The Good, The Bad, The Learning Outcomes

What are Learning Outcomes?

Learning outcomes are:

- statements that describe the knowledge, skills, and perceptions that students demonstrate upon completion of the program.
- measured in assessment activities conducted throughout the program.
- written with concrete verbs such as "define," "apply," or "analyze" (see back of this sheet).
- developed and then annually reviewed by program faculty.
- small in number, but big in impact. Unless you have externally-mandated outcomes through a professional accreditation process, keep the number of outcomes for your program in the 5-8 range.

Why are they important?

Learning outcomes are important because they:

- state what will be measured in your program's assessment process.
- represent what your faculty most values for student learning.
- identify for students and other stakeholders what successful completers of your program know, believe, or have the skills to do.

The BAD...Poorly Constructed Outcomes

- 1. Students will learn how to develop a well-designed argument.
- 2. Our program provides students with opportunities to learn about contemporary problems in the field of biology.

The GOOD...Better Constructed Outcomes

- 1. Students will identify an issue, develop an arguable thesis about the issue, locate relevant supporting evidence, analyze the evidence, and draw a well-supported conclusion.
- 2. Students will evaluate the challenges associated with solving a contemporary biological problem, the importance of finding a solution for the problem, and the validity of the scientific evidence currently used in pursuit of solutions for the problem.

Why are the GOOD better than the BAD?

The GOOD statements are competencies that can be measured. The BAD (at least #2) describe what happens in the program.

Still need help? Contact us:

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Office of Instruction and Assessment Manuel Pacheco Integrated Learning Center 1500 E. University Blvd. Bldg. 70 University of Arizona, Tucson, AZ 85721 Phone: 520.621.7788 Fax: 520.626.8220 http://oia.arizona.edu Learning outcomes should be observable and measurable. The outcome statement should include an action verb that clearly demonstrates the skill or behavior to be observed and measured.

Action Verb List - Suggested Verbs to Use in Each Level of Thinking Skills

Below are terms (verbs) that can be used when creating student learning outcomes for a course or degree program.

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Source/Reference: These steps were derived from information collected at various conferences by Dr. Cia Verschelden, the original source is unknown. See http://www.k-state.edu/assessment/slo/action.htm for more information.