

LEARNING OUTCOMES

COGNITIVE DOMAIN

Domain of knowledge, intellectual activities, and reflective thinking.

Learning outcomes must be:



Learning outcomes are formulated in a **clear** and **concise** manner using **action verbs**.

"At the end of this class, students will be **able to...**"

Surface learning

Acquisition of knowledge in a theoretical context.

Students usually:

have **low** cognitive engagement

only retain information for a **short time**



REMEMBER

Memorize and retain knowledge related to specific content

Identify
Enumerate
Associate
Name

Define
Describe
Summarize
Etc.

UNDERSTAND

Construct meaning from knowledge acquired

Classify
Compare
Demonstrate
Differentiate
Explain

Interpret
Reformulate
Generalize
Discuss
Etc.

Intermediate learning

Development of skills and relating theory to practice.

Students usually:

have **moderate** cognitive engagement

retain information for a **longer time**



APPLY

Combine knowledge to use it in a given situation

Process
Establish
Modify
Resolve
Propose

Organize
Prepare
Categorize
Determine
Etc.

ANALYZE

Demonstrate reflective thinking to determine links between topics

Target
Compare
Critique
Deduce

Distinguish
Examine
Estimate
Etc.

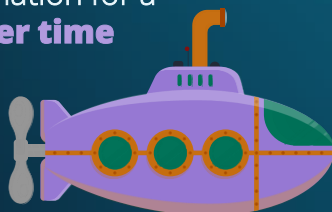
Deep learning

Emergence of change and integration of new skills in real situations.

Students usually:

have **high** cognitive engagement

retain information for a **much longer time**



EVALUATE

Adopt a critical perspective and develop an overall vision of a topic or an idea

Choose
Appreciate
Argue
Recommend
Conclude

Judge
Predict
Defend
Appraise
Etc.

CREATE

Make sense of and produce content

Adapt
Anticipate
Design
Develop
Integrate

Plan
Produce
Structure
Summarize
Etc.