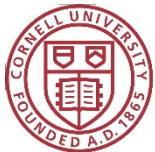


Pre-Departure Technology Enhanced Instruction

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

Liz Balko & Teri Bolton



Cornell University







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

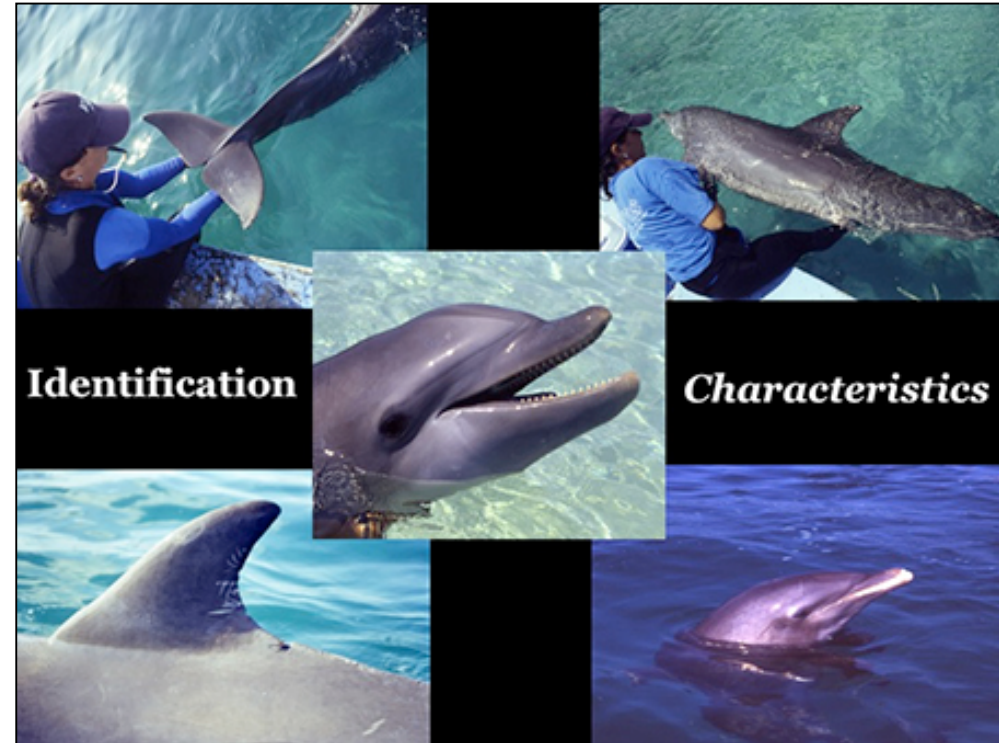
QUESTION 4

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



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