

GET S-M-A-R-T ABOUT LEARNING OBJECTIVES

SUMMER TEACHING ACADEMY TOOLBOX

MAY 31st , 2017

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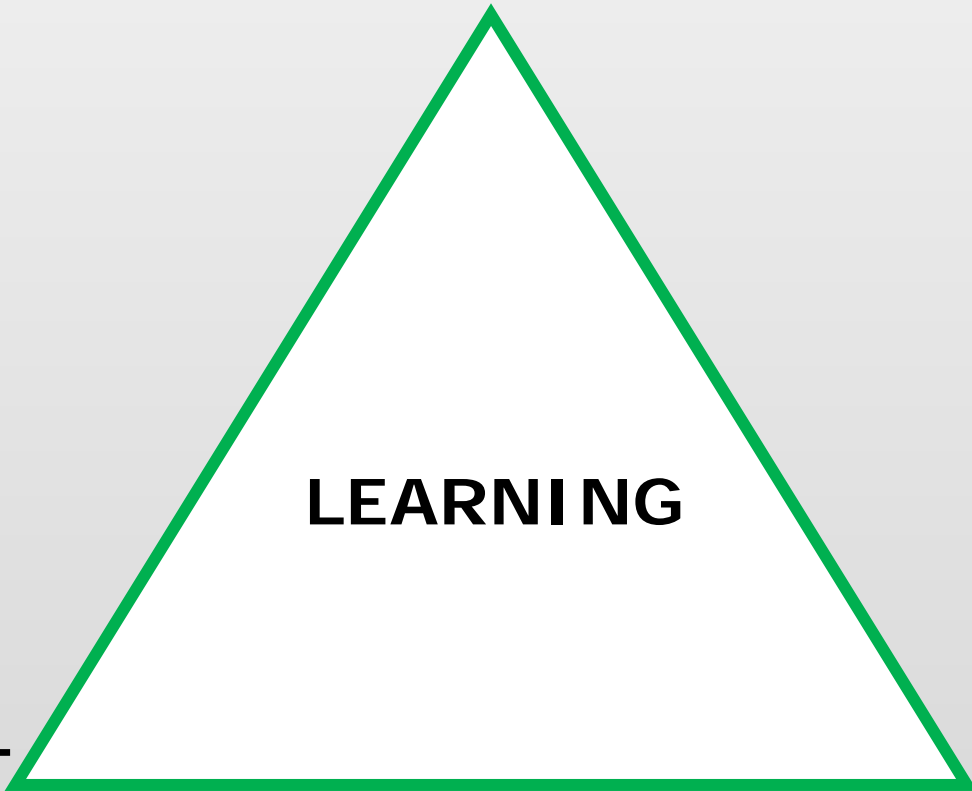


OBJECTIVES

LEARNING

ASSESSMENT

CONTENT



May 31st TA Learning Objectives

- **At the end of today's presentation :**
 - **Attendees will describe the difference between a goal and an objective**
 - **Attendees will construct learning objectives focused on the ABCDs**
 - **Attendees will utilize the SMART acronym to evaluate learning objectives**

What's the difference between a learning goal and learning objectives?

**Goals are broad and
not easily assessable**

**Objectives
are specific and directly
relate to assessments**



Which is of the following is either a **learning objective**, a **course objective** or a **goal**?

1. The Integrated Problems course is designed to help first year students develop effective skills in literature research and in verbal and written communication.
2. Given a set of clinical data, the first year student in Integrated Problems will be able to state a hypothesis and compose research questions
3. In the small group sessions in Integrated Problems, the first year student will be asked to analyze and discuss a case and state its hypothesis, the evidence for the hypothesis and research questions.

<http://www.bumc.bu.edu/facdev-medicine/files/2012/03/WritingLearningObjectivesWebFD.pdf>

Which is of the following is either a **learning objective**, a **course objective** or a **goal**?

1. **The Integrated Problems course is designed to help first year students develop effective skills in literature research and in verbal and written communication.**
2. **Given a set of clinical data, the first year student in Integrated Problems will be able to state a hypothesis and compose research questions.**
3. **In the small group sessions in Integrated Problems, the first year student will be asked to analyze and discuss a case and state its hypothesis, the evidence for the hypothesis and research questions.**

Learning goals have many learning objectives associated with them

LEARNING GOAL

Students will understand integrated clinical medicine and problem solving.



LEARNING OBJECTIVES

- 1 Describe in writing a concise report including a problem list and differential diagnosis for patient with disease X.
- 2 Interpret lab values to make a definitive diagnosis of disease X.
- 3 Compare and contrast infectious versus non-infectious diagnosis of disease X.

Know your ABCDs of Learning Objectives:

- **Audience:** Who is doing the activity?
- **Behavior:** What do you want them to be able to do?
- **Condition:** How will the activity be done?
 - What is the context and content?
- **Degree:** How much should be done?

May 31st TA Learning Objectives

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Practice!

- Use the ABCD method to deconstruct some learning objectives....

Learning Objectives should have these characteristics:



Specific

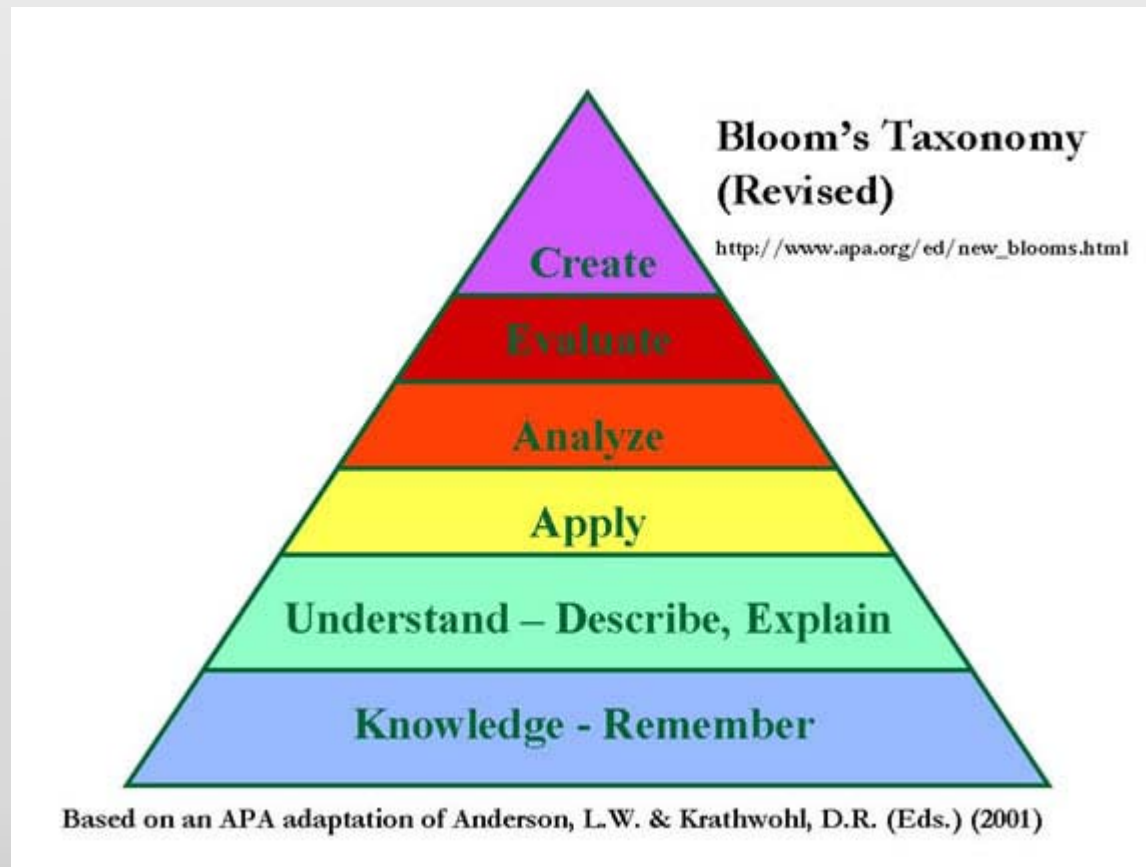
Measurable/Observable

Attainable for target audience within scheduled time and specified conditions

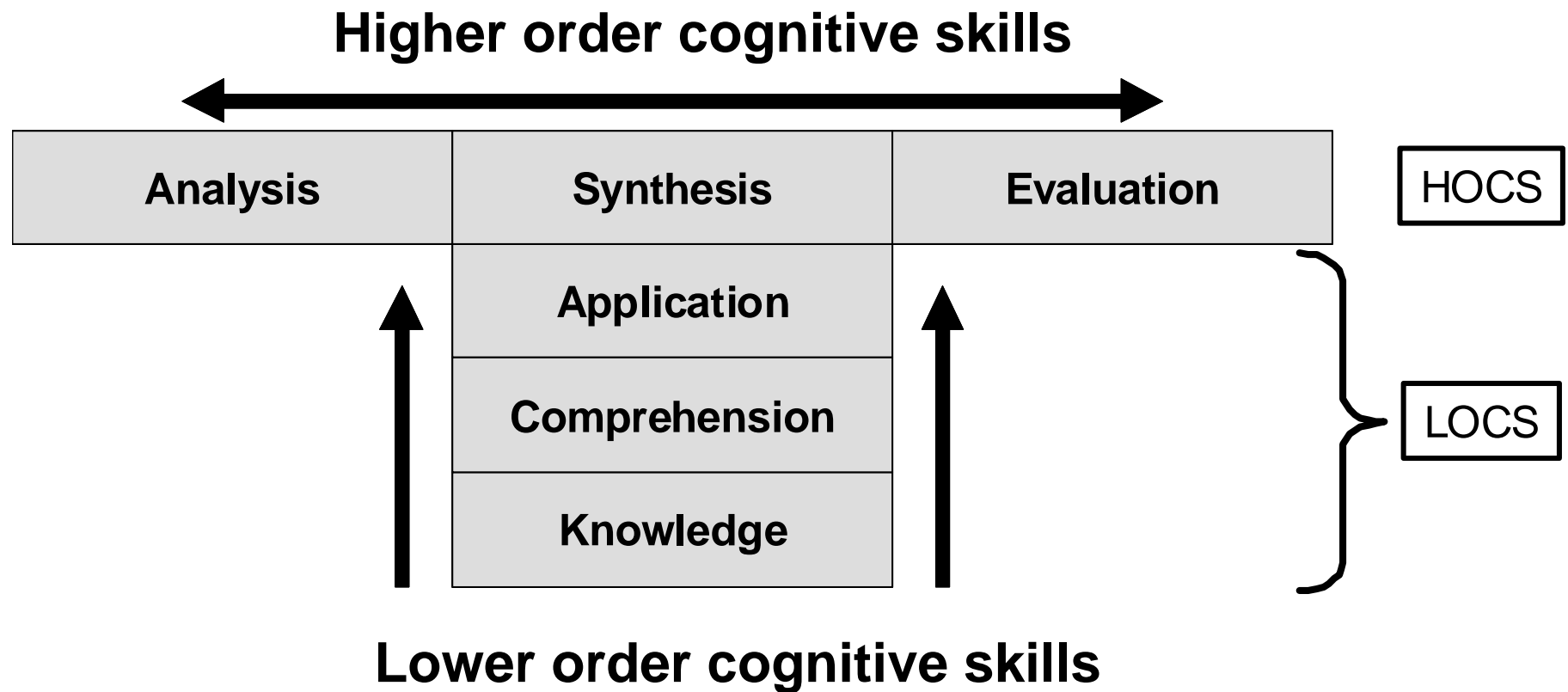
Relevant and results-oriented (**Context of the Content**)

Targeted to the learner and to the desired level of learning

Blooms Taxonomy: Descriptive Terms of Cognitive Skills



Adapted BLOOM'S TAXONOMY



Remember, in order to design effective learning objectives think about (LOCS vs. HOCS):

- **Cognitive level of performance by using use of an active verb (e.g Bloom's Taxonomy)**
- **Focus**
- **Context**

Level of Performance	Focus	Context
Describe	carpal joint anatomy	in the equine
Explain	forelimb lameness	as it relates to fractures of the carpal bones.

Your Turn

- Use the ABCD method to write SMART learning objectives

Audience o Behavior o Condition o Degree

References:

- [http://www.schreyer institute.psu.edu/pdf/Goals and Objectives06.pdf](http://www.schreyer institute.psu.edu/pdf/Goals_and Objectives06.pdf)
- <http://www.schreyer institute.psu.edu/pdf/Developing Student Learning Goals Objectives.pdf>
- [http://www.umass.edu/oapa/oapa/publications/online handbooks/course based.pdf](http://www.umass.edu/oapa/oapa/publications/online_handbooks/course_based.pdf)
- <http://www.bumc.bu.edu/facdev-medicine/files/2012/03/Writing Learning Objectives Web FD.pdf>