Block 1

We appreciate your willingness to review an updated version of our Perceptions of Online Learning Scale (POOLS). In this review, we ask you to review two components of our survey (1) the construct definitions and (2) the items related to each construct.

(1) For reviewing the construct definition, we would like to get your opinion on whether the construct is relevant to online learning. For this purpose, we have provided a response scale of Disagree, Agree, or Needs Revision. We welcome all comments on how to improve our definitions.

(2) For reviewing the items under each construct, we have provided the format we plan to use when administering the instrument. We would like your opinion on whether each statement is an appropriate indicator of the defined construct. For this, we have provided a response option of Disagree or Agree to the side of the actual response scale. Again, any comments on how to improve each statement is welcome.

For each statement, we ask respondents to describe their perceptions of online learning in relation to a more traditional face-to-face learning environment. The response is meant to depend on the individual respondent's experience with both environments of learning. We fully expect that a "it depends" would be the response individuals would give if applicable. However, we want to force respondents to make a relative judgement about these two learning environments. A major part of future research with this scale is to unpack the individual differences in perceptions of online learning based on their prior experience.

We greatly appreciate your willingness to review this survey about perceptions of online learning.

Effective Learning

Construct: Effective Learning
Definition: Effective learning is defined as learning in which students masterfully acquire and utilize relevant new knowledge and/or skills, as witnessed through application and assessment that occur within or outside the immediate classroom.

Does the definition align with your experience of what makes Effective Learning?

○ Disagree
○ Agree
○ Needs Revision

What comments do you have about the proposed definition of Effective Learning?

[   ]

In your experience with traditional face-to-face (F2F) and online learning environments, when you compare F2F to online learning, you perceive that online learning...

	Item Response Format					Expert Rating of Item	
	Definitely less than F2F	Somewhat less than F2F	About the same as F2F	Somewhat more than F2F	Definitely more than F2F	Disagree	Agree
permits students to acquire content knowledge. [ ]	○	○	○	○	○	○	○
permits students to develop conceptual understanding. [ ]	○	○	○	○	○	○	○
is effective for learning about the topics in the curriculum. [ ]	○	○	○	○	○	○	○

	Item Response Format					Expert Rating of Item	
	Definitely less than F2F	Somewhat less than F2F	About the same as F2F	Somewhat more than F2F	Definitely more than F2F	Disagree	Agree
is effective for building knowledge.	○	○	○	○	○	○	○
supports student achievement.	○	○	○	○	○	○	○
provides effective learning resources.	○	○	○	○	○	○	○
supports achievement with multi-media content.	○	○	○	○	○	○	○

What comments do you have about this set of items?

[   ]

Student Centered

Construct: Student Centered
Definition: Student-centered approach is characterized with high levels of student direction – student – based activities, interactions, and assessments.

Does the definition align with your experience of what makes learning Student Centered?

○ Disagree
○ Agree
○ Needs Revision

What comments do you have about the proposed definition of Student Centered?

[   ]

In your experience with traditional face-to-face (F2F) and online learning environments, when you compare F2F to online learning, you perceive that online learning...

	Item Response Format					Expert Rating of Item	
	Definitely less than F2F	Somewhat less than F2F	About the same as F2F	Somewhat more than F2F	Definitely more than F2F	Disagree	Agree
permits students to acquire content knowledge.	○	○	○	○	○	○	○
permits students to develop conceptual understanding.	○	○	○	○	○	○	○
is effective for learning about the topics in the curriculum.	○	○	○	○	○	○	○
is effective for building knowledge.	○	○	○	○	○	○	○
supports student achievement.	○	○	○	○	○	○	○

	Item Response Format					Expert Rating of Item	
	Definitely less than F2F	Somewhat less than F2F	About the same as F2F	Somewhat more than F2F	Definitely more than F2F	Disagree	Agree
provides effective learning resources.	O	O	O	O	O	O	O
supports achievement with multi-media content.	O	O	O	O	O	O	O

What comments do you have about this set of items?

[ ]

Interactive

Construct: Interactive
Definition: Interactive learning involves three facets of interaction: (a) student to instructor, (b) student to student, and (c) student to content. These interactions contribute to effective learning singularly as well as in combination. All three facets of interaction can be present regardless of the learning mode (online or on-the-ground).

Does the definition align with your experience of what makes learning Interactive?

O Disagree
O Agree
O Needs Revision

What comments do you have about the proposed definition of Interactive?

[ ]

In your experience with traditional face-to-face (F2F) and online learning environments, when you compare F2F to online learning, you perceive that online learning...

	Item Response Format					Expert Rating of Item	
	Definitely less than F2F	Somewhat less than F2F	About the same as F2F	Somewhat more than F2F	Definitely more than F2F	Disagree	Agree
permits students to acquire content knowledge.	O	O	O	O	O	O	O
permits students to develop conceptual understanding.	O	O	O	O	O	O	O
is effective for learning about the topics in the curriculum.	O	O	O	O	O	O	O
is effective for building knowledge.	O	O	O	O	O	O	O
supports student achievement.	O	O	O	O	O	O	O
provides effective learning resources.	O	O	O	O	O	O	O
supports achievement with multi-media content.	O	O	O	O	O	O	O

What comments do you have about this set of items?

[   ]

Engaging

Construct: Engagement
Definition: Engagement includes the energy and effort that students present in their learning environment. Engagement can be observed in three areas: cognitive engagement, behavioral engagement, and affective engagement. Engagement can be influenced internal factors as well as environmental factors. Engagement theory posits that higher levels of engagement support more efficient learning, retention, and transfer.

Does the definition align with your experience of what makes learning Engaging?

○ Disagree
○ Agree
○ Needs Revision

What comments do you have about the proposed definition of Engaging?

[   ]

In your experience with traditional face-to-face (F2F) and online learning environments, when you compare F2F to online learning, you perceive that online learning...

	Item Response Format					Expert Rating of Item	
	Definitely less than F2F	Somewhat less than F2F	About the same as F2F	Somewhat more than F2F	Definitely more than F2F	Disagree	Agree
permits students to acquire content knowledge. [____]	○	○	○	○	○	○	○
permits students to develop conceptual understanding. [____]	○	○	○	○	○	○	○
is effective for learning about the topics in the curriculum. [____]	○	○	○	○	○	○	○
is effective for building knowledge. [____]	○	○	○	○	○	○	○
supports student achievement. [____]	○	○	○	○	○	○	○
provides effective learning resources. [____]	○	○	○	○	○	○	○
supports achievement with multi-media content. [____]	○	○	○	○	○	○	○

What comments do you have about this set of items?

[   ]

Block 5

What, if any, additional comments do you have about this survey of perceptions of online learning?

[   ]