Workshop 2 Developing an Outline for Assessing Student Learning Outcomes

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Assessment & Program Review

Kansas State University
April 16, 2004

Main Source: Susan Hatfield, *Departmental Assessment Plans*, Academic Chairs Conference, February 2004, Orlando, Florida; Shatfield@winona.edu

The Workshop Series

- Understanding Assessment
 Departmental Assessment Plans, Nuts and Bolts:
 - Common Language & Approaches to Student Learning Outcomes
 - Developing an Outline for Assessing Student Learning Outcomes
 - Identifying the Tools for Assessing Student Learning Outcomes
 - Developing a Plan for the Assessment of Student Learning in a Degree Program

Workshop 2

- A brief review
 - Background/ Understanding Assessment
 - Common Language & Approaches to Student Learning Outcomes
- Developing an Outline for Assessing Student Learning Outcomes
 - Defining the Components/ Evaluative Criteria of Student Learning Outcomes
 - Defining the Performance Characteristics of the Components
 - Defining Learning Objects and Activities

A Brief Review

Assessment

Assessment is:

- ✓ an ongoing process,
- aimed at understanding and improving student learning.

It involves:

- ✓ making our expectations explicit and public,
- setting appropriate criteria and high standards for learning quality,
- ✓ systematically gathering, analyzing, and interpreting evidence to determine how well performance matches those expectations and standards,
- ✓ using the resulting information to document, explain, and improve performance.

Assessment

When it is **embedded** effectively within larger institutional systems, assessment can help us focus our collective attention, examine our assumptions, and create a shared academic culture dedicated to assuring and improving the quality of higher education.

Source: Thomas A. Angelo, AAHE Bulletin, November 1995, p.7

NCA's Expectations for the 2005 Focused Visit

* "The Team recommends a focused visit to evaluate whether the institutions is making progress in implementing a program to assess student learning outcomes. By the time of the focused visit in 2005, there should be evidence that K-State is moving toward maturing levels of continuous improvement and that faculty, students, and administrators across the University are involved in the assessment process." [Bold was added to the original quote.]

Source: NCA's Final Report for K-State, 2001, Section 2, p. 14

BEGINNING (level one)

PROGRESS (level two)

MATURING (level three)

Levels of Implementation

- I. Institutional Culture
 - a) Collective/ Shared Values
 - b) Mission
 - **III. Institutional Support**
 - a) Resources
 - b) Structures

- II. Shared Responsibility
 - a) Faculty
 - b) Administration and Board
 - c) Students
 - IV. Efficacy of Assessment

Source: Assessment of Student Academic Achievement: Levels of Implementation, Addendum to the Handbook of Accreditation, Second Edition; http://www.ncacihe.org/resources/assessment/

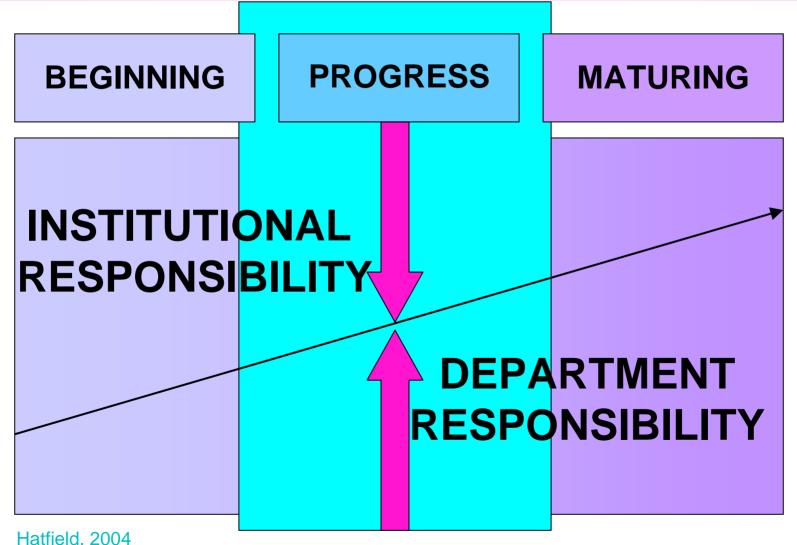
Principles of Good Practice for Assessing Student Learning

- Assessment works best when the programs it seeks to improve <u>have clear, explicitly</u> <u>stated purposes.</u>
- Assessment requires attention to <u>outcomes</u>, but also and equally to the <u>experiences</u> that lead to those outcomes.
- Assessment works best when it is <u>ongoing</u>, <u>not episodic</u>.

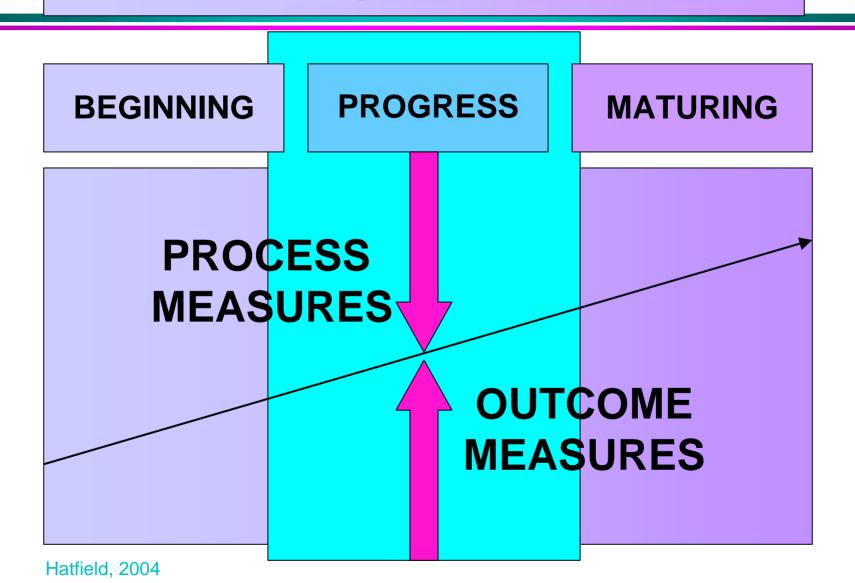
Please refer to handout.

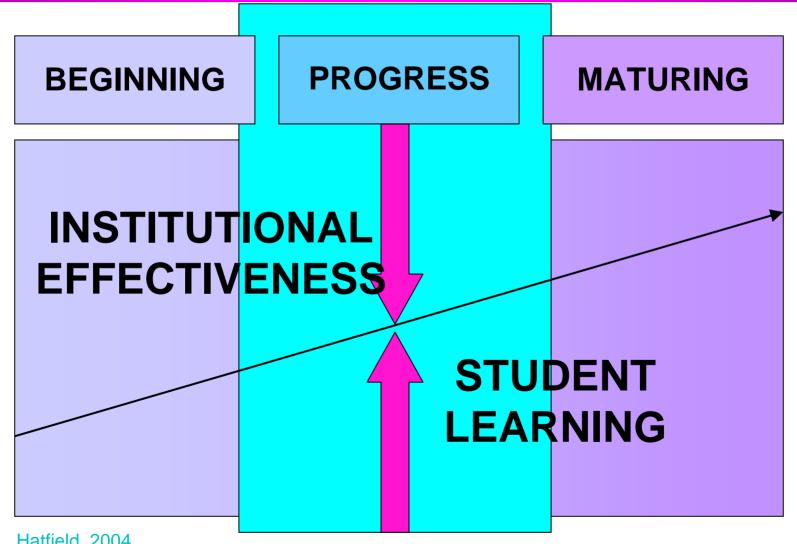
Understanding Assessment

Assessment initiatives evolve

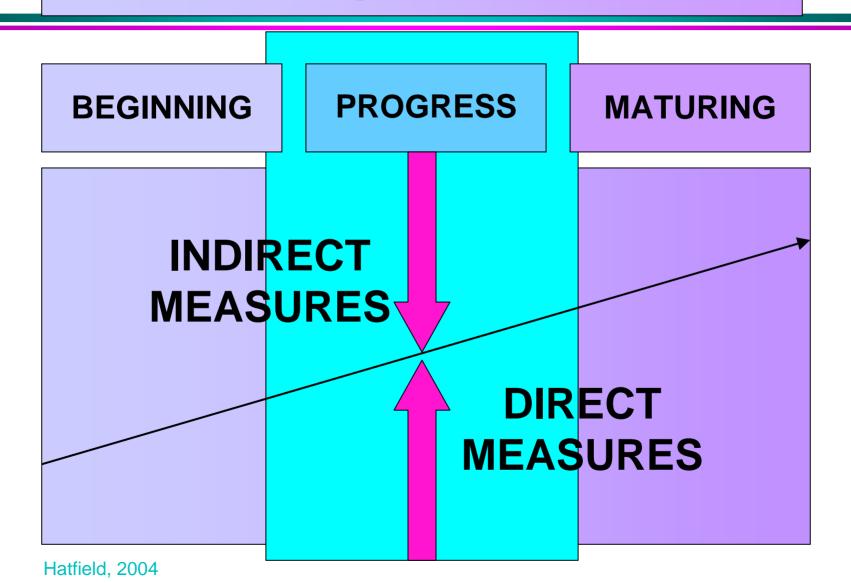


Hatfield, 2004





Hatfield, 2004



Understanding Assessment

Assessment is about measuring student learning, not about teaching

Levels of Assessment

Program / Discipline
University

Stages

- 1. Developing Assessment Plans
- 2. Developing Implementation Strategies
- 3. Collecting Data
- Implementing Change as the result of assessment

Understanding Assessment



Effective assessments use multiple measures and data sources

Understanding Assessment

Measure what you value then value what you measure

Developing an Outline for Assessing Learning Outcomes

Student Learning Outcomes

Basic Format:

Students will be able to
 <<< something>>

Example:

 Students will be able to <u>apply</u> research methodologies to <u>examine issues within the</u> <u>discipline</u>.

Identify the components of successful achievement of the outcome

-What are we looking **for** to be able to tell whether or not student performance is acceptable?

Example

Gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected

BETTER: Students will be able to apply factual information to a problem

COMPONENTS:

Relevance
Clarity
Comprehensiveness
Aware of Bias

Understanding Assessment

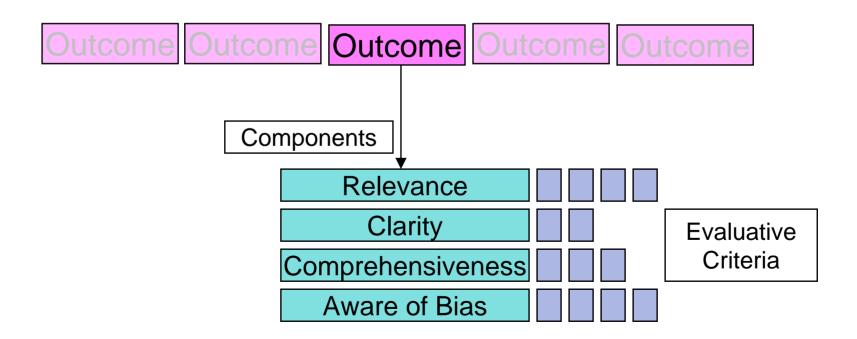
> Language of Assessment

Language of Assessment

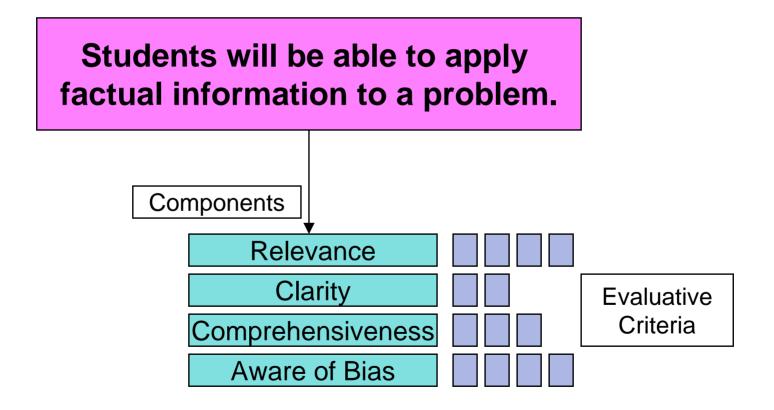
- A. Specific accomplishments to be achieved OUTCOMES
- B. The key elements related to the accomplishment COMPONENTS
- C. Data indicating degree of achievement EVALUATIVE CRITERIA
- D. The objects of analysis: OBJECTS
 (e.g., assignment, performances, speeches, etc.)

Components

Degree Program



Example



Degree Program

Write

(Written Communication)

Relate

(Interpersonal Communication)

Speak

(Verbal Communication)

Listen

(Listening Skills)

Participate

(Engaged & active Participation)

Component

Examples of Components

- Organization, Structure
- Level of understanding
- Complexity of ideas
- Support for ideas
- Coherence of presentation
- Knowledge of material
- Awareness of audience
- Mechanics: Writing, Language, Style
- Problem Identification

Please refer to handout for more examples

Hands-on Exercise #1

Select one of your degree program student learning outcomes and <u>identify</u> its key components.

» Utilize the list of example "components" (in your handout).

Feel free to work on a second learning outcome, if time permits.

Degree Program

Student Learning Outcomes of the Degree Program

Write

(Written Communication)

Relate

(Interpersonal Communication)

Speech

(Verbal Communication)

Listen

(Listening Skills)

Participate

(Engaged & active Participation)

Component

<u>Select</u> the learning outcomes you plan to address, *then* identify the key components for those outcomes. You do not need to identify all components at the same time.

Evaluative Criteria

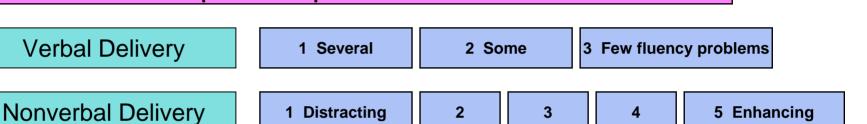
 Once the components of the student learning outcomes have been identified, the next step is to identify the evaluative criteria.

Evaluative Criteria

- Are the scale items or descriptions for assessing each of the components.
- Two to Five-point scales for each component are typical. Each department will determine the appropriate performance range for their programs.

Example Layout

Speak in public situations	
Verbal Delivery	
Nonverbal Delivery	
Structure	
Evidence	



Structure 2 Connected 3 Integrated

Speak in public situations

Evidence Doesn't support Sometimes Always supports

Evaluative criteria may be numerical, descriptive, or both.

Example Scales for Evaluative Criteria

- Missing Included
- Inappropriate Appropriate
- Incomplete Complete
- Incorrect Partially Correct Correct
- Vague Emergent Clear
- Marginal Acceptable Exemplary
- Distracting Neutral Enhancing
- Usual Unexpected Imaginative
- Ordinary Interesting Challenging

Please refer to handout for more examples

Example Scales for Evaluative Criteria

- Simple More fully developed Complex
- Reports Interprets Analyzes
- Basic Expected Advanced
- Few Some Several Many
- Isolated Related Connected Integrated
- Less than satisfactory satisfactory more than satisfactory - outstanding
- Never Infrequently Usually Always

Hands-on Exercise #2

Evaluative Criteria

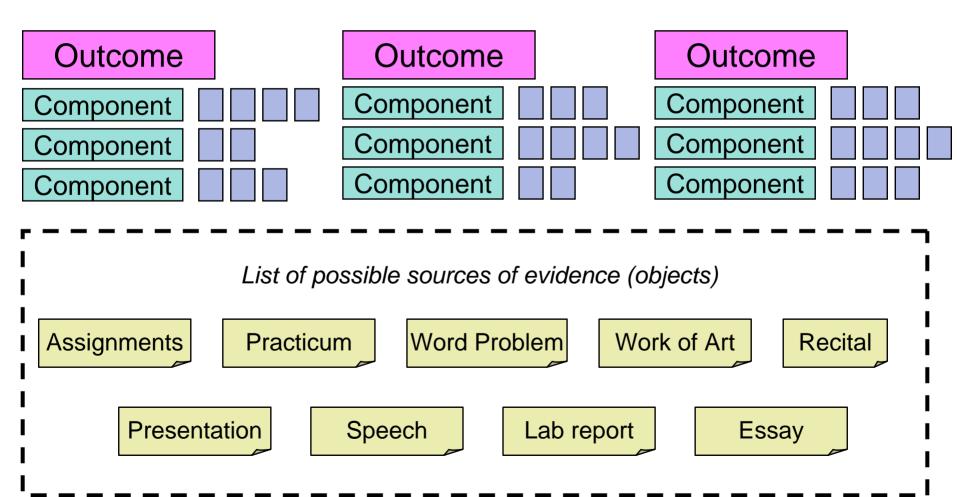
 Once the components of the student learning outcome(s) have been identified, then <u>identify at least two</u> evaluative criteria.

• Characteristics or criteria of the effective, accurate, successful, or levels that demonstrated what was learned.

Learning Objects

- After identifying key components and evaluative criteria, the next step is to identify the learning objects.
 - Learning objects are the assignments, activities, and performances that promote achievement of each learning outcome.

Degree Program



Learning Objects

- There are multiple objects (e.g., assignments, competitions, licensing exams) that can demonstrate student learning.
- Utilize the forms of evidence that already exist in your programs (curriculum) or modify what you are currently doing in your curriculum.

Please refer to handout for examples.

Memo

Journal

Literature Review

Letter

Writing (student learning outcome)

Poster

Pamphlet

*Mechanics *Style *Voice *Structure

Essay

Post Analysis

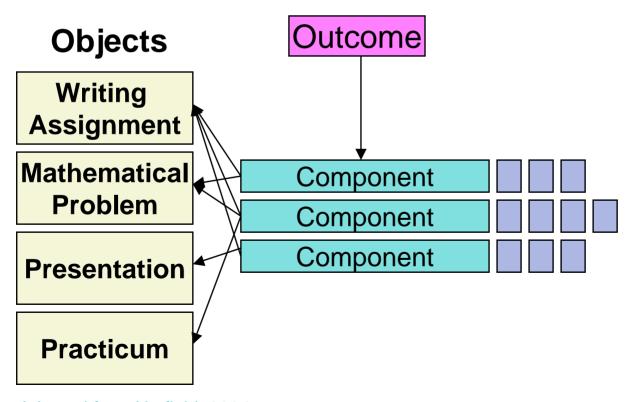
Application Paper

Critique

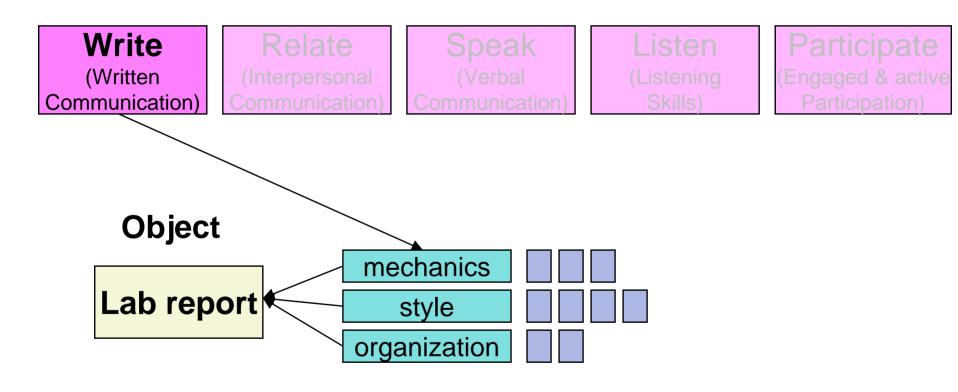
Hatfield, 2004

Learning Objects

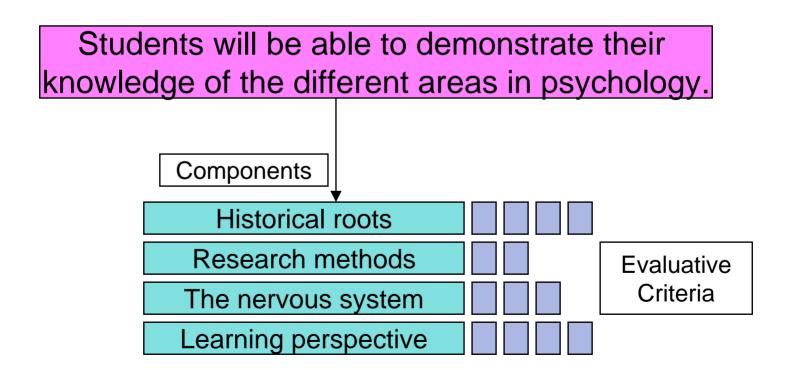
Degree Program



Adapted from Hatfield, 2004



Psychology (at another institution)



Degree Program

Students will be able to demonstrate their knowledge of the different areas in psychology.

Components

Evaluative Criteria

Historical roots

Novice

Intermediate

Knowledgeable

Research methods

Basics

Intermediate

Advanced

The nervous system

Novice

Intermediate

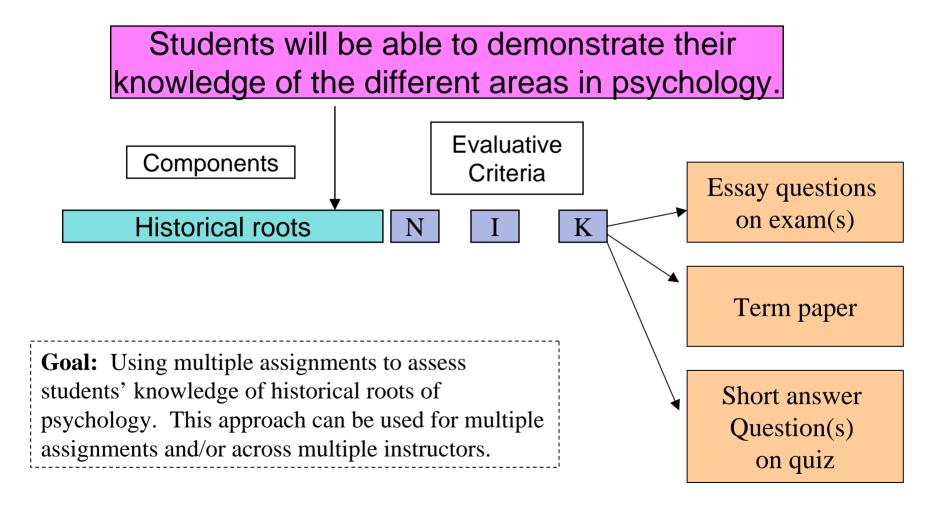
Advanced

Learning perspective

Novice

Intermediate

Knowledgeable



Take-home Exercise #1

Learning Objects

 Once the evaluative criteria of the components have been identified, then identify at least two learning objects.

Examples of Learning Objects

Write

(Written Communication)

Relate (Interpersonal Speak (Verbal Communication) Listen
(Listening Skills)

Participate
(Engaged & active Participation)

Lab report

Essay

Speech

Group Presentation

Debate

Group Presentation

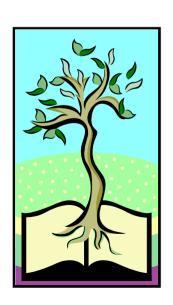
Debate

Practicum

Learning Objects

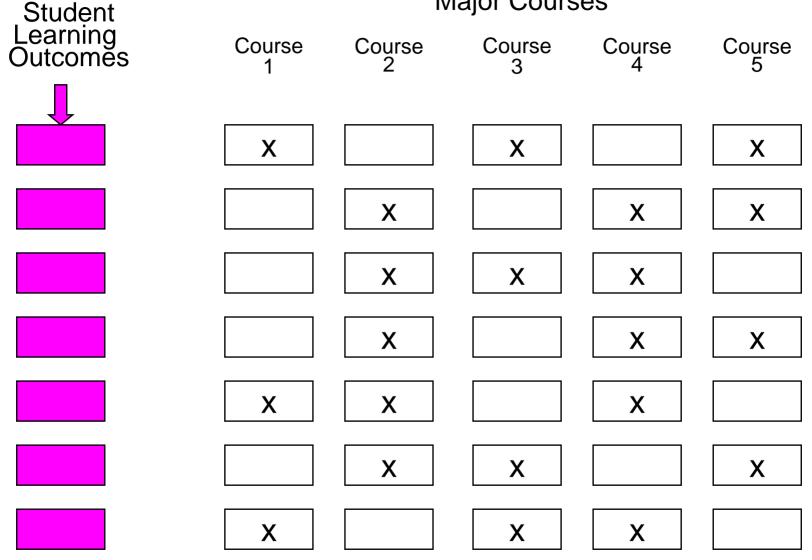
- It is possible to use course or instructor-specific Objects to assess an outcome, but the components of the Object being assessed must remain constant.
 - NOTE: Data from multiple courses and instructors will need to be aggregated, interpreted, reported, and utilized in decision making. Thus, it is recommended that a set of components be assessed across multiple courses, assignments, and/ or instructors.

Identify the Assessment Points in the Curriculum



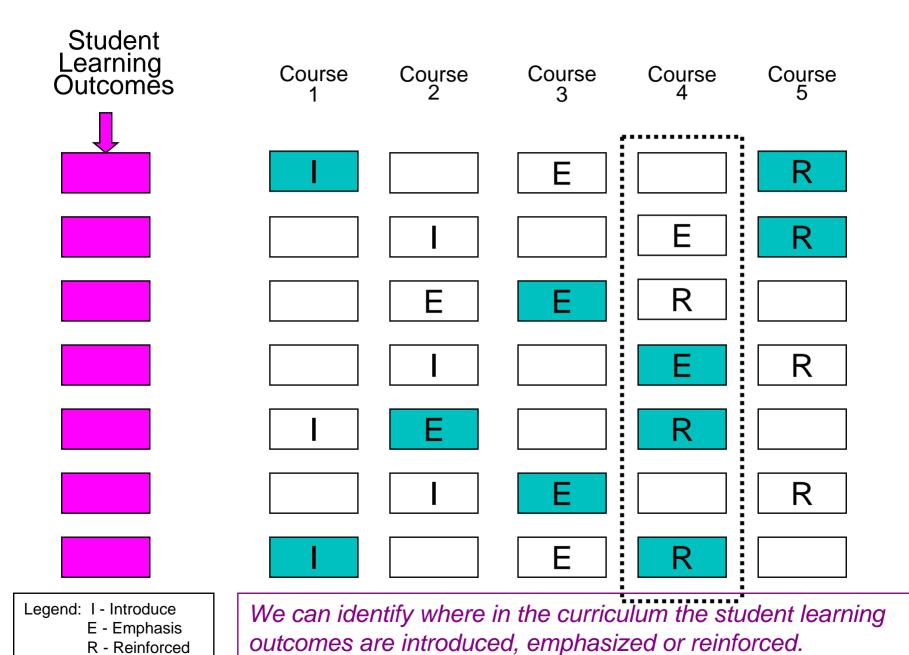
• Where do you want to target your assessment efforts?

Major Courses



Legend: x = outcomeaddressed in the course

We can identify where in the curriculum the student learning outcomes are developed.



Hatfield, 2004

Take-home Exercise #2

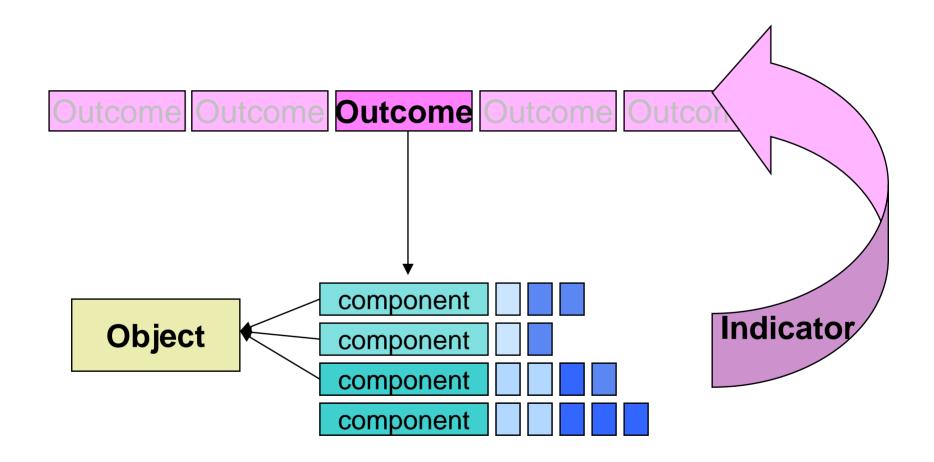
Identifying Assessment Points

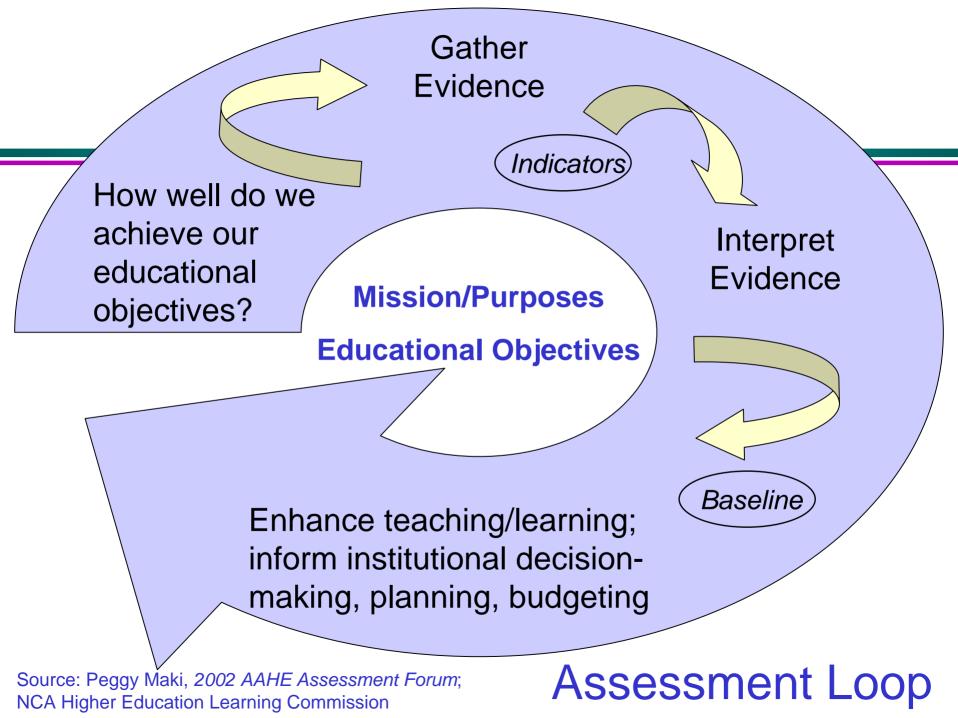
- Refer to at least two student learning outcomes in your degree program.
- Identify where in the curriculum these outcomes are developed.
- Recommend where in the curriculum these outcomes can be assessed.

Developing an Assessment Plan

Identify Assessment Measures (part of Workshop 3)

Assessment Measures





Questions?

