

Use of Supplementary Materials in a Distance Education Equine Science Class

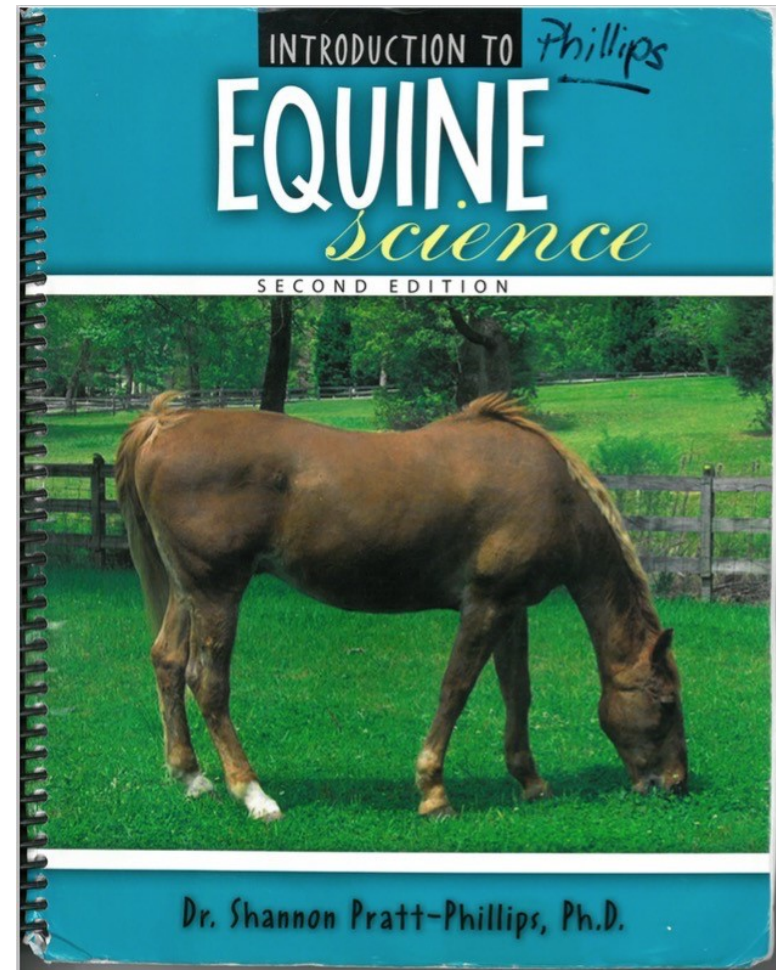
Shannon Pratt Phillips, PhD
Department of Animal Science
North Carolina State University

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

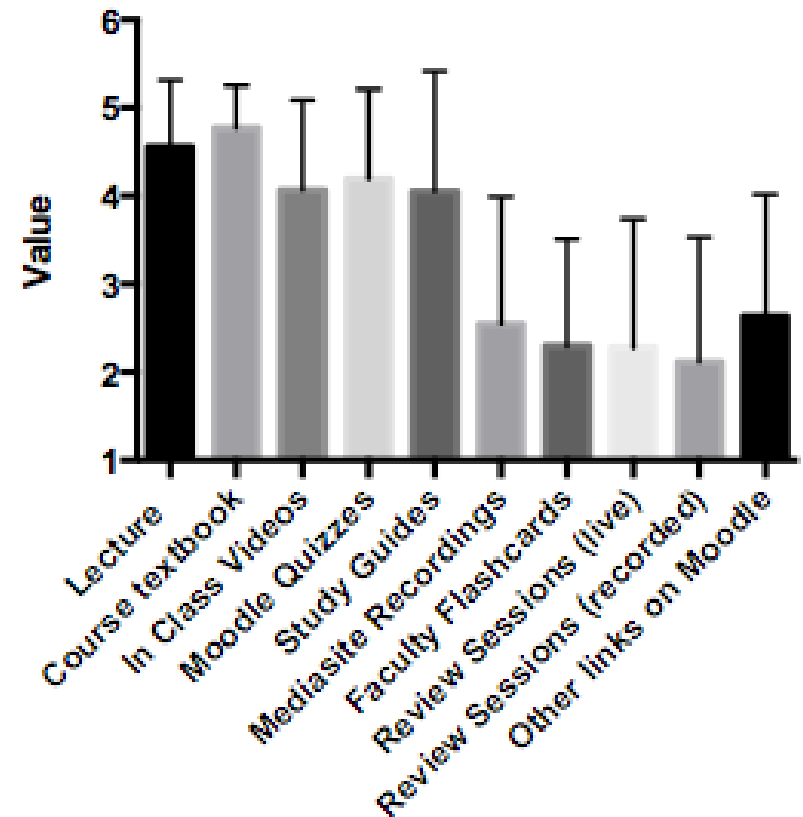
Distance Education Set-Up

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



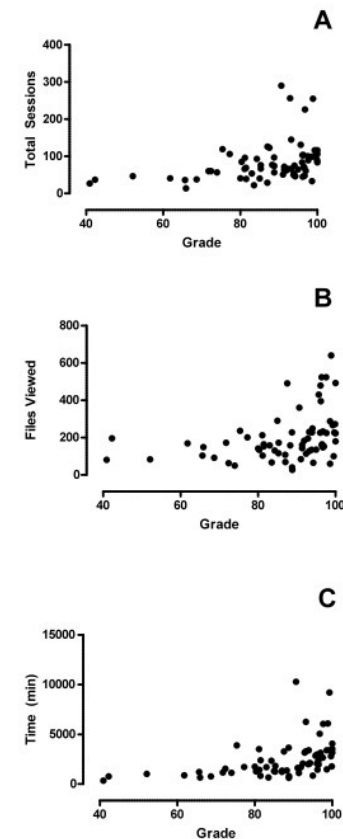
Faculty Provided Tools

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



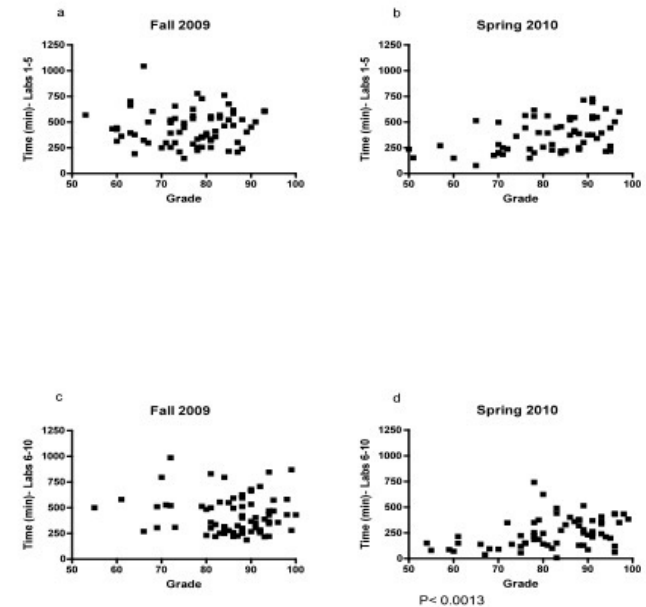
Online Activity and Performance

- Pratt-Phillips, 2010
- Students who were successful in the course (A and B grades) were more active online



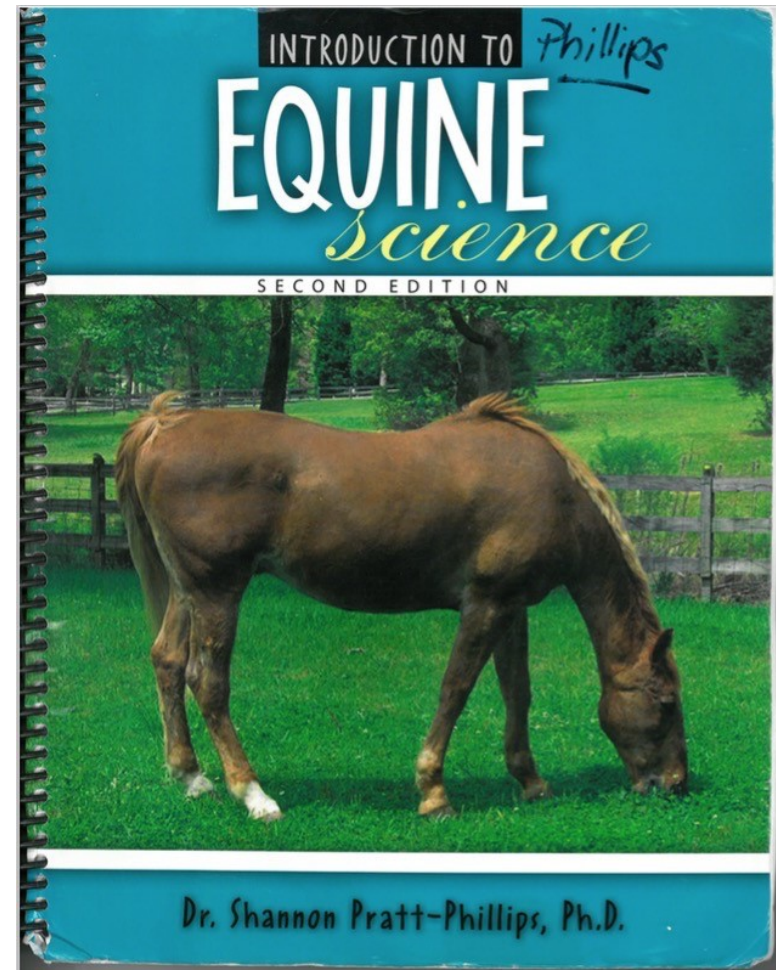
Use of Supplemental Materials

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



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DE INTRO TO EQUINE SCIENCE



[ANS 110 Introduction to Equine Science Summer 2015](#)

[Announcements](#)

[DE Intro Summer 2015](#)

General Course Information

[About your professor, Dr. Pratt-Phillips](#)

[Trot to Trophy!](#)



[Distance Education - Frequently Asked Questions](#)

[Instructions for watching lectures](#)

[Textbook Typos](#)

[Section 7 - Hoof and Lower Limb](#)

[Farrier Video](#)

[Equine Tendons and Ligaments](#)

[Hoof/Lower Limb Pictures](#)

[Hoof and Lower Limb Problems: Fill-In Chart](#)

[Section 8 - Equine Health](#)

[Weblinks from Health Lecture](#)

[TPR Video Clip](#)

[Heart rate and pulse video clip](#)

[Equine Hoof Care video](#)

[Respiration video clip](#)

[Temperature video clip](#)

[Circulation video clip](#)

[Teeth Floating Video](#)

[Farrier Video](#)

[Section 9.1 - 9.3 Equine diseases and immunity](#)

[Diseases Organization Chart](#)

[Parasite Life Cycles, Deworming, and Vaccination Resources](#)

[Section 9.4 - Parasites](#)

[Fecal Egg Count Method](#)

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

Section 7 - Hoof and Lower Limb

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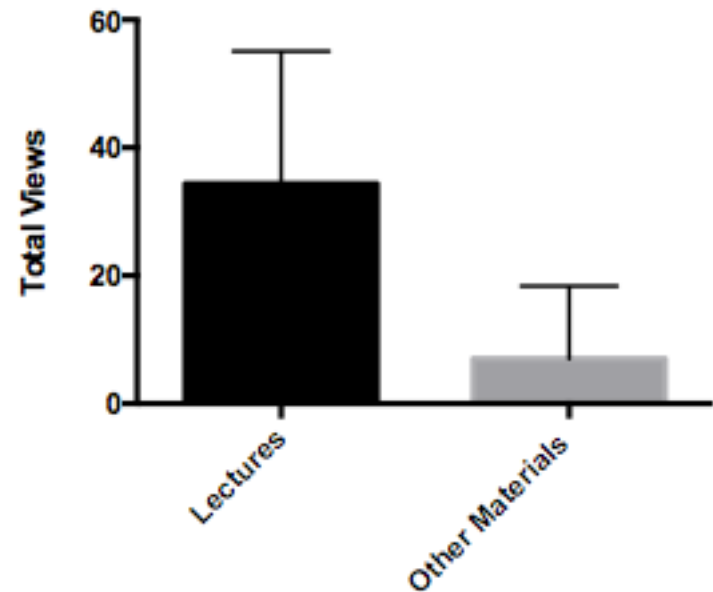
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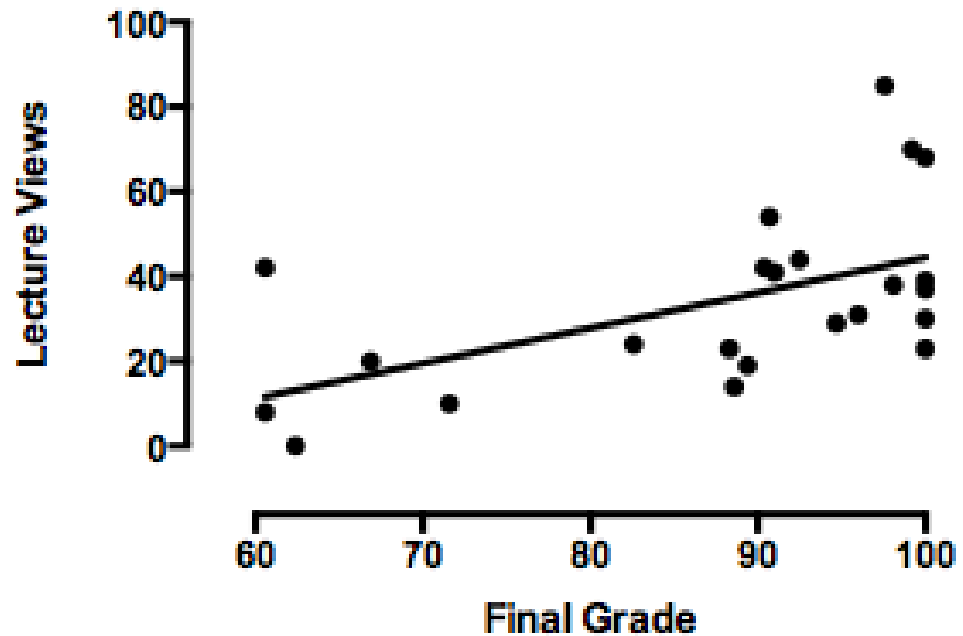
Total Views

- Most students watched the lecture recordings
- Fewer views of other materials



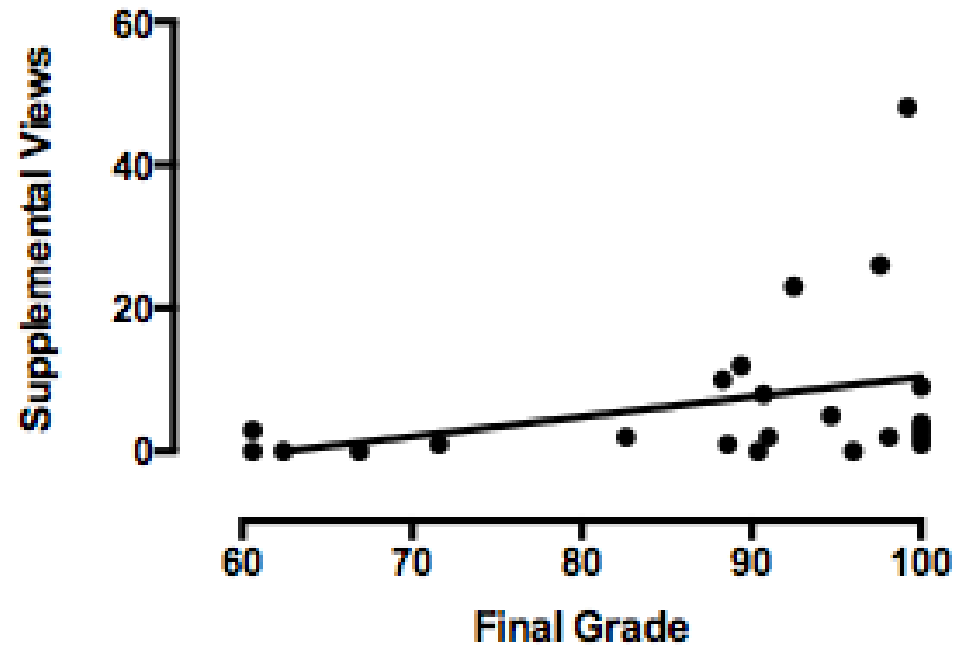
Lecture Views and Final Grade

- $R^2 = 0.30$
- $P = 0.007$



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!

- Shannon Pratt Phillips, PhD
- Associate Professor, Equine Nutrition & Physiology
- Department of Animal Science
- North Carolina State University
- sepratt2@ncsu.edu