Pre-Departure Technology
Enhanced Instruction

International study abroad and internship at the Roatan Institute for Marine Sciences, Honduras

Liz Balko & Teri Bolton
Pre-departure Instruction Enhances Overseas Education Programs at RIMS

• Primes students for intercultural learning
• Increases experiential understanding of husbandry and behavior
• Improves ability to identify & record behavioral signaling among dolphins
• Facilitates critical thinking, hypothesis-driven inquiry & data analysis
Backward Course Design (Wiggins & McTighe 2005)

1. Identify desired learning outcomes
2. Design assessment activities to evaluate learning outcomes
3. Plan learning experiences and instruction
Program Learning Outcomes

1. Demonstrate intercultural competence through journaling

2. Demonstrate ability to identify and record behavioral signaling among dolphins

3. Collect, analyze, and interpret behavioral data

4. Discuss scientific findings (final paper & poster presentation)
Case Study
Pre-departure Online Modules
Matching Learning Outcomes/Activities

Photo-identification
Skill Building

Smart Videos Build ID
Skills
Matching Learning Outcomes & Assessments

**QUESTION 4**
The following dorsal fin image belongs to?

- a. Beasley
- b. Maury
- c. Gracie
- d. Carmella

**Online Quizzes**

**Onsite Review**
Matching Learning Outcomes/Activities

Inter-observer reliability
Matching Learning Outcomes/Activities

Student Research on Behavioral Signaling & Social Alliances
Thank You

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