Student Learning Outcomes

- Clearly articulated statements of what students are expected to learn
- What is should be known, demonstrated, or achieved to be considered successful in the program
- "Types" of learning:
  - cognitive- knowledge
  - skills and
  - affective- feelings
- Also includes topic/content area & context
- Ex. Successful graduates will be able to correctly apply at least two methods to validate student perception surveys

Demonstrate

Context

Topic/content area

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Student Learning Outcomes

Student Learning Outcomes:

- SUFFICIENT CONTENT, RIGOR, & DEPTH
  characterized as collegiate or graduate level learning as appropriate

- CLEAR LINKAGES
  Between the design of specific courses, programs, and learning activities and the articulated goals

- RESPONSIVE
  To new research findings and modes of inquiry.

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Student Learning Outcomes

Student Learning Outcomes HELP:

- FACULTY
  Can select and organize program and course content
  Determine appropriate assessments and instructional strategies

- STUDENTS
  Are given clear set of expectations
  Direct their learning efforts and monitor their own progress

- STAKEHOLDERS and CONSTITUENTS
  Appreciate the monitoring of student progress and academic quality
  Continuous improvement of student learning

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Student Learning Outcomes

Bloom's Taxonomy for categorizing learning outcomes in educational settings. The three categories in his schema are cognitive, affective, and psychomotor. The cognitive category is divided into lower-level skills through higher-level skills.

Cognitive (knowing, awareness, insights)	Possible verbs to use				
Knowledge (Recalling information)	define repeat	memorize name state	list relate	recall label	repeat select
Comprehension (Explaining information)	restate report	discuss explain	describe express	identify recognize	locate interpret
Application (Solving closed-ended problems)	translate discover	apply predict	practice change	illustrate compute	operate demonstrate
Analysis (Solving open-ended problems)	identify contrast	analyze examine	criticize test	compare infer	differentiate distinguish
Synthesis (Creating "unique" answers to problems)	design manage	compose construct	plan revise	create rewrite	formulate explain
Evaluation (Making critical judgments based on a sound knowledge base)	judge appraise	evaluate conclude	value critique	compute discriminate	assess support

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Student Learning Outcomes

Skills (competencies, demonstrations)	Possible verbs to use
Perception (Obtain cues to guide action)	choose describe detect differentiate distinguish relate select separate identify isolate
Set (Readiness to take action)	begin display explain move proceed react respond show start volunteer

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Student Learning Outcomes

Affect (feelings)	Possible verbs to use
Accepting (Willingness to participate in an activity)	ask, choose, describe, follow, give, hold, identify, locate, name, point to, reply, select, use
Responding (Actively participates)	answer, assist, compile, conform, discuss, greet, help, label, perform, practice, present, read, recite, report, select, tell, write
Valuing (Value or worth attached to an object or activity)	complete, describe, differentiate, explain, follow, study, form, initiate, invite, join, justify, work, propose, read, report, select, share
Organization (Resolve conflict)	adhere, alter, arrange, combine, compare, complete, defend, explain, generalize, identify, integrate, modify, order, organize, prepare, relate, synthesize
Characterization by Value (Adopt a value system)	act, display, influence, listen, modify, perform, practice, propose, qualify, question, revise, serve, solve, use, verify

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Student Learning Outcomes

School of Science Goals

- Clearly express scientific ideas using oral, visual and written communication.
- Apply the scientific method and critical thinking skills to raise questions and define and solve problems.

Mathematics Student Learning Outcome

- Communicate mathematical ideas with clarity and coherence through writing and speaking.
- Apply mathematical models to phenomena of the natural world.
- Make conjectures and prove propositions within the axiomatic structures of mathematics.

School of Liberal Arts Goal

- Apply appropriate technologies in their academic pursuits.

Sociology Student Learning Outcome

- Students will apply their understanding/ mastery of qualitative, quantitative research methodologies, and SPSS to effectively communicate sociological research findings.

School of Business Goal

- Think critically and creatively to solve complex organizational problems using appropriate analytic and quantitative techniques and integrating knowledge and skills from various disciplines.

Management Student Learning Outcome

- Solve complex organizational problems by applying management theory and skills, integrating knowledge from multiple disciplines, and conducting independent research.

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