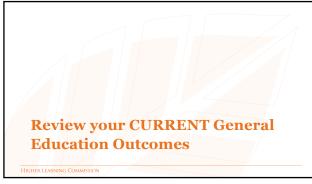


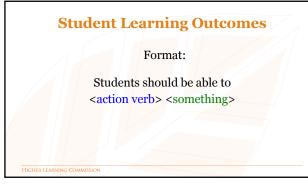
General Education Learning Outcome Assessment

- Philosophy
- Learning Expectations
- Structure

Identify: What cannot be changed What can be modified

- Program Processes What can be modified What can be developed
- Perceptions
- HIGHER LEARNING COMMISSION





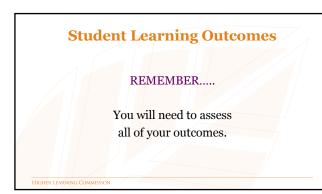
Student Learning Outcomes

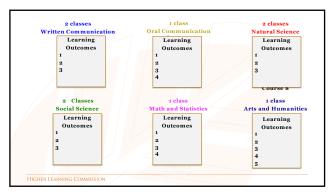
Format:

Students should be able to <identify>, <describe>, <analyze> the <social>, <political>and <environmental> consequences of climate change

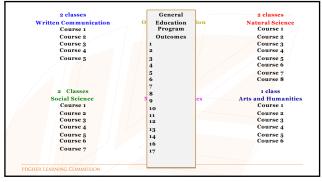
What would you do with this outcome?

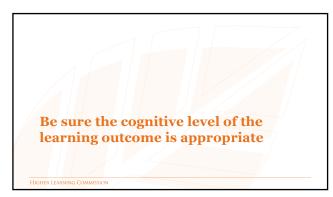
74

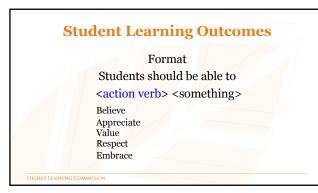


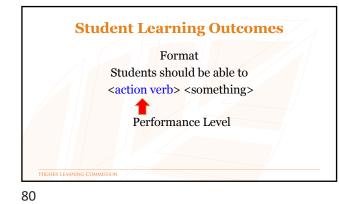












	UNDERSTAND	APPLY	ANALYZE	EVALUATE	CREATE
REMEMBER	Astrate	ALLEI	-	EVALUATE	
•	Classify	A	Analyze	Appraise	Arra <mark>ng</mark> e Assemble
Count	Compare	Calculate	Appraise	Assess	Collect
Define	Compute	Classify	Calculate	Choose	Compose
Draw	Contrast	Demonstrate	Categorize	Compare	Construct
Identify	Differentiate	Determine	Classify	Criticize	Create
List	Discuss	Dramatize	Compare	Determine	Design
Name	Distinguish	Employ Examine	Debate	Estimate	Formulate
Point	Estimate	Illustrate	Diagram	Evaluate	Integrate
Quote	Explain	Interpret	Diagram	Grade	Manage
Read	Express	Locate	Distinguish	Judge	Organize
Recite	Extrapolate	Operate Order	Examine	Measure	Plan
Record	Interpolate	Practice	Experiment	Rank	Plan Prepare
Repeat	Locate	Report	Inspect	Rate	Prescribe
Select	Predict	Restructure	Inventory	Recommend	Produce
State	Report	Schedule	Ouestion	Revise	Propose
Tabulate	Restate	Sketch	Separate	Score	Specify
Tell	Review	Translate	Summarize	Select	Synthesize
Trace	Tell	Use	Test	Standardize	Write
Underline	Translate	Write	rest	Test	write



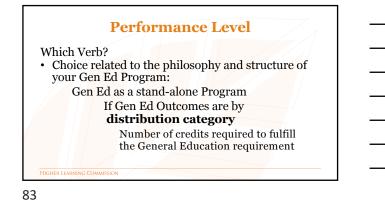
Performance Level

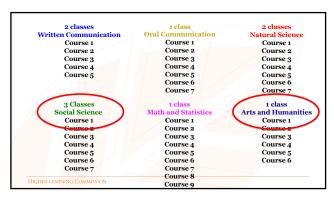
Which Verb?

 Choice related to the philosophy and structure of your Gen Ed Program: Gen Ed as a stand-alone Program

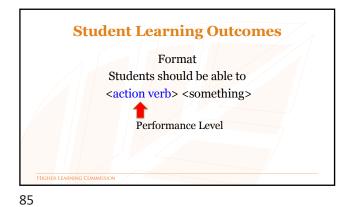
Or

Foundation for Major



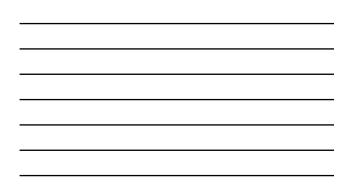






REMEMBER	UNDERSTAND Associate	APPLY	ANALYZE	EVALUATE	CREATE
Cite Count Define Draw	1 course Compute Contrast	Ap oly Calculate Classify Demonstrate	Analyze Appraise Calculate Categorize	Appraise Assess Choose Compare	Arrange Assemble Collect Compose Construct
Identify List Name	Differentiate Discuss Distinguish	Determine Dramatize Employ Examine	Classify Compare Debate	Criticize Determine Estimate	Create Design Formulate
Quote Read Recite	Estimate Explain Express Extrapolate	Illus rate Interpret Operate Order	Diagram Differentiate Distinguish Examine	Evaluate Grade Judge Measure	Integrate Manage Organize Plan
Repeat Select State Tabalate	Locate Predict Report Restate	Practice Report Restructure Schedule Skatch Bolyce	Experiment Inspect Inventory Question	Rank Rate Recommend Revise Score	Prepare Prescribe Produce Propose
Tell Trace Underline	Review Tell	Translate Use Write	Separate Summarize Test	Select Standardize Test	Specify Synthesize Write

REMEMBER	UNDERSTAND	APPLY	ANALYZE	EVALUATE	CREATE
Cite Count Define		3 Course	es	Appraise Assess Choose	Arrange Assemble Collect Compose
Draw Identify List Name	Contrast Differentiate Discuss Distinguish	Determine Dramatize Employ	Categorize Classify Compare	Compare Criticize Determine Estimate	Construct Create Design
Point Quote Read Recite	Explain Express Extrapolate	Examine Illustrate Interpret Operate Order	Debate Diagram Differentiate Distinguish Examine	Evaluate Grade Judge Measure	Formulat Integrate Manage Organize Plan
Record Repeat Select State	Interpolate Locate Predict Report	Practice Report Restructure Schedule Sketch	Experiment Inspect Inventory Question	Rank Rate Recommend Revise	Prepare Prescribe Produce Propose
Tabulate Tell Trace Underline	Restate Review Tell Translate	Solve Translate Use Write	Separate Summarize Test	Score Select Standardize Test	Specify Synthesize Write



REMEMBER	UNDERSTAND Associate	APPLY	ANALYZE	EVALUATE	CREATE
Cite Count Define	Classify Compare Compute	Gen Ed	Program O	utcomes	Arrange Assemble Collect Compose
Draw Identify List Name	Contrast Differentiate Discuss Distinguish	Demonstrate Determine Dramatize Employ	Categorize Classify Compare Debate	Compare Criticize Determine Estimate	Construct Create Design Formulate
Point Quote Read Recite	Estimate Explain Express Extrapolate	Illustrate Interpret Operate Order Practice	Diagram Differentiate Distinguish Examine	Evaluate Grade Judge Measure Book	Integrate Manage Organize Plan
Record Repeat Select State	Interpolate Locate Predict Report	Report Restructure Schedule Sketch	Experiment Inspect Inventory Question	Rate Recommend Revise	Prepare Prescribe Produce Propose
Tabulate Tell Trace Underline	Restate Review Tell Translate	Translate Use Write	Separate Summarize Test	Select Standardize Test	Specify Synthesize Write

Performance Level

Which Verb?

HIGHER LEARNING COMMISSION

• Choice related to the philosophy and structure of your Gen Ed Program:

Gen Ed as Stand-Alone Program

Foundation for Major / Institutional Outcomes GE outcomes contextualized in academic programs

REMEMBER	UNDERSTAND Associate	APPLY	ANALYZE	EVALUATE	CREATE
Cite Count Define	Classify Compare Compute	А	cademic P	rogram	
Draw	Contrast	Demonstrate	Categorize	Compare	Construe
Identify List Name	Differentiate Discuss Distinguish	Determine Dramatize Employ Examine	Classify Compare Debate	Criticize Determine Estimate	Create Design Formulat
Point	Estimate	Illustrate	Diagram	Evaluate	Integrate
Quote Read Recite	Explain Express Extrapolate	Interpret Locate Operate Order	Differentiate Distinguish Examine	Grade Judge Measure Rank	Manage Organize Plan
Record Repeat Select State	Interpolate Locate Predict Report	Report Restructure Schedule	Experiment Inspect Inventory	Rank Rate Recommend Revise	Prepare Prescribe Produce
Tabulate Tell Trace	Restate Review Tell	Solve Translate	Separate Summarize	Select Standardize	Propose Specify Synthesiz
Underline	Translate	Use Write	Test	Test	Write



REMEMBER	UNDERSTAND	APPLY	ANALYZE	EVALUATE	CREATE
Cite Count Define	Classify Compare Compute		Instituti Outcon		
Draw	Contrast	Demonstrate	Categorize	Compare	Construct
Identify	Differentiate	Determine	Classify	Criticize	Create
List	Discuss	Dramatize	Compare	Determine	Design
Name	Distinguish	Employ Examine	Debate	Estimate	Formulate
Point	Estimate	Illustrate	Diagram	Evaluate	Integrate
Quote	Explain	Interpret	Differentiate	Grade	Manage
Read	Express	Locate	Distinguish	Judge	Organize
Recite	Extrapolate	Operate	Examine	Measure	Plan
Record	Interpolate	Practice	Experiment	Rank	Prepare
Repeat	Locate	Report	Inspect	Rate	Prescribe
Select	Predict	Restructure	Inventory	Recommend	Produce
State	Report	Schedule	Question	Revise	
Tabulate	Restate	Solve	Separate	Score	Propose Specify
Tell	Review	Translate	Summarize	Select	Synthesize
Trace	Tell			Standardize	Write
Trace Underline	Tell Translate	Use	Test	Standardize Test	





Performance Indicators

- Define student learning outcomes
- Provide a common language for describing expectations for student learning
- Shared across faculty (discipline or institution)

Performance Indicators

Specific elements of student performance contributing to the achievement of the learning outcome Essentially: Grading Criteria

Process or sequence steps

Critical elements or categories

Avoid action words, descriptors

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Performance Indicators

Specific elements of student performance contributing to the achievement of the learning outcome

Essentially: Grading Criteria

Process or sequence steps

Critical elements or categories

Avoid action words, descriptors

HIGHER LEARNING COMMISSION

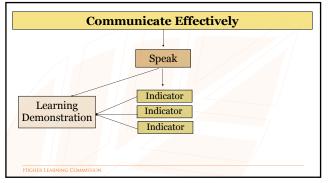
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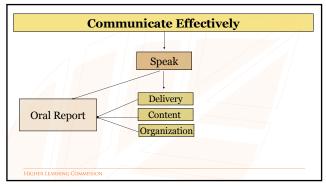
Performance Indicators

Consider:

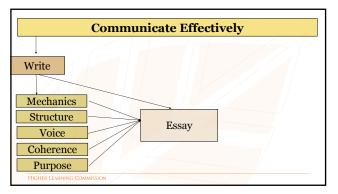
- The more performance indicators you have, the harder it may be to assess
 - Harder to gain support from disciplines
 - Potential training issues

	Commu	inicate Effe		
Write	Relate	Speak	Present	Interact
Indicator	Indicator	Indicator	Indicator	Indicator
Indicator	Indicator	Indicator	Indicator	Indicator
Indicator	Indicator	Indicator		Indicator
Indicator				

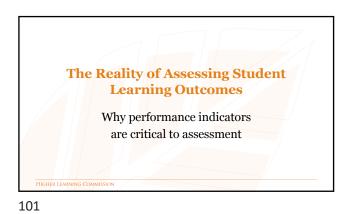


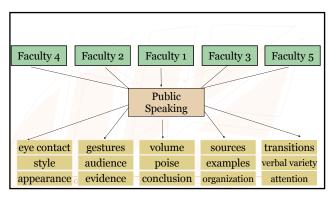




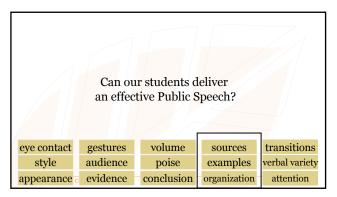










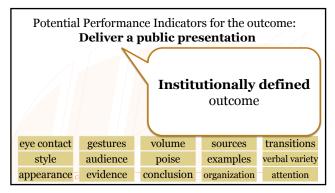




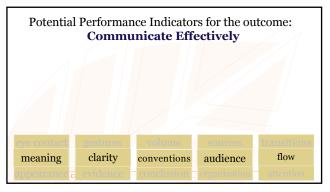
Performance Indicators

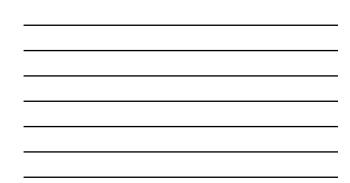
- What if you have competency statements, and departments and programs are writing their own outcomes related to those competency statements?
- You still need performance indicators, but they will be more general

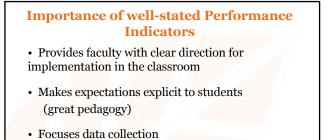
HIGHER LEARNING COMMISSION

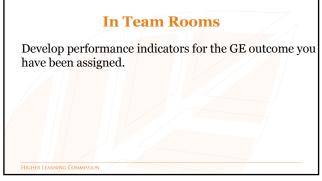












Brainstorming

Individually –

Without talking to anyone from your school, write as many performance indicators as possible for the outcome chosen by your team (5 minutes)

(If your team is together, you might want to use post-it notes, putting each indicator on a separate post-it.)

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Affinity Process

Still in your team rooms:

HIGHER LEARNING COMMISSION

Share your individual lists of performance indicators with your team members.

Because your team was working on the same outcome, many of the performance indicators will be similar

-Group all the performance indicators that are similar (Each grouping should represent one performance indicator) Label each group (15 minutes)

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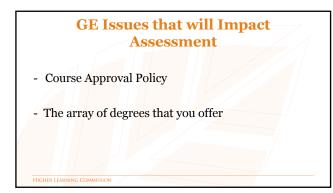
Affinity Process

Appoint a spokesperson for your school

When your team has identified your performance indicator groups, you can take a break (15 minutes)

After break, you will be in your facilitator rooms to share your ideas (10 Minutes)

And then -- Back to big group!



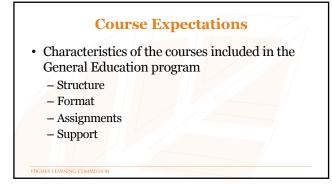
Course Approval Process

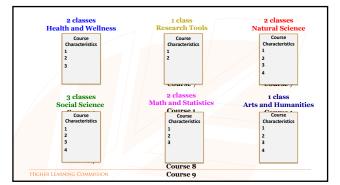
What is the process for courses be included in the general education program ?
 Institution level approval
 State level approval
 Focus of approval process (one or more of these:)
 1. Course characteristics
 2. Learning expectations
 3. Assessment of outcomes

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Course Approval Process

1. Approval requires **specific course characteristics** Course must address or require specific content specific (types of) assignments specific learning processes





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Course Expectations

EXAMPLE: Oral Communication

Courses in this category must require students to complete 4 individual speeches

- Speeches must be at least 6 minutes long
- Two of the speeches should persuade the audience
- Require significant audience analysis

Course Expectations

EXAMPLE: Critical Thinking

Courses in this category must have students analyze multiple positions on an issue

- Analysis must specify the premises of different arguments
- Must identify any weaknesses in logic and evaluate arguments
- Students defend a position on a current disciplinary issue in a written paper

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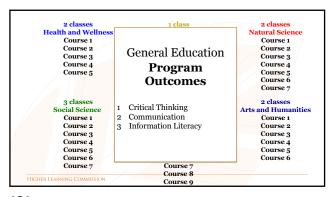
Gen Education (Proposed Course:	Course Proposal
Category/ Outcome / Skill / Theme :	
Required Course Characteristic	Course Requirements
HIGHER LEARNING COMMISSION	

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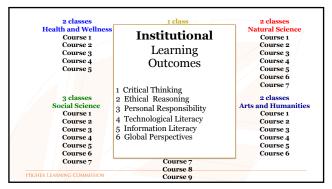


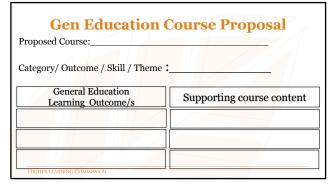
2. Approval requires support for the General Education learning outcomes

- Distribution category
- General Education program outcomes
- Institutional Outcomes













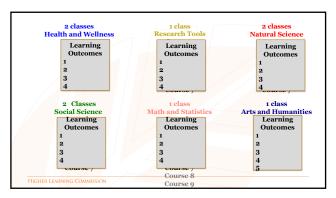
Gen Education	Course Proposal
Category/ Outcome / Skill / Theme	:
Learning Outcome	Assessment Process
HICHER LEARNING COMMISSION	

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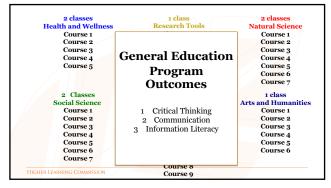
Implications of Course Approval Policy

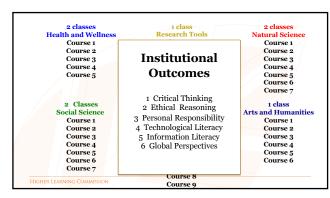
Are the learning outcomes adequately supported by the curriculum?

Does EACH Gen Ed course support ALL the identified outcomes? MOST of the identified Outcomes? SOME of the identified Outcomes? ONE of the identified Outcomes?

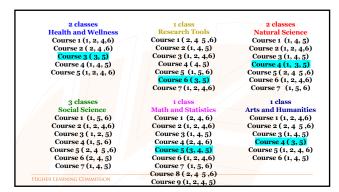






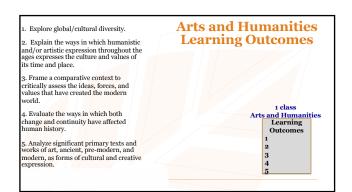






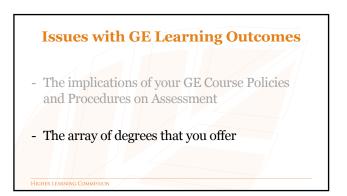


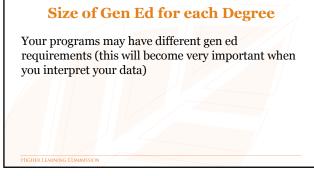


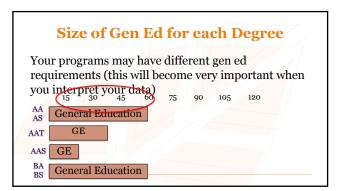


 Explore global/cultural diversity. Explain the ways in which humanistic and/or artistic expression throughout the ages 	Arts and Humanities Learning Outcomes
 a. Fi a. Fi criti Is EACH Gen Ed course assum value ALL of the identified of MOST of the identified of MOST of the identified of SOME of the identified of ONE of the identified of S. Al work work work work was a spression. 	d Outcomes? d Outcomes? d Outcomes? d Outcomes? d Outcomes?

Explore global/cultural diversity. Explain the ways in which humanistic and/or artistic expression throughout the ages expresses the culture and values of its time and place.		Approved Courses Support SOME Outcomes Approved A & H Courses				E	
3. Frame a comparative context to critically assess the ideas, forces, and	outcomes	1	2	3	4	5	6
values that have created the modern world.		100 X	100 X	100 X	200 X	200 X	200 X
4. Evaluate the ways in which both change and continuity have affected human history.	2	15	Х	X	X		X
	3	X				X	
5. Analyze significant primary texts and works of art, ancient, pre-	4						
modern, and modern, as forms of cultural and creative expression.	5						
				7			_







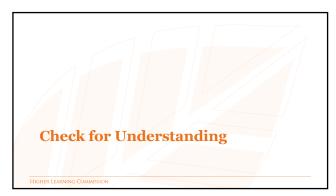
General Education	15 cr	30 cr	45 cr
Writing	3 - 4	6 - 7	6 - 7
Speech	0	3	3
Math	3	3-4	6 - 7
Natural Science	3	3-4	6 - 7
Social Science	3	3	9
Arts and Humanities	0	3	6
Critical Thinking	0	3	3
Info Literacy	3	3	3

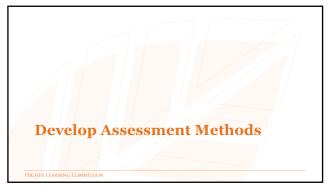


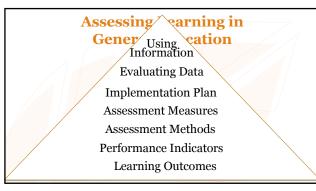
General Education	15 cr	30 cr	45 cr
Writing	3-4	6-7	6-7
Speech	0	3	3
Math	3	3-4	6-7
Natural Science	3	3-4	6-7
Social Science	3	3	9
Arts and Humanities	0	3	6
Critical Thinking	0	3	3
Info Literacy	3	3	3

General Education	15 cr	30 cr	45 cr
Writing	Define	Ana	llyze
Speech	0	Exp	lain
Math	Ider	ntify	Interpret
Natural Science	Desc	cribe	Examine
Social Science	Li	ist	Design
Arts and Humanities	0	Contrast	Reflect
Critical Thinking	0	Ider	ntify
Info Literacy		Locate	

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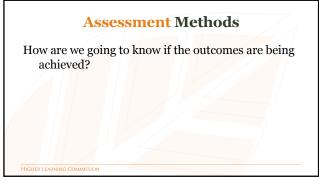
Assessment Methods

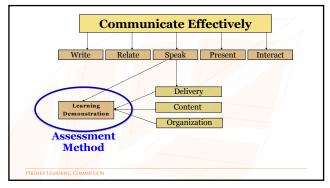
Selecting assessment methods

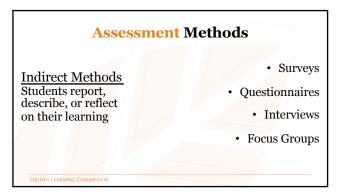
Methods should be

HIGHER LEARNING COMMISSION

Direct – show not tell Relevant – authentic /contextual







Assessment Methods

Direct Methods Students

demonstrate

their learning

- •
- Standardized Exam Locally developed exams Oral Exam •
- •
- Essay/ Report / (Document) Performance / Recital Clinical / Practicum •
- •
- . •
 - Presentation
- Portfolio •
- Simulation

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Assessment Methods

Think ahead to the next steps in the assessment process before identifying assessment methods. Collecting data Interpreting data U<mark>sing dat</mark>a

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Assessment Methods

Consider:

HIGHER LEARNING COMMISSION

Level of Standardization

--Will students demonstrate learning the same way across all courses and programs?

OR

--Will faculty / departments / programs determine what students will do to demonstrate learning?

Assessment Methods

Consider:

Complexity of Processes

Will assessment method require selecting responses (e.g., multiple choice exam) OR Constructing responses (performance, essay)

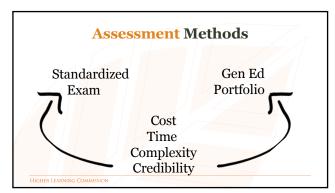
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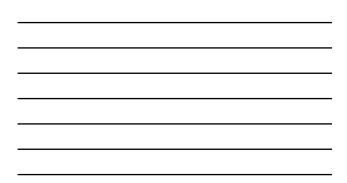
Assessment Methods

Think ahead to the next steps in the assessment process **before** identifying assessment methods. Collecting data, interpreting data, using data

It is a lot easier to collect student work than to assess student work

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Dimension of Feasibility	Selected Response	Constructed Response
Cost	Relatively inexpensive to develop, administer, and	More expensive to develop, administer, and score
	score	Teachers benefit from participation in scoring
Time	Efficient use of class time	Additional class time consumed
	Few demands on teacher preparation time	More teacher preparation time needed
		If embedded, may not consume class time
Complexity	Relatively easy for developers and users	May require special skills to develop
		May need special materials to administer
		Difficult judgments make scoring difficult
Credibility	Familiar and well known	Growing popularity among educators
	Higher reliability leads to greater confidence	Unfamiliar to community members
	-	Credibility with employers

Assessment Methods

Different GE Outcomes: Different Methods

Outcome 1: Nationally normed standardized exam Outcome 2: Locally developed exam questions Outcome 3: Reflection Outcome 4: Short essay

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Team Time: Reviewing Outcomes

Begin to review your your General Education Outcomes.... Check for **format** (action verb, something) Action Verb (alignment with philosophy, *appropriate*

level) **Coverage** (Number of courses supporting outcomes -- you won't be able to do this here, but do you know how many

classes support each outcome?) Performance Indicators (have they been identified?) Assessment Method What can students do to demonstrate their learning?

HIGHER LEARNING COM

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Team Time Questions

What did you notice about your GE Learning Outcomes? Are they ready to be assessed? If your outcomes need a bit of work, by what process will you undertake that task?

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