

Leading the Revision of Campus-Level Student Learning Outcomes: Obstacles and Accomplishments

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Agenda

- Campus-Level Assessment at Rose-Hulman
- Changes Ahead
- Overview of Revision Process
- Obstacles and Accomplishments

Campus-Level Assessment at Rose-Hulman



About Rose-Hulman Institute of Technology

- The mission of Rose-Hulman is to provide our students with the world's best undergraduate science, engineering, and mathematics education in an environment of individual attention and support.
- Appx. 2200 undergraduate students and 100 graduate students
- Student to Faculty ratio: 11:1
- Average class size: 20
- Over 90 student clubs and organizations

Commission on the Assessment of Student Outcomes (CASO)

- Founded in 1996
- Responsible for campus-level student learning outcomes and campus-level assessment plan
 - Campus-level student learning outcomes first approved in 1998
 - Last major revision in 2007
- Responsible for KEEN outcomes (Curiosity, Connections, Creating Value) and KEEN assessment plan
 - CASO spent the past two academic years working on outcomes/criteria and testing rubrics using student artifacts from KEEN courses.

RosEvaluation

- Annual (Summer)
- Faculty raters
- Inter-rater reliability
- Rubrics/Rating Scales
 - AAC&U Written Communication VALUE Rubric
 - Teamwork Rubric
 - Pass/Fail
 - Institutional Outcomes
 - KEEN Outcomes

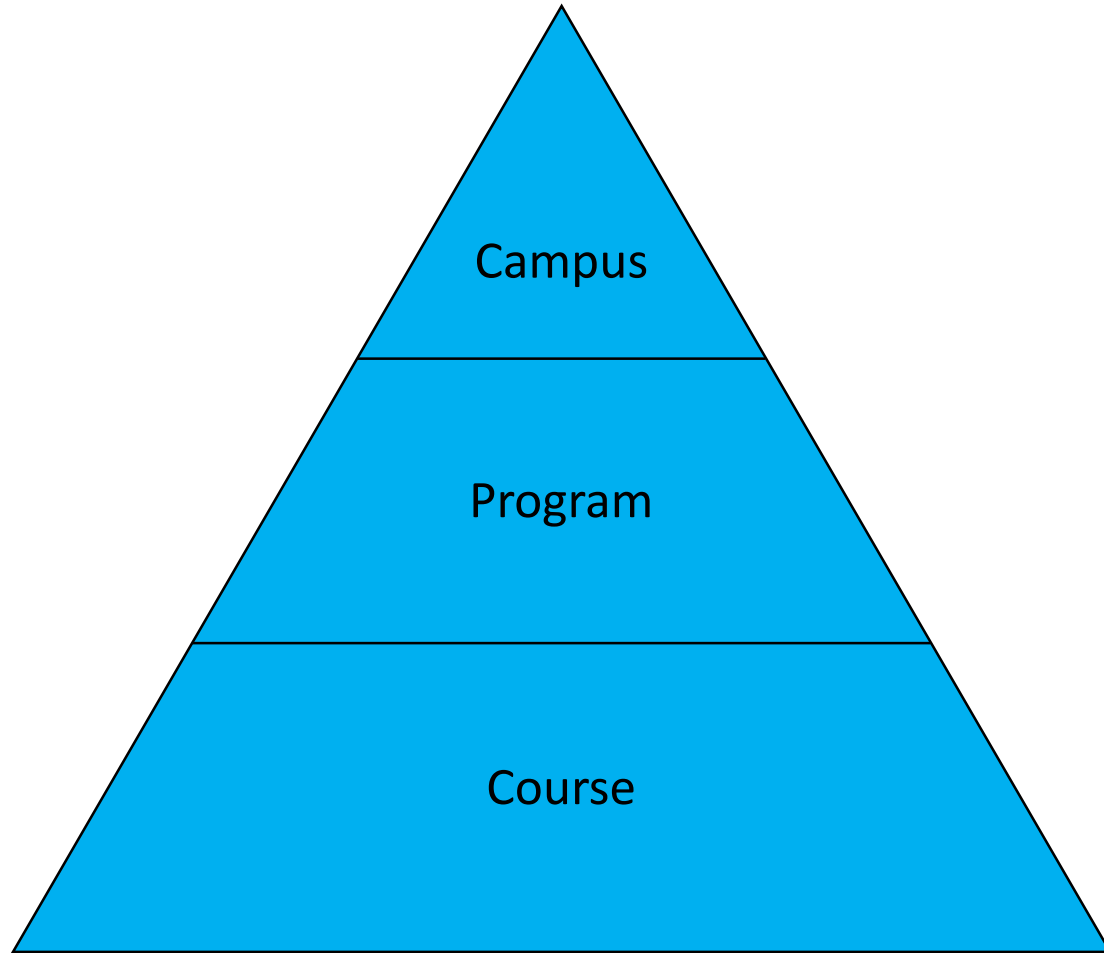




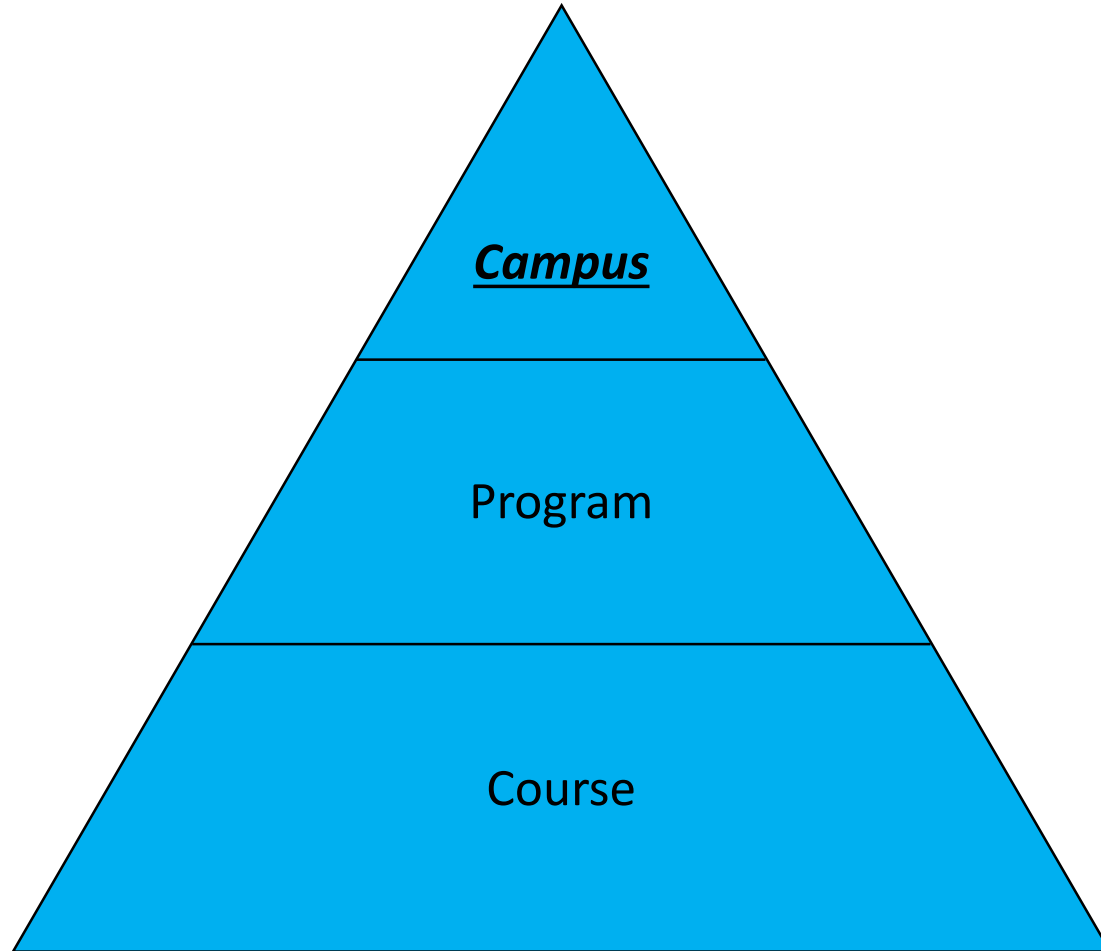


**CHANGES
AHEAD**

Campus-Level Assessment at Rose-Hulman

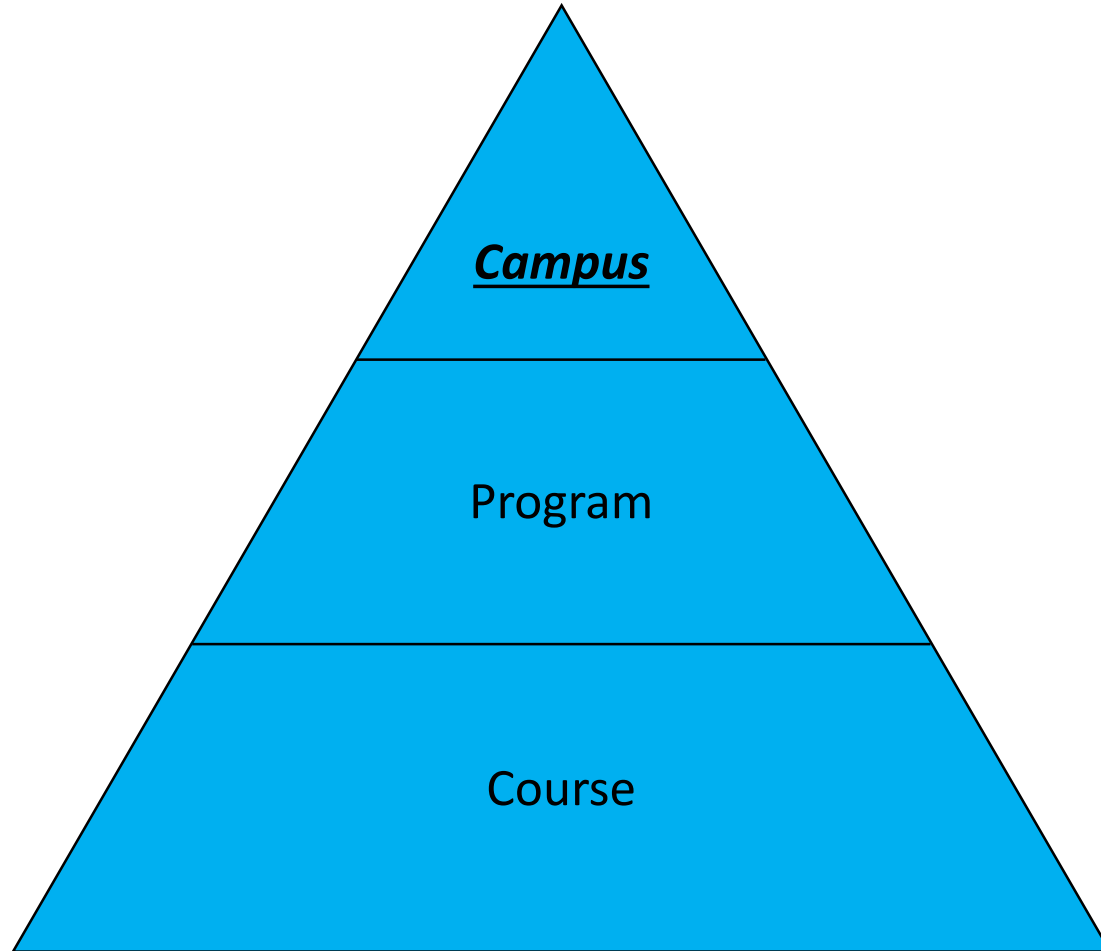


Campus-Level Assessment at Rose-Hulman



- Evidence from student work in courses has been the foundation
- Assess campus-level outcomes in RosEvaluation
 - Teamwork
 - Communication
 - Cultural and Global Awareness
 - Ethics

Campus-Level Assessment at Rose-Hulman



- Areas in need of attention
 - Leadership & Service
 - Teamwork & Communication criteria
 - Co-curriculum
 - ABET changes
 - Inclusion of programs not accredited by ABET

Overview of Revision Process



2017-2018 Goal

- By the end of the 2017-2018 academic year, CASO will submit a draft of new campus-level student learning outcomes

Phase	Quarter(s)	Actions	
I	Fall 2017	Finalized plan for articulating learning outcomes, criteria, primary traits, and potential artifacts.	Reviewed feedback from scholars in learning outcomes assessment and internal stakeholders (e.g., VPAA). Reviewed results from internal surveys and RosEvaluation.
II	Winter 2018	Articulate draft of learning outcomes and criteria.	Reviewed general feedback from department heads.
III	Spring 2018	Revised draft of learning outcomes and criteria; Identified primary traits and potential artifacts.	Reviewed feedback from scholars and practitioners in learning outcomes assessment.
IV	Fall 2018	Revise and finalize learning outcomes, criteria, primary traits, and potential artifacts.	Review feedback from faculty, staff, and students.
V	Winter & Spring 2019	Disseminate finalized learning outcomes and criteria. Work with department heads on outcome and assignment mapping.	

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Phase 1/Fall 2017

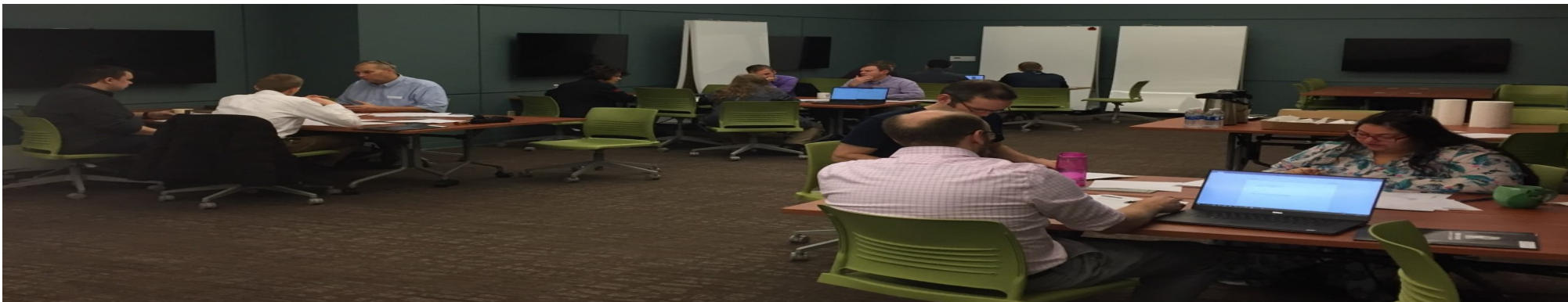
Week	Meetings/Activities
1	
2	Meeting #1 to discuss CASO responsibilities and 2017-2018 charge
3	
4	Meeting #2 to discuss feedback from scholars; Review other campus-level learning outcomes
5	
6	Meeting #3 to review our campus-level learning outcomes, VALUE Rubrics, and ABET criteria
7	
8	Meeting #4 to discuss feedback from internal stakeholders (e.g., VPAA, CCPEO)
9	
10	Meeting #5 to finalize plan for collecting feedback and articulating learning outcomes
EXAMS	

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Team Assignments

- 4 teams of faculty and staff
- Focus of Winter Quarter: Articulating specific and measurable learning criteria
 - Emphasis on higher-order thinking/deep learning
 - Distinguishing various levels (A, B, ...)
- Focus of Spring Quarter: Revising outcomes and criteria; Identifying primary traits and course and co-curricular artifacts



Team Assignments

		TEAM 1	TEAM 2	TEAM 3	TEAM 4
Winter 2018	Meetings 1 & 2	Creative & Critical Thinkers	Investigators	Intercultural & Global Learners	Ethical Professionals
	Meetings 3 & 4	Problem Solvers	Self-Directed Learners	Communicators	Team Members & Leaders
Spring 2018	Meetings 1 & 2	Investigators	Creative & Critical Thinkers	Ethical Professionals	Intercultural & Global Learners
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Feedback

- Meeting with VPAA
- Meeting with Interim Dean of CCPEO
- Meeting with Department Heads
- Findings from Campus Community Report
- Findings from Employer Report
- Findings from Departmental Employer Surveys
- Feedback from Scholars and Practitioners

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Phase IV/Fall 2018

	Week	Meetings/Activities
FALL 2018	1	Meeting #1 to review last year's actions and discuss the plan/process for this academic year.
	2	Meeting #2 to work on outcomes/criteria, primary traits, potential documents, and assessment plan.
	3	
	4	Meeting #3 to work on outcomes/criteria, primary traits, potential documents, and assessment plan.
	5	CASO will hold two open forums to answer any questions about proposed outcomes/criteria instead of holding typical Meeting #4.
	6	
	7	
	8	Meeting #5 to finalize draft of outcomes/criteria.
	9	
	10	CASO will share final draft at institute meeting.
	Exams	

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Obstacles and Accomplishments



Obstacles

- Managing existing campus-level outcomes/assessment plan
- Engaging students in the process
- Overcoming perceptions of outcomes and assessment
- Overcoming CASO member turnover
- Maintaining communication with other committees on campus

Accomplishments

- Generating buy-in from faculty and staff
 - CASO Members
 - Engineering department heads and faculty
 - Non-engineering department heads and faculty (including co-curriculum)
- Using existing data to inform decisions
- Collecting and considering feedback

Balancing Act

- Writing outcomes/criteria general enough to be inclusive of all programs but specific enough to allow for meaningful assessment and reports
- Staying on task while still being flexible/responsive during CASO meetings
- Ensuring new CASO members have a voice but the work of previous CASO members is not ignored
- Being transparent while not overwhelming faculty, staff, and students or engaging them too early in the process



Questions and Insights?

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