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#### From Data to Wisdom – Using Evaluation for Learning Improvement

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## **Overview**

- Context for evaluation
- Faculty engagement in the process
- From data to wisdom
- Evaluation process
- From data to considering action
- Improvement of student learning
- Focus on continuous improvement





































## Evaluation: Weigh actions, consider alternatives.

## **Consider actions**

Focus on:

 Students – diversity of pedagogy, feedback

## What do we know about student learning?

Purpose of assessment is to understand student knowledge, skills, behaviors and attitudes

In and of itself, assessment does not produce learning

It enables faculty to identify the extent to which students learning has taken place

What do we know about how we can promote student learning?

Research on the principles of student learning is in and the evaluation of the data collected (assessment) should help us to understand how we can utilize the principles of learning to improve student performance.

## **Research results - students learn best when:**

- 1. We build on what students already know.
- 2. They are actively engaged in their own learning.
- 3. Expectations for their learning are clear.
- 4. They get timely and relevant feedback on their performance.
- 5. They can see the relevance for their careers or personal lives.
- 6. They feel that their voices are understood and being heard

# Shared knowledge and collective responsibility

Faculty:

- In addition to, "What I DO"
- To engaging in conversations with colleagues about what students know and how to improve the learning environment

Students:

- From listing courses that they have taken
- To describing the knowledge/skills that they have achieved







## **Trend data**

- Report trend data for the continuous improvement of student performance
- Trend data should be reviewed during the evaluation process
- Many factors impact the results and substantive drops in results; causes should be reported (e.g., changes in process, changes in student demographics, curriculum changes, etc.).







#### **Evaluation Checklist**

#### Gloria Rogers and Robyn Hall, ABET Professional Offerings

	Continue what we are doing	Modify what we are doing	Stop what we are doing	Need to begin doing
Faculty who contribute to the learning outcome				
related to the outcome				
Data are analyzed at the performance indicator level				
Data available for review are:				
Formative data				
Summative data				
Trend data				
Curriculum map				
Other:				
Actions considered:	Yes	No		
Student learning principles				
Faculty support/development				
Course modification				
Curriculum modifications				
Pedagogy/Andragogy				
Assessment processes				

Based on your responses above use the template below to draft a list of action items.

PRIORITY #	What to accomplish	Tasks	Person Responsible	Due Date