Liberal Education & America’s Promise

Excellence for Everyone as a Nation Goes to College

High-Impact Practices and Direct Assessment of Student Learning Outcomes
Guiding Questions

• What are promising direct assessment strategies for evaluating student’s achievement of learning outcomes, as a result of their participation in high-impact practices?

• How can campus educators provide higher levels of transparency of the learning outcomes to help students understand the benefits to their lifelong success and career preparation?
Guiding Questions

• How can the performance descriptors identified in the rubrics inform the design of high-impact practices?
The LEAP Essential Learning Outcomes

Knowledge of Human Cultures and the Physical and Natural World

- Focused on engagement with big questions, enduring and contemporary

Intellectual and Practical Skills

- Practiced extensively across the curriculum, in the context of progressively more challenging problems, projects, and standards for performance

Personal and Social Responsibility

- Anchored through active involvement with diverse communities and real-world challenges

Integrative and Applied Learning

- Demonstrated through the application of knowledge, skills, and responsibilities to new settings and complex problems
Essential Learning Outcomes

• Inquiry and Analysis
• Critical and Creative Thinking
• Written and Oral Communication
• Quantitative Literacy
• Information Literacy
• Teamwork and Problem Solving
• Civic Knowledge and Engagement—local and global
• Intercultural Competence
• Ethical Reasoning
• Lifelong Learning
• Across general and specialized studies
“High-Impact Practices” that Help Students Achieve the Outcomes

- First-Year Seminars and Experiences
- Common Intellectual Experiences
- Learning Communities
- Writing-Intensive Courses
- Collaborative Assignments & Projects
- Undergraduate Research
- Diversity/Global Learning
- Service Learning, Community-Based Learning
- Internships
- Capstone Courses and Projects
Intentionality of HIPs

- Selection
- Design
- Access

HIPs

Learning Outcomes
- Defined
- Evidence

Equity
- Assessment
- Data Disaggregated
- Integrated

Association of American Colleges and Universities
HIPs: Eight Key Elements

• Performance Expectations Set at Appropriately High Levels
• Significant Investment of Time and Effort by Students Over an Extended Period of Time
• Interactions with Faculty and Peers about Substantive Matters
• Experiences with Diversity
• Frequent, Timely and Constructive Feedback
• Structured Opportunities to reflect and Integrate Learning
• Opportunities to Discover Relevance of Learning Through Real-World Applications
• Public Demonstration of Competence

What is a VALUE Rubric?

- Valid Assessment of Learning in Undergraduate Education
- Articulation of expected, demonstrated learning at progressively more sophisticated and complex levels of achievement
- VALUE builds on a philosophy of learning assessment that privileges multiple expert judgments and shared understanding of the quality of student work through the curriculum, co-curriculum, and beyond over reliance on standardized tests administered to samples of students disconnected from an intentional course of study.
The Power of Rubrics as Tools for Both Assessment and Learning

- Rubrics to help guide students and faculty
- Places individual faculty judgment within national shared experience; national benchmarks
- Encourages students’ best work, encourages self-assessment, and allows for mining of samples for assessment purposes
- Allows learning to be seen as portable, for cumulative learning and assessment, to complement other high-impact practices
- Can build up from course level to institutional reporting needs AND down from general to specific program/course context
## List of VALUE Rubrics

- **Knowledge of Human Cultures & the Physical & Natural Worlds**
  - Content Areas → No Rubrics

- **Intellectual and Practical Skills**
  - Inquiry & Analysis
  - Critical Thinking
  - Creative Thinking
  - Written Communication
  - Oral Communication
  - Reading
  - Quantitative Literacy
  - Information Literacy
  - Teamwork
  - Problem-solving

- **Personal & Social Responsibility**
  - Civic Knowledge & Engagement
  - Intercultural Knowledge & Competence
  - Ethical Reasoning
  - Foundations & Skills for Lifelong Learning
  - Global Learning

- **Integrative & Applied Learning**
  - Integrative & Applied Learning
VALUE Rubric

CRITICAL THINKING VALUE RUBRIC

for more information, please contact value@aacu.org

The VALUE rubrics were developed by teams of faculty experts representing colleges and universities across the United States through a process that examined many existing campus rubrics and related documents for each learning outcome and incorporated additional feedback from faculty. The rubrics articulate fundamental criteria for each learning outcome, with performance descriptors demonstrating progressively more sophisticated levels of attainment. The rubrics are intended for institutional-level use in evaluating and discussing student learning, not for grading. The core expectations articulated in all 15 of the VALUE rubrics can and should be translated into the language of individual campuses, disciplines, and even courses. The utility of the VALUE rubrics is to position learning at all undergraduate levels within a basic framework of expectations such that evidence of learning can by shared nationally through a common dialog and understanding of student success.

Definition
Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion.

Framing Language
This rubric is designed to be transdisciplinary, reflecting the recognition that success in all disciplines requires habits of inquiry and analysis that share common attributes. Further, research suggests that successful critical thinkers from all disciplines increasingly need to be able to apply those habits in various and changing situations encountered in all walks of life.

This rubric is designed for use with many different types of assignments and the suggestions here are not an exhaustive list of possibilities. Critical thinking can be demonstrated in assignments that require students to complete analyses of text, data, or issues. Assignments that cut across presentation mode might be especially useful in some fields. If insight into the process components of critical thinking (e.g., how information sources were evaluated regardless of whether they were included in the product) is important, assignments focused on student reflection might be especially illuminating.

Glossary
The definitions that follow were developed to clarify terms and concepts used in this rubric only.

- Ambiguity: Information that may be interpreted in more than one way.
- Assumptions: Ideas, conditions, or beliefs (often implicit or unstated) that are "taken for granted or accepted as true without proof." (quoted from www.dictionaryreference.com/browse/assumptions)
- Context: The historical, ethical, political, cultural, environmental, or circumstantial settings or conditions that influence and complicate the consideration of any issues, ideas, artifacts, and events.
- Literal meaning: Interpretation of information exactly as stated. For example, "she was green with envy" would be interpreted to mean that her skin was green.
- Metaphor: Information that is (intended to be) interpreted in a non-literal way. For example, "she was green with envy" is intended to convey an intensity of emotion, not a skin color.
# Critical Thinking Value Rubric

**Criteria**

Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion.

Evaluators are encouraged to assign a zero to any work sample or collection of work that does not meet benchmark (cell one) level performance.

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Definition</th>
<th>Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation of issues</strong></td>
<td>Issue/problem to be considered critically is stated clearly and described comprehensively, delivering all relevant information necessary for full understanding.</td>
<td></td>
</tr>
<tr>
<td><strong>Evidence</strong></td>
<td>Information is taken from source(s) with enough interpretation/evaluation to develop a comprehensive analysis or synthesis. Viewpoints of experts are questioned thoroughly.</td>
<td></td>
</tr>
<tr>
<td><strong>Influence of context and assumptions</strong></td>
<td>Thoroughly (systematically and methodically) analyzes own and others' assumptions and carefully evaluates the relevance of contexts when presenting a position.</td>
<td></td>
</tr>
<tr>
<td><strong>Student's position (perspective, thesis/hypothesis)</strong></td>
<td>Specific position (perspective, thesis/hypothesis) is articulated in light of the complexities of an issue. Others' points of view are acknowledged within position (perspective, thesis/hypothesis).</td>
<td></td>
</tr>
<tr>
<td><strong>Conclusions and related outcomes (implications and consequences)</strong></td>
<td>Conclusions (implications) are identified clearly.</td>
<td></td>
</tr>
</tbody>
</table>

## Levels

**Capstone**

4

- Issue/problem to be considered critically is stated clearly and described comprehensively, delivering all relevant information necessary for full understanding.

**Milestones**

3

- Issue/problem to be considered critically is stated but description leaves some terms undefined, ambiguities unexplored, boundaries undetermined, and/or backgrounds unknown.

2

- Issue/problem to be considered critically is stated without clarification or description.

**Benchmark**

- Issue/problem to be considered critically is stated without clarification or description.

- Information is taken from source(s) without any interpretation/evaluation. Viewpoints of experts are taken as fact, without question.
How Do I Use VALUE Rubrics to Score Student Work?
The Ground Rules

1. We are not changing the rubric (today).
   – Really.

2. This is not grading.
   – Grading focuses on content and often a mixture of learning skills. This is also why the assignment prompt is not given to scorers.

2. Think globally about student work and about the learning skill.
   – Think beyond specific disciplinary lenses or content. Assume the content is correct.

3. For each dimension, connect specific places in the work sample with the assigned score.
   – This is critical for helping colleagues to understand your rationale.

5. Start with 4 and work backwards.
   – The rubric was specifically designed to begin with the highest level of complexity of thinking in mind and to go from there.

6. Pick one performance benchmark per dimension. Avoid “.5”.
   – Discussion provides the opportunity to admit if you were on the fence.

7. Zero does exist. So does N/A. But each means different things.
   – Assign “0” if work does not meet benchmark (cell one) performance level. Assign “not applicable” if the student work is not intended to meet a particular criterion.
Calibration Process

• Discuss first page of rubric – Any questions regarding clarity or interpretation?
• Discuss **each** dimension of the rubric – Any questions or issues to raise regarding clarity or interpretation of a particular dimension?
• Read work sample
• Score all rubric dimensions
• Reporting out of scores
  • Starting with those who assigned a “4”...“3”...“2”...“1”... Zero and N/A
  • Discussion of assigned scores
    • Be sure to connect responses with specific instances in the work sample that help to justify the score.
• Does anyone want to change their score?
AAC&U’s LEAP VALUE Initiative

www.aacu.org/value
Thank you!

Dr. Tia Brown McNair
Vice President
Office of Diversity, Equity and Student Success
mcnair@aacu.org
202-884-0808