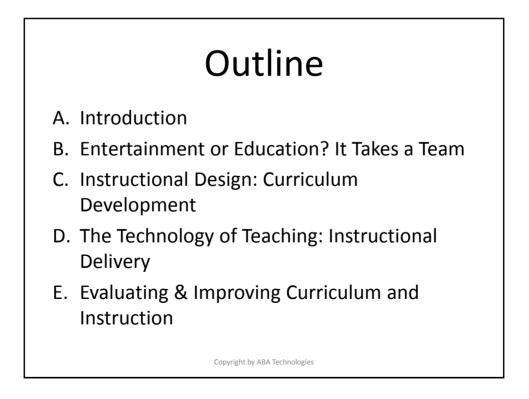
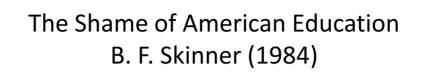
Using Behavior Analytic Instructional Methods and Organizational Behavior Management to Train Behavior Analysts

> Jose Martinez-Diaz, PhD, BCBA-D Florida Institute of Technology & ABA Technologies, Inc.

> > Copyright by ABA Technologies



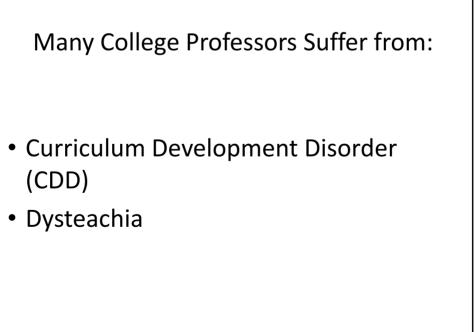


"It has long been said that college teaching is the only profession for which there is no professional training. Would-be doctors go to medical schools, would-be lawyers go to law schools, would-be engineers go to institutes of technology, and would be college teachers just start teaching."

(American Psychologist, 39)

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3



# Outline

- A. Introduction
- B. Entertainment or Education? It Takes a Team
- C. Instructional Design: Curriculum Development
- D. The Technology of Teaching: Instructional Delivery
- E. Evaluating & Improving Curriculum and Instruction

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## It is Predicted That...

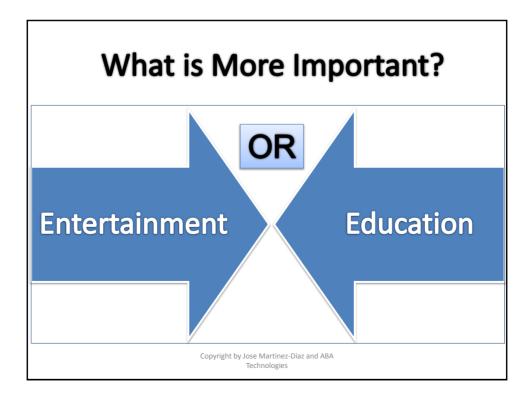
"By 2015, **25 million** post-secondary students in the United States will be taking classes online. And as that happens, the number of students who take classes exclusively on physical campuses will plummet from 14.4 million in 2010 to just 4.1 million five years later..."

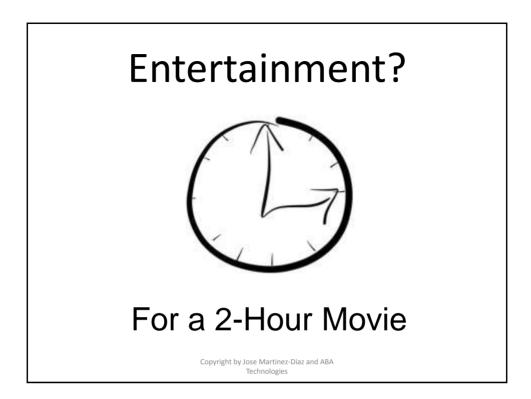
Ambient Insight Research , January, 2011

"The meta-analysis found that, on average, students in online learning conditions performed better than those receiving face to face instruction."

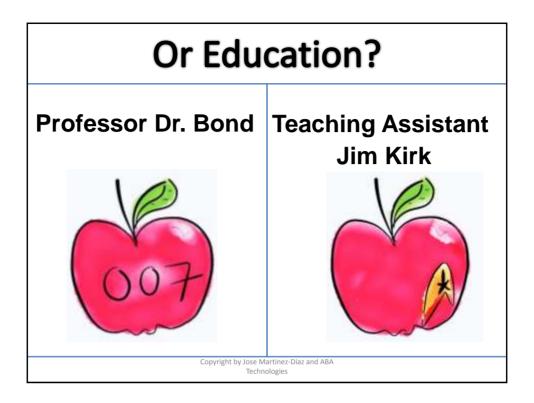


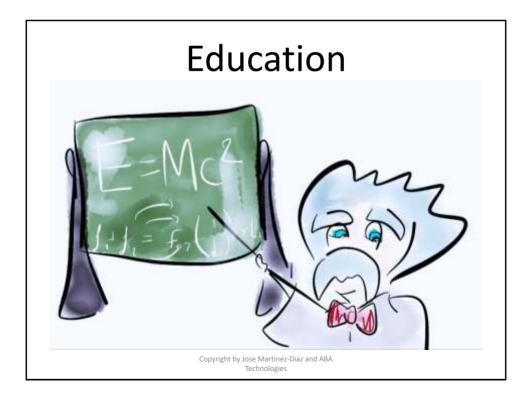
- Attributed to additional learning time and instructional elements
- Literature Research 1996 2009
- Contrasted online to face to face condition
- Measured student learning outcomes
- Provided adequate information to calculate an effect size.





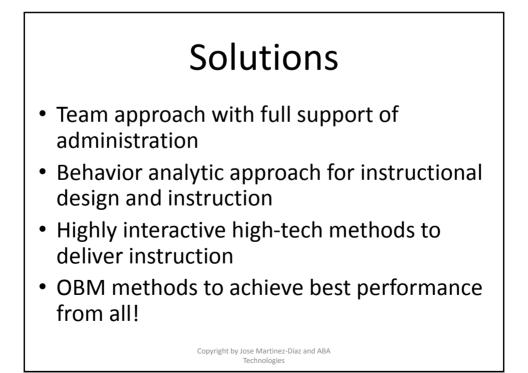


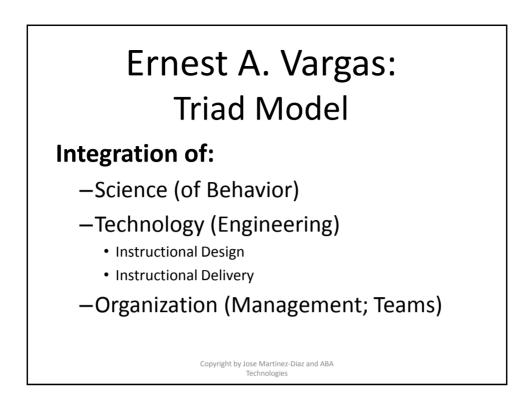


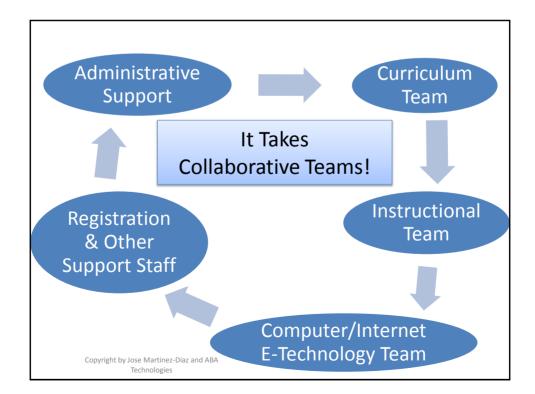


## So...

How do we DESIGN, DELIVER, and TEACH online courses without compromising educational outcomes?

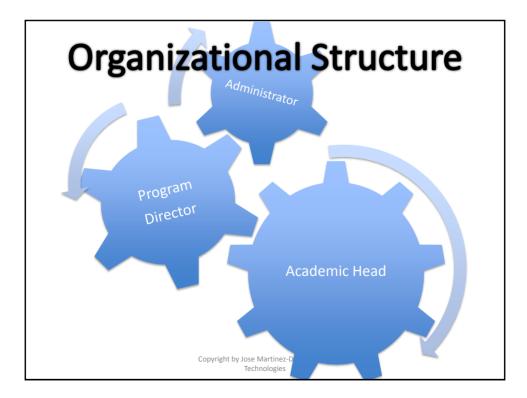






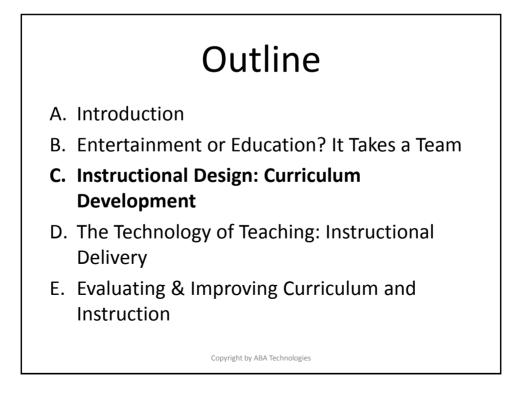
## You Need a Team...

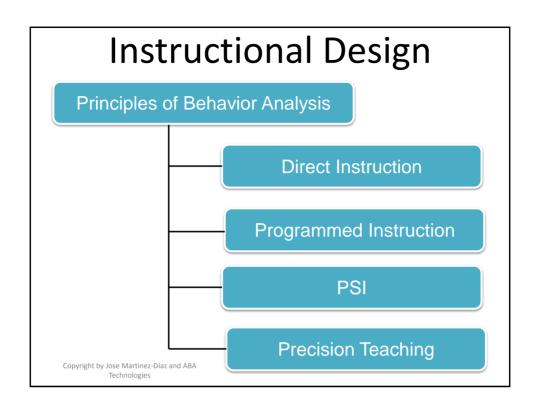
- Academic Head + Program Director + Administrator
- Curriculum Team
- Instructional Team
- Evaluation & Improvement Team
- Computer Instructional Technology Team
- Support staff
- Administrative support!

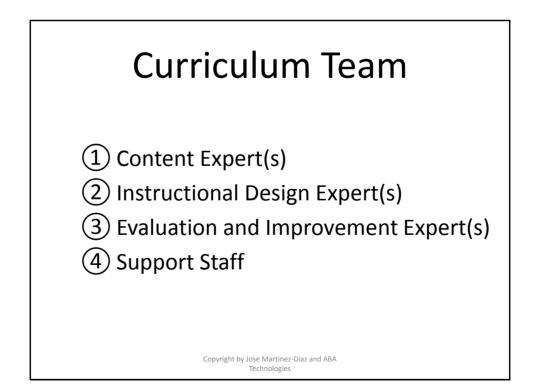


## **Organizational Structure**

- Head, School of Behavior Analysis (Jose)
- Program Director (Jose)
  - Lead Instructor
  - Curriculum Teams
  - Instructional Teams
- Administrator (C. Schmitt, MA, MS)
  - -E-Technology & Tech Support Teams
  - Registration Team

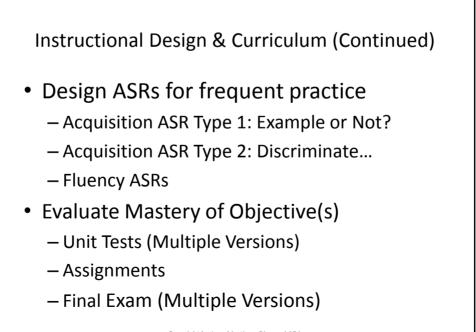




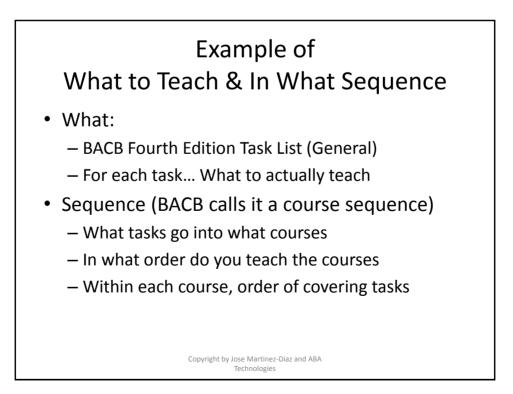


- What to teach
- In what sequence
- Learning objectives
- Critical attributes
- Variable attributes
- Examples (that tie to critical attributes)
- Non-examples (that tie to critical attributes)
- Instructional materials

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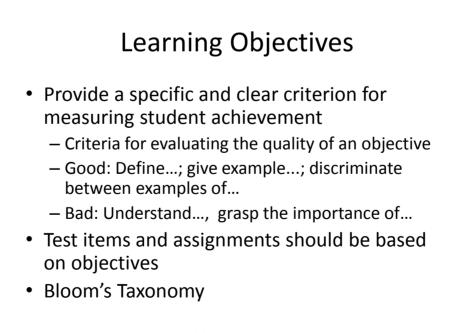


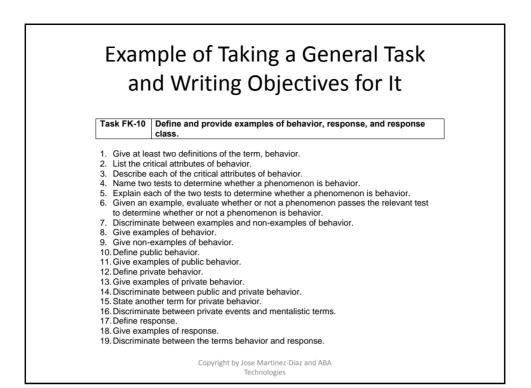
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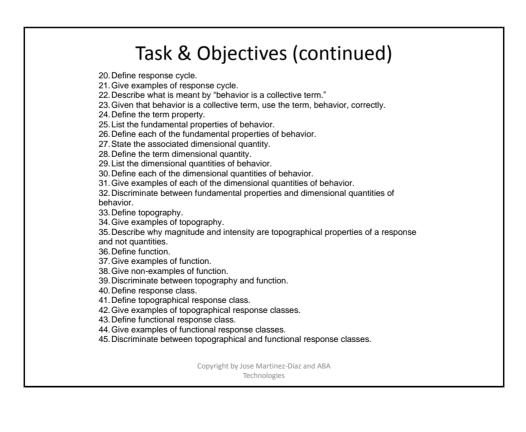


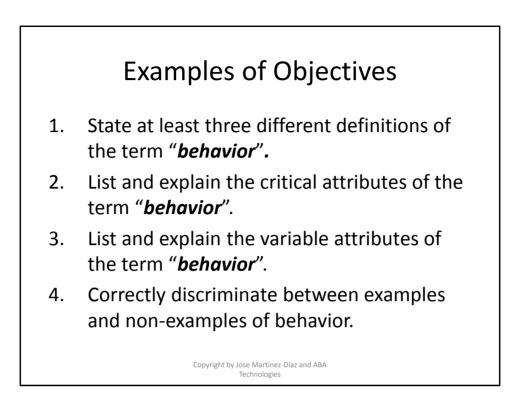
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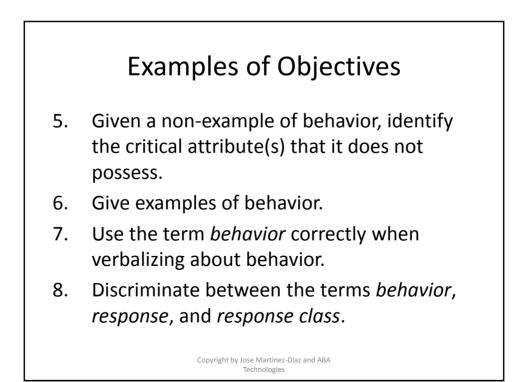
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## Example of Definition

"Behavior is that portion of an organism's interaction with its environment that involves movement of some part of the organism."

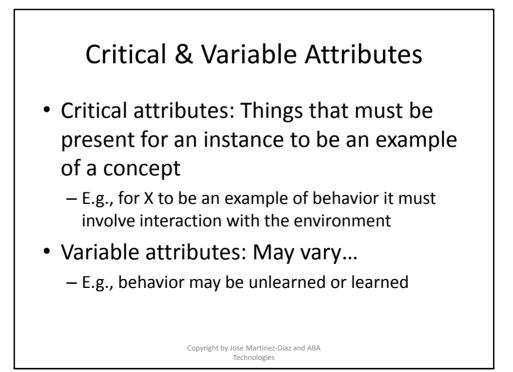
(Johnston & Pennypacker, 2009)

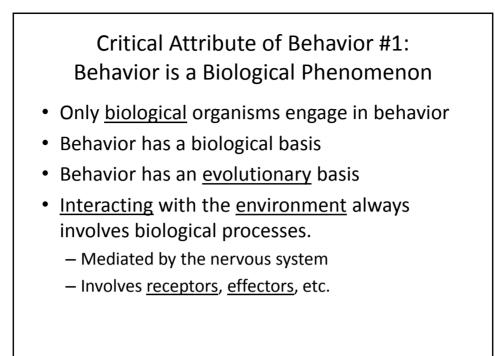
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#### Example of Critical Attributes of Behavior

- 1. Behavior is a biological phenomenon.
- 2. Involves movement (actions)
- 3. Can only be done by a living organism
- 4. Observable
- 5. Measurable
- 6. Involves interaction with the environment

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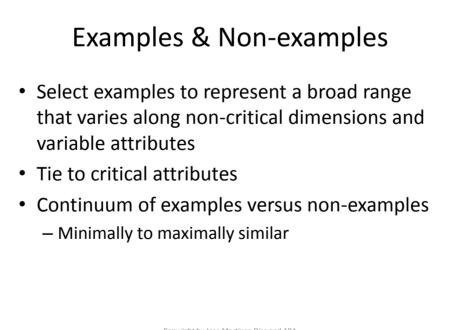






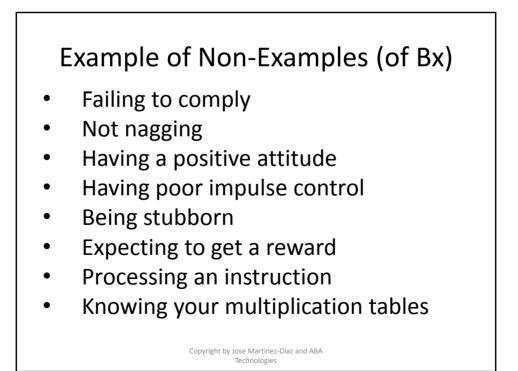
- The organism behaving
- Topography
- Learned vs. unlearned
- Respondent vs. operant vs. schedule induced
- Private vs. public
- Social vs. automatic & Verbal vs. non-verbal
- Discrete response vs. Not & Single R vs. chain
- Requires manipulandum (or not)
- Socially appropriate or not
- Effect on the environment

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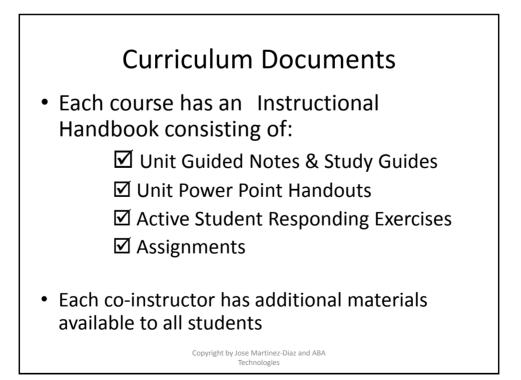


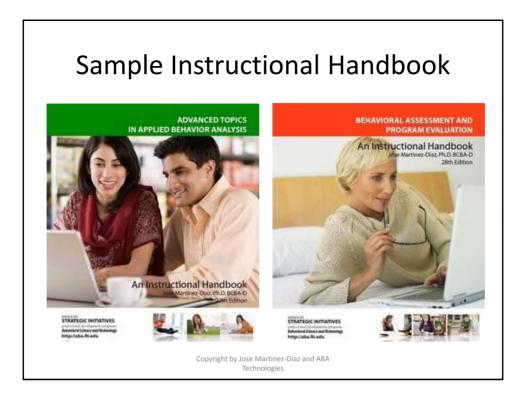
## Example of Examples (of Bx)

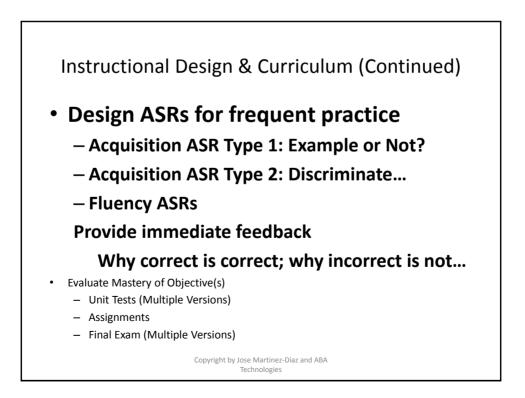
- Doing sit-ups
- Doing one's laundry
- Practicing playing guitar
- Completing one's homework
- Asking someone out to dinner
- Refusing dessert when offered
- Covertly multiplying 12 X 15

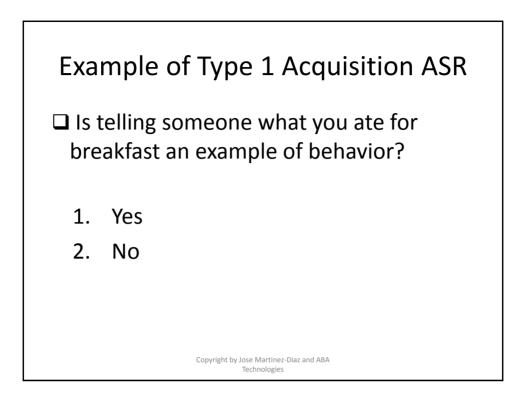


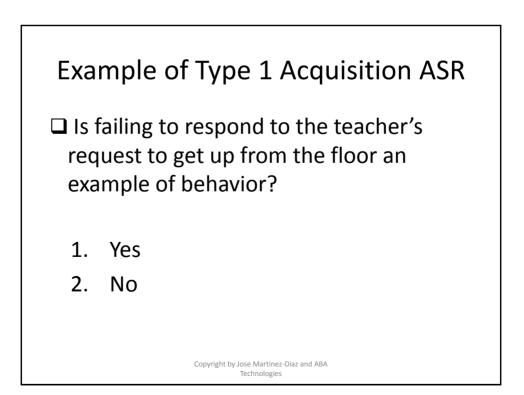
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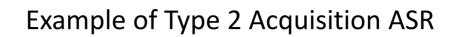








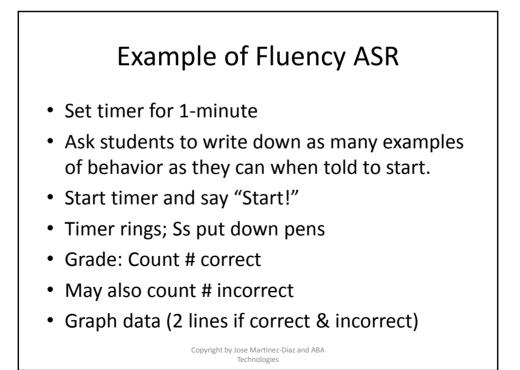


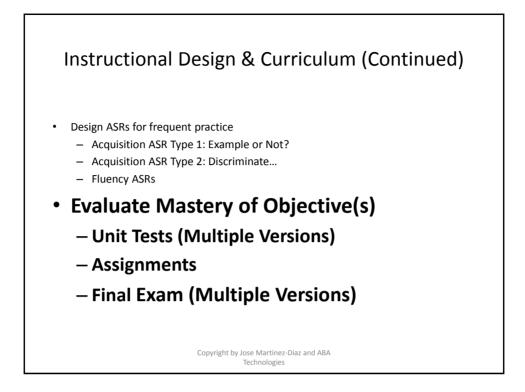


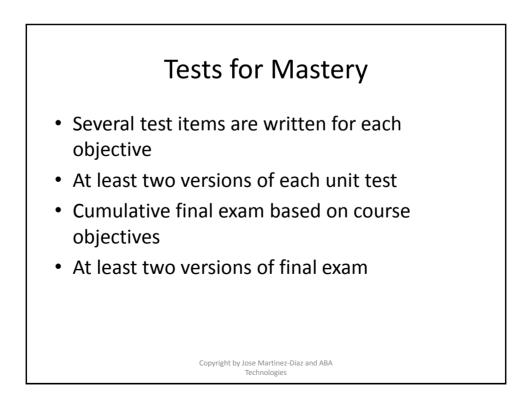
Failing to respond to the teacher's request...

U Which critical attribute does it fail to meet?

- 1. A function has not been determined.
- 2. "Behavior" is a collective term, and should not be used in plural form.
- 3. The topography is not described.
- 4. Does not pass the Dead Person's Test.



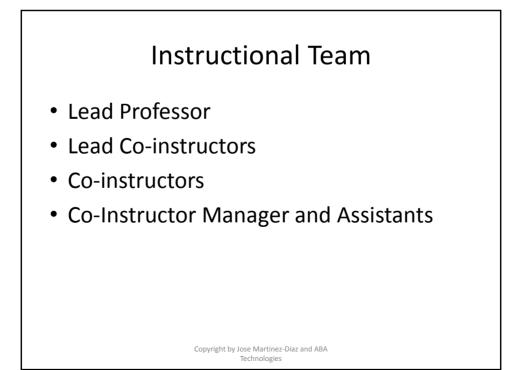


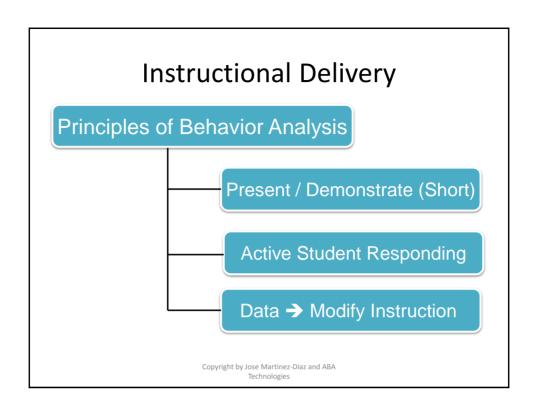


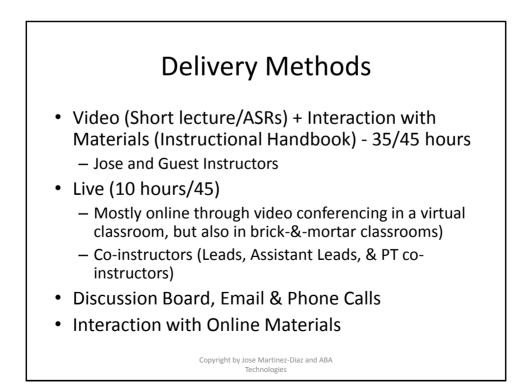
# Outline

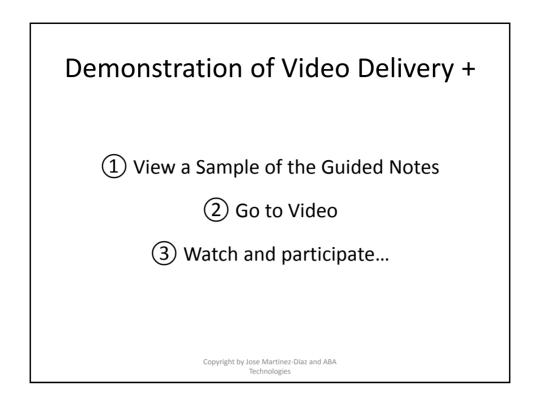
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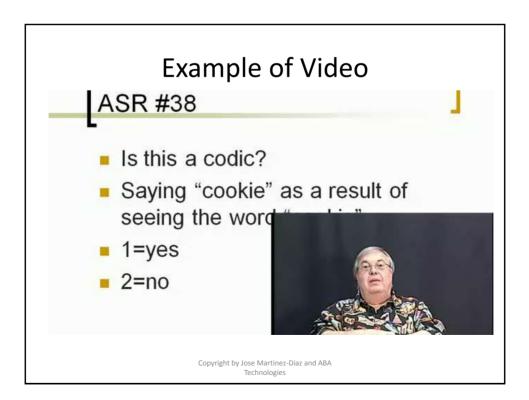
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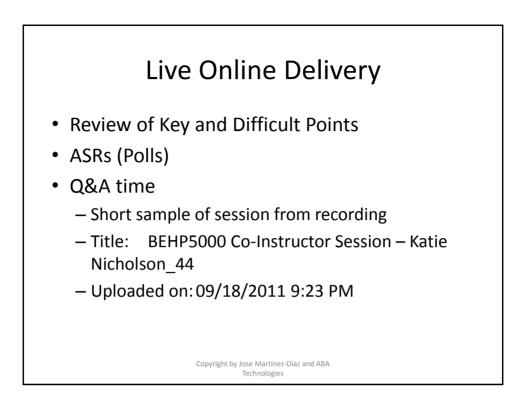


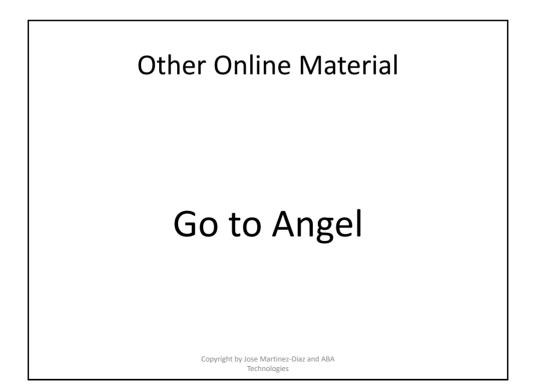








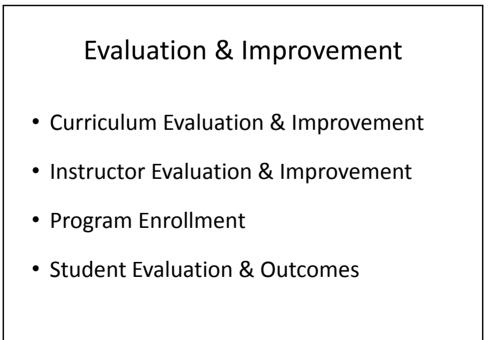


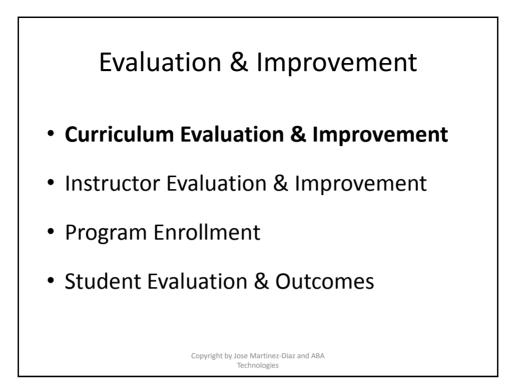


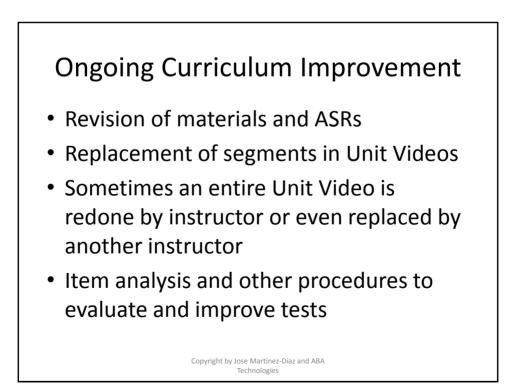
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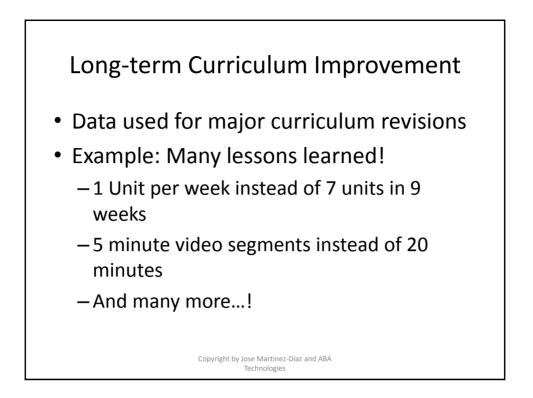
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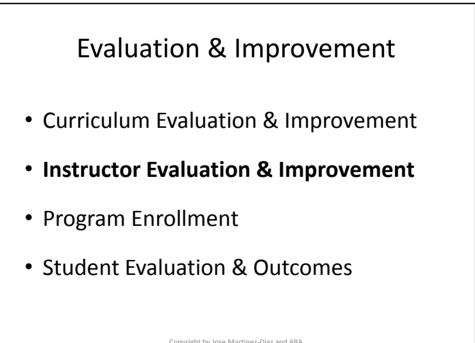
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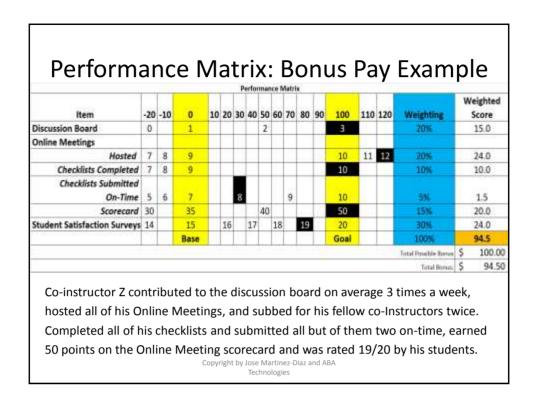


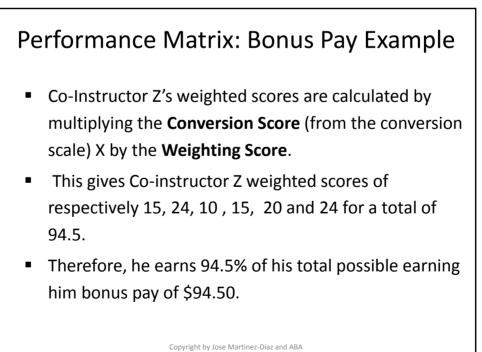


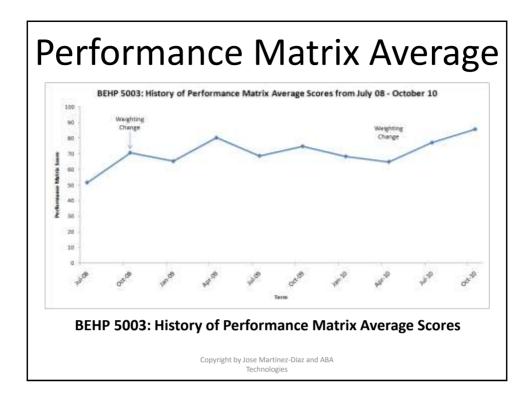


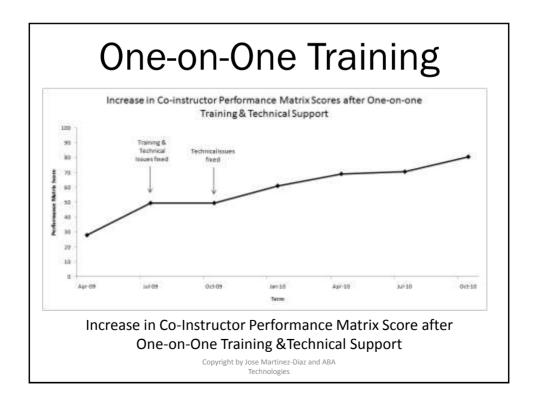


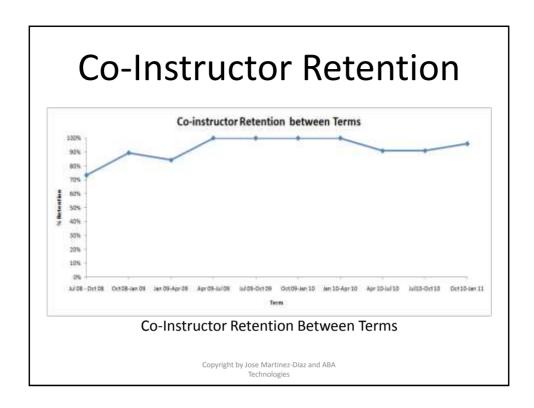


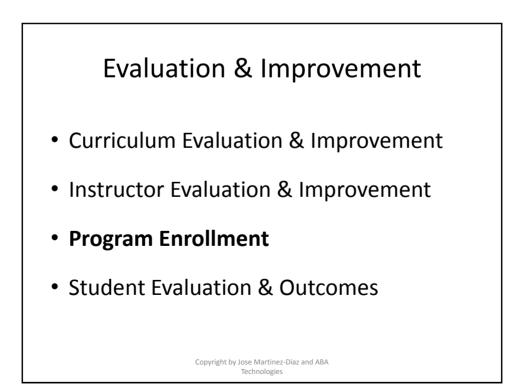


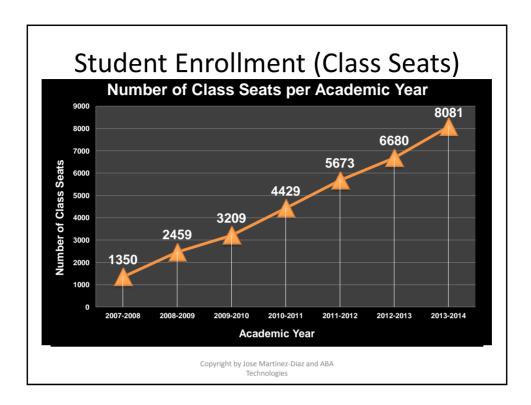


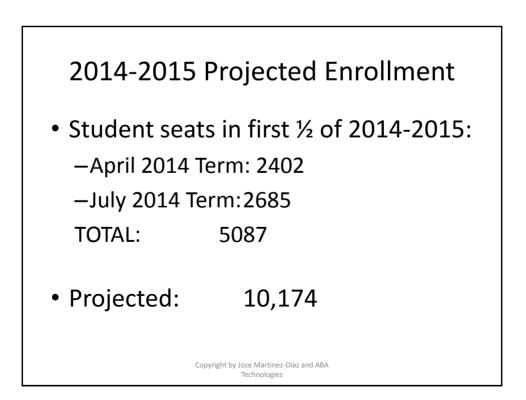


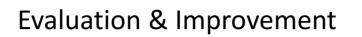








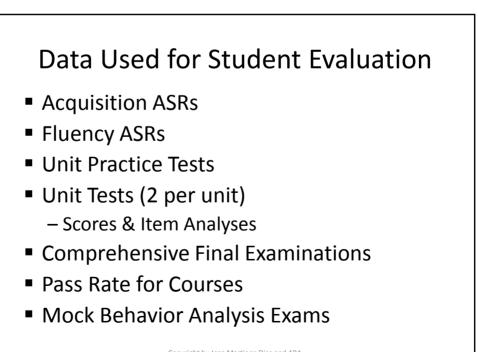


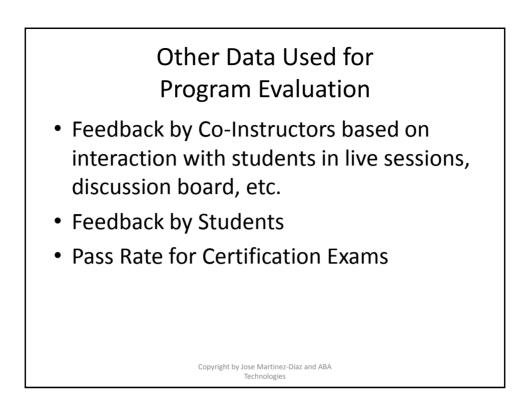


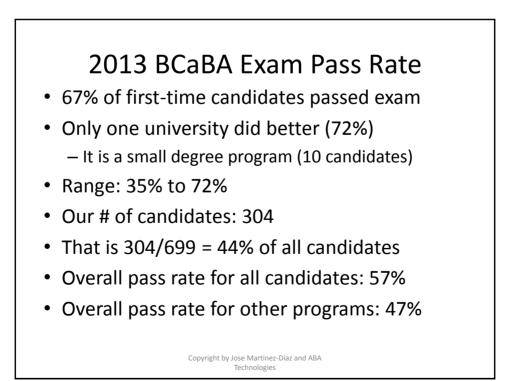
- Curriculum Evaluation & Improvement
- Instructor Evaluation & Improvement

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- Program Enrollment
- Student Evaluation & Outcomes







#### 2013 BCBA Exam Pass Rate

- FIT's ABA Online Pass Rate: 66%
- Average Pass Rate: 58%
- Range: 0% to 100%
- # of FIT Candidates: 566
- That is 566/3006 = 19% of all candidates
- All programs with higher pass rates were very small degree programs
- Second largest certificate program: 56% (172)

