Use of Supplementary Materials in a Distance Education Equine Science Class

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ANS 110: Introduction to Equine Science

• Introduction to Equine Science is a course designed for freshmen and sophomores of any major.

• We discuss terminology, impact of horses on history and society, breeds, management, genetics, reproduction, health, nutrition, behavior, riding, and business aspects of the horse industry – *Horse 101*

• Natural Sciences - General Education Program
Distance Education Set-Up

- Course-pack Textbook
- Moodle
  - Recorded powerpoint lectures (Camtasia)
  - Online quizzes and exams
  - Supplemental material
Faculty Provided Tools

- Pratt-Phillips and Medlin, 2013
- In-Class students (not DE)
- Textbook valued highly
- In class videos, other links – variable
Online Activity and Performance

• Pratt-Phillips, 2010

• Students who were successful in the course (A and B grades) were more active online
Use of Supplemental Materials

- Bing, Pratt-Phillips and Farin 2012
- Anatomy of Domestic Animals
- Traditional format laboratory
  - Supplemented with online materials
    - Videos of dissections, etc.
Distance Education Set-Up

- Course-pack Textbook
- Moodle
  - Recorded powerpoint lectures (Camtasia)
  - Online quizzes and exams
  - Supplemental material
Objective

• Determine the use of supplemental videos and other material by students

• Was use related to final grade
Methods

- 24 students, online summer class
- Use “reports” function to determine the number of “views”
  - Recorded lectures
  - Videos
  - Supplemental reading
  - Worksheet
Total Views

- Most students watched the lecture recordings
- Fewer views of other materials
Lecture Views and Final Grade

- $R^2 = 0.30$
- $P = 0.007$
Supplemental Views and Final Grade

- $R^2 = 0.11$
- $P = 0.12$
Discussion and Conclusion

- Watching the lectures appeared to be associated with higher grades
- Supplemental materials are not required to do well in class
- Little intrinsic interest to view materials

- Goal: Increase value of supplemental materials
Thank you!

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