

Canvas Outcomes and SLO Assessment

Friday SLO Talk: April 14, 2023

Presented by the
“Canvas & SLO Assessment” subgroup assembled
from the Friday SLO Talks

COACHes



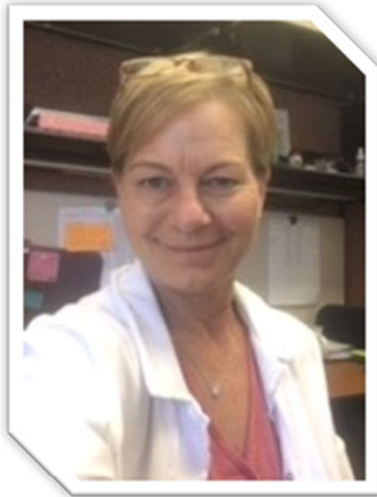
CALIFORNIA OUTCOMES
ASSESSMENT COORDINATORS HUB



Agenda

- Baseline Considerations
 - Collaborations
 - Considerations for adoption
 - Curriculum mapping
- Canvas Outcomes and Architecture
 - Demonstration
 - Faculty support
 - Guidelines for consistency
- Making Sense of the Data
 - Formatting exported Canvas data
 - Demonstration: PowerBI
 - Next steps including disaggregation and DEI considerations
- Audience Discussion and Feedback
- Outstanding Topics

Presenters & Contributors



- Sarah Chitwood, Virginia Western Community College (VA)
- Michele Dunbar, California State University, Dominguez Hills (CA)
- Alexandra Heuer, Tulane University (LA)
- Bernice Houle, Tulane University (LA)
- Benny Ng, Los Angeles Pierce College (CA)



“Canvas & SLO Assessment” Subgroup

2-Year and 4-Year Institutions from across the United States

2-Year Community Colleges:

- Copper Mountain College (Southern CA)
- Los Angeles Pierce College (Southern CA)
- Sierra College (Northern CA)
- Virginia Western Community College (VA)

4-Year Universities:

- Buffalo State University (NY)
- California State University, Dominguez Hills (Southern CA)
- Campbell University (NC)
- Tulane University (LA)
- Touro University (NV)
- University of the Pacific (Northern CA)



“Canvas & SLO Assessment” Subgroup

- Assembled from the Friday SLO Talks via the Chat function!
- Inspired by two previous presentations on Canvas & SLO Assessment:
 - Shannon Jessen, Chaffey College
 - Trisha Wilging, Long Beach Community College District
- “Working group” / Learning Community
- Share work, ideas, resources
- Invite guests to share and demonstrate their work



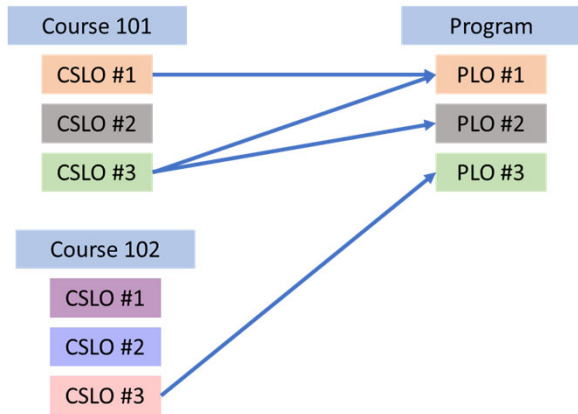
Considerations for Adoption

- Information Technology/Academic Technology infrastructure and relationship
 - Implementation and maintenance – Who is your Canvas admin?
 - Technical training
 - Ongoing tech support for administration and faculty
- Institutional Research Office capacity for partnership
 - Making meaning of the data via data extraction
 - Data dashboards to facilitate use of data by administrators, faculty
- Faculty use and training
 - Faculty buy-in and ease of use (re: workload considerations)
 - Training and ongoing support re: assessment (non-technical)

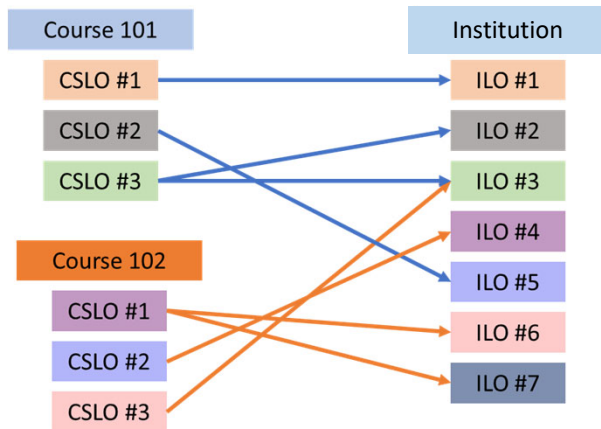


Curriculum Mapping for Canvas Outcomes

While CURRICULUM MAPPING typically occurs at the course level, the mapping in Canvas will occur at the program and/or institutional level



Gather Data



Begin by selecting a program to view the PLOs, then select a PLO. *Tip: Deselect PLO before changing filters above.*

PLO #1	PLO #2	PLO #3	PLO #4	PLO #5
Outcome by Gender				
Demographic Element	Meets Outcome Count	Meets Outcome %	Gaps	Close Gap
Female	422	88%	No Gap	
Male	227	54%	No Gap	
Male	405	83%	Gap	-21
Male	8	62%	Gap	-3
Outcome by Race/Ethnicity				
Demographic Element	Meets Outcome Count	Meets Outcome %	Gaps	Close Gap
Hispanic or American American	22	100%	No Gap	
Hispanic/Latino	221	83%	No Gap	
Hispanic/Latino	391	82%	No Gap	
White	11	79%	No Gap	
White	116	85%	No Gap	
White	187	86%	No Gap	
Outcome by Low Income				
Demographic Element	Meets Outcome Count	Meets Outcome %	Gaps	Close Gap
N	13	81%	No Gap	
N	236	86%	No Gap	
Outcome by Veteran Status				
Demographic Element	Meets Outcome Count	Meets Outcome %	Gaps	Close Gap
N	36	86%	No Gap	
N	481	85%	Gap	-11
N	821	83%	Gap	-140
Outcome by Foster Status				
Demographic Element	Meets Outcome Count	Meets Outcome %	Gaps	Close Gap
N	35	85%	No Gap	
N	479	85%	Gap	-11
N	821	85%	Gap	-146

Microsoft Power BI | 4 of 4

Review Data & Identify Gaps





Canvas Outcomes Setup and Architecture



Types of Outcomes in Canvas

- **Course-Level Outcomes**

- Created within individual courses by faculty.
- Administrative Canvas access not necessary.

- **Institutional-Level Outcomes**

- Outcomes are determined by faculty (Program Outcomes; General Education Outcomes)
- Outcomes are entered into Canvas at the school or program level by a Canvas Administrator (Dean, Coordinator, Instructional Designer, Assessment Coordinator, etc.)
- Required to appear as data in Canvas Outcomes Report



Assessing Outcomes in Canvas

- Three-step process for faculty:
 - Import the institutional-level outcome into the course
 - Attach the outcome to an assignment
 - Score the outcome



Faculty Support

- Supporting faculty is key for success
- VWCC provides its faculty:
 - Workshop sessions during in-service
 - One-on-one assistance
 - Step-by-step instruction documents
 - Reminders throughout the semester



Guidelines for Consistency

- Be aware of SLOs that already exist and which course(s) the SLO will map to before creating it.
- Write a description of the SLO so that others know how it is defined.
- SLOs must be loaded in Canvas at your school's "institutional" level by a Canvas Administrator.

*If a SLO is applied at the course level, the data cannot be exported.



Guidelines for Consistency

- **Use unique labeling for the SLOs**
 - Beware of other department or school SLOs when labeling.
 - Do not give two SLOs the same name. This will be confusing when the data is exported from Canvas.
- **Use a consistent scoring scale**
 - A scale that varies is difficult to compare with others.
 - A consistent scale will streamline the data.
- **Define Mastery* and keep it consistent**
 - When examining percent mastery, the definition of mastery should be consistent across SLOs.

*“Learning Outcome Mastered” is the phrase used by Canvas Outcomes



Canvas Outcomes Setup and Architecture

Demonstration



Canvas Outcomes Setup and Architecture

Q & A



Making Sense of the Data

Data Dashboards & Considerations



Making Sense of the Data

Know your audience and intent

- Who is going to have access to the dashboard?
- How is the dashboard going to be used?
- What questions need to be answered with the assistance of the dashboard?
- Will the dashboard need to be scalable?
 - Additional semesters
 - Additional programs
 - Additional learning outcomes



Making Sense of the Data

What questions do you want answered?

- Given a specific learning outcome, what percent of students obtained mastery?
- What percent of students were in each category/scale (ie: Exceeds Mastery, Mastery, Near Mastery, Below Mastery, No Evidence) of the learning outcome?
- Given a specific learning outcome, which course(s) assessed that learning outcome?
- Which assignment(s) assessed the learning outcome in each course?
- Given a course, which learning outcomes were assessed?



Making Sense of the Data

Explore the Raw Data Exported from Canvas

- What are the fields/columns provided?
- What are the columns/fields needed to answer the questions?
- Does any of the data need to be cleaned up (a.k.a. Data cleansing)?
- What manipulations, if any, to the raw data will need to be made?
- Where/how will the manipulations be made? Excel? PowerBI? Tableau?



Making Sense of the Data

**Canvas Outcomes
Dashboard Demonstration**



Making Sense of the Data

Lessons Learned

- Educate yourself before creating the dashboard:
 - Reach out to the experts in your own community
 - Technical Experts and Department/Program Experts
 - Take advantage of online resources such as LinkedIn Learning
- Dashboard Structure:
 - List the data you will need and what manipulations may need to occur
- Dashboard Layout:
 - The most important information should be the most accessible on the dashboard
 - Consider hierarchical structures and what will visually make sense on the dashboard



Making Sense of the Data

Next Steps

- Expand Filters and Visualizations to assist stakeholders with answering additional questions
 - Add visualizations that show results over time
 - Add filters
 - Mode of delivery
 - Demographics (including those that will help review questions focusing on DEI)
 - Provide information for individual sections
 - Include instructor name
- Clone the dashboard and set it up for Program-based LOs
- Use as prototype to get school/department buy-in



Making Sense of the Data

Q & A



Audience Discussion and Feedback



Discussion Questions for Audience

- What feedback do you have on the data dashboards we demonstrated?
- What data dashboard needs does your campus have?
- What feedback do you have on the Canvas Outcomes setup and architecture we demonstrated?
- What collaborations can you create or leverage on your campus or outside your campus?
- What challenges do you foresee encountering on your campus when trying to setup Canvas for SLO assessment?

Outstanding Topics

- Investigate how scoring and reporting work in the New Quizzes feature that aligns Outcomes within New Quizzes
- Determine if/how to use recently acquired and integrated Badgr within Canvas (e.g., faculty establish requirements for earning badges, if at all)
- Determine if/how Canvas can be used with juried scoring of student work
 - Topic arose in Chat conversation during the January 2023 SLO Symposium
 - We have a group of four people in conversation about this so far
 - Anyone already doing this or interested in exploring it further?
(Add your name & email to this topic list on Padlet or in the Chat for follow-up!)
- Determine how Canvas can be used for integrated assessment across programs or divisions
 - Student Affairs and co-curricular programming, etc.
 - Anyone already doing this or interested in exploring further?
(Add your name & email to this topic list on Padlet or in the Chat for follow-up!)

Presenters & Contributors – Contact Info



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