Student Learning Outcomes (Pharmacy)

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What are student learning outcomes (SLOs)?

- Statements that specify what students will know, be able to do, or be able to demonstrate when they have completed a program/activity/course/project.
- Outcomes are usually expressed as knowledge, skills, attitudes, or values.

What are the characteristics of good SLOs?

- SLOs specify an action by the student that must be
 - observable,
 - measurable,
 - and able to be demonstrated.

Example 1

- Goal: Enhance reading comprehension
- Outcome: By the end of the course <u>students</u> will be able to draw conclusions from empirical journal articles in biology.
- Strategy: Guided reading activities, article critiques
- Assessment: Inclusion of this criteria on rubric for end of the semester research paper

Example 2

- Goal: Enhance social responsibility
- Outcome: By the end of the course <u>students</u> will be better able to apply an understanding of cultural differences to issues in health.
- Strategy: Application papers, reflection journals
- Assessment: pretest-posttest on cultural differences in health

Your Example

- Goal:
- Outcome:
- Strategy:
- Assessment:

Rubrics help instructors:

- Assess assignments consistently from student-to-student.
- Save time in grading.
- Give timely, effective feedback and promote student learning in a sustainable way.
- Clarify expectations an assignment for students.
- Refine teaching skills by evaluating rubric results.

Rubrics help students:

- Understand expectations and components of an assignment.
- Become more aware of their learning process and progress.
- Improve work through timely and detailed feedback.

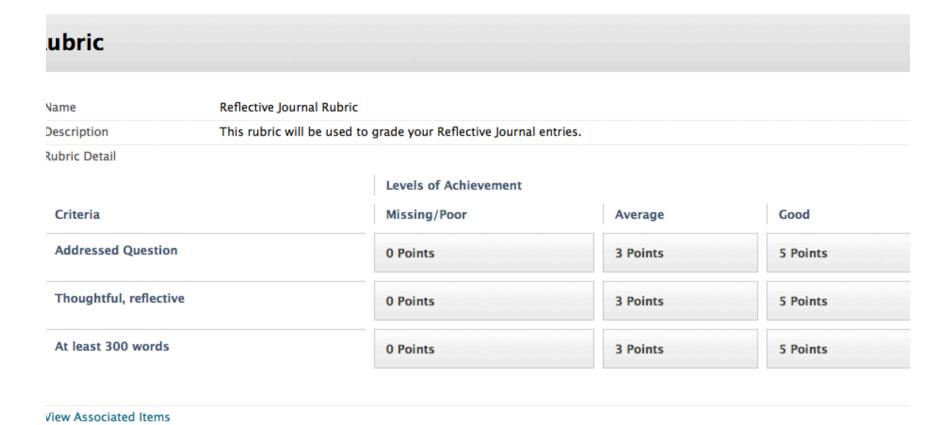
Rubric Development Guidelines

- Examine an assignment for your course.
- Outline the elements to be evaluated (these attributes must be objectively measurable).
- Create an evaluative range for performance quality under each element; for instance, "excellent," "good," "unsatisfactory."
- Add descriptors that qualify each level of performance.

Rubric Development Guidelines

- Avoid using subjective or vague criteria such as "interesting" or "creative"; instead, outline objective indicators.
- The criteria must clearly differentiate one performance level from another.
- Assign a numerical scale to each level.
- Give a draft of the rubric to your colleagues for feedback.
- Rework the rubric based on the feedback.

Rubrics on Bb



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