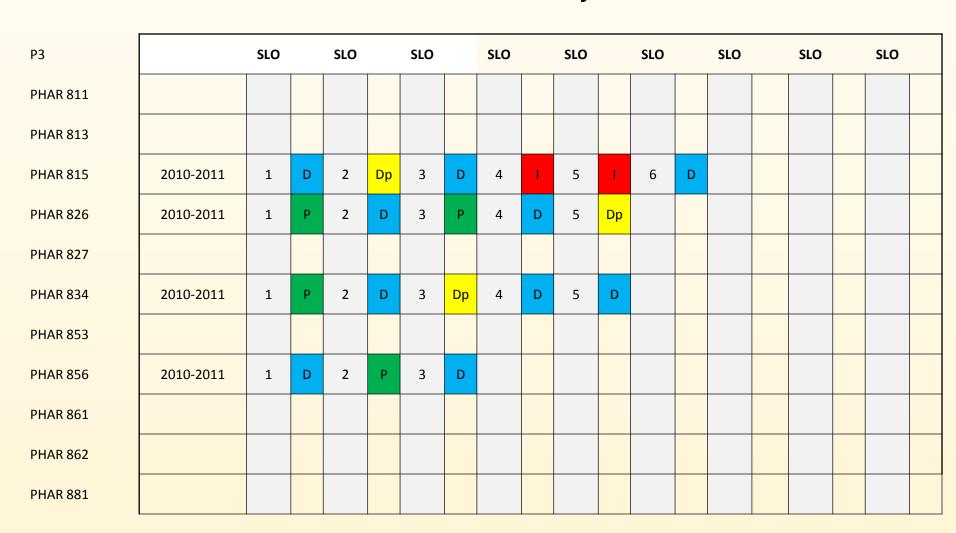


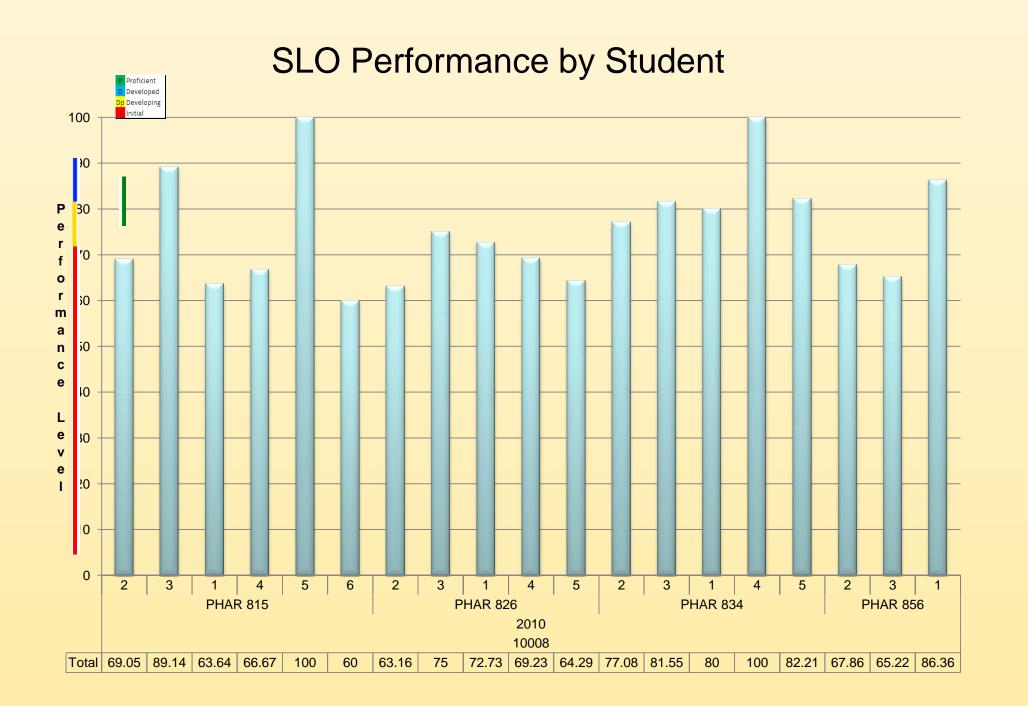


Stages Three and Four

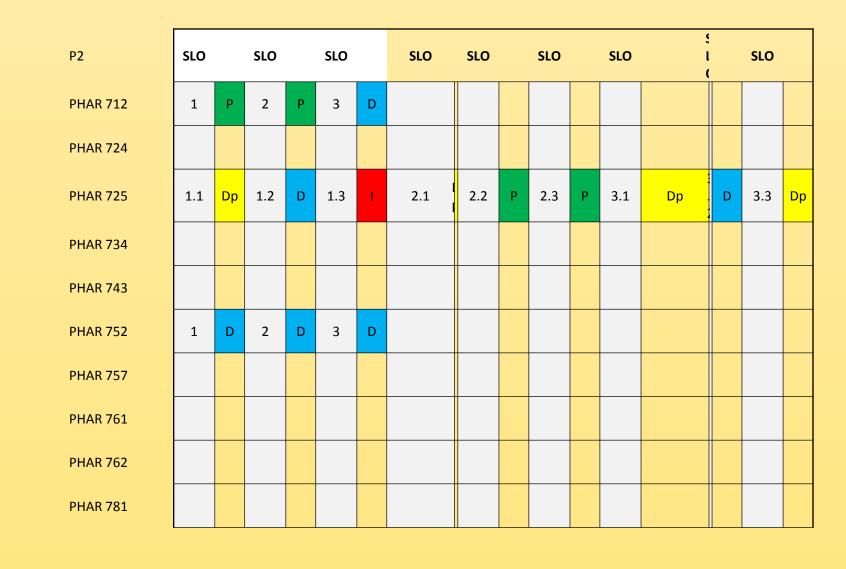


SLO Performance by Student



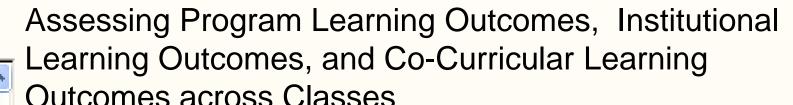


Class of 2013 Student Learning Outcomes' Performance

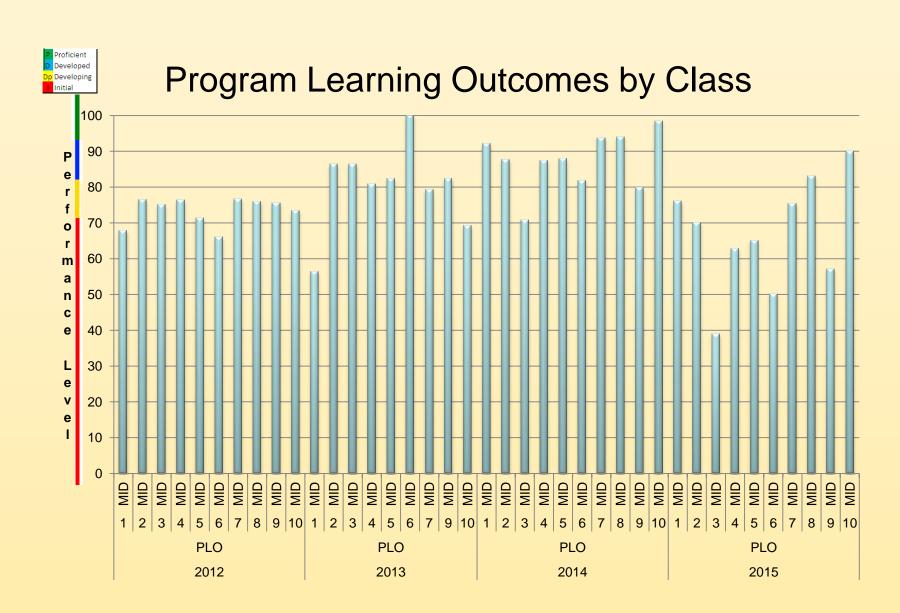




Stages Three and Four







Conclusion

The dashboard presentation of SLO data allows faculty to identify areas for the following:

- Additional and/or enhanced opportunities for students to gain proficiency (through assignments and activities)
- Increased or enhanced feedback to students regarding SLO performance at various levels
- •Improved delivery of course content and curriculum
- •Improved assessments and triangulation of data

References

"Levels of Assessment: From the Student to the Institution." Ross Miller and Andrea Leskes.
Association of Colleges and Universities: 2005.