Understanding Instructional Objectives

Three Domains of Learning

- Cognitive
  - Theory
- Psychomotor
  - Physical task
- Affective
  - Personal interactions

Objectives

- Something that one's efforts or actions are intended to attain or accomplish; purpose; goal; target.
- Help the learner take specific steps towards attaining the goal.
- Describe in detail what the learner will be able to do after completing a particular educational experience.

Objectives benefit learners by...

- Providing study guidelines
- Providing content organizational structure
- Allowing learners to evaluate their own progress
- Facilitating communication with instructor
- Making the assessment less threatening

Levels of Cognitive Learning

- Knowledge (level 1)
  1. Recall information
- Application (level 2)
  1. Interpret and apply information
- Problem-solving (level 3)
  - Rearrange, integrate or adapt information

Elements of an objective

- Audience: who
- Behavior: level of the objective
- Conditions: conditions
- Standards: acceptable performance
Verbs

• Knowledge level 1
  • Define, identify, label, list, match, recall, recognize
• Application level 2
  1. Apply, interpret, predict, summarize
• Problem-solving level 3
  • Correlate, evaluate, justify, contrast

Example of Objectives

After this presentation the culinary student will:

1. **List** the steps to make a cake. **Level 1**
2. **Perform** the task of making a cake. **Level 2**
3. **Explain** the importance of following kitchen safety recommendations. **Level 3**

Test Questions based on Objectives

1. Which of the following are the correct order of steps to making a cake?
   **KNOWLEDGE LEVEL**

2. To make a cake at a high altitude, the chef should add an additional egg, decrease the amount of fat and:
   **APPLICATION LEVEL**

3. A chef is attempting to make a cake at an altitude of 3000 feet. She follows the recipe steps and does not deviate from the measurements, and baking time frames. The cake comes out of the oven with a sunken center and is very dry. Before attempting to follow the recipe again, the next steps should be:
   **PROBLEM SOLVING LEVEL**

Immunology example

Unit 1

Upon completing the assignments in this module, the student will be able to:

1. **Define** immunity

   Immunity is ...

   **KNOWLEDGE LEVEL**

Immunology 404

• Objectives: help you study
• Write out objectives
• Quiz questions and exam questions