

Impacts of Course Delivery Methodology and Duration for a Hands-On Learning Based Approach to Livestock Handling

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Background

◆ Undergraduate demographics and needs

- More urban backgrounds
- Limited livestock experience or focus in only one specie
- Expressed concerns to being at a disadvantage in senior exit interviews and end of semester surveys
 - More experience and proper training
 - Aid in preparation for upper-level courses
 - Safety and liability issues

In Response

- ◆ **AnS 190X: Livestock Handling, Safety and Well-Being**
 - Sheep, swine, poultry, horses, beef- and dairy cattle
 - Biosecurity, compromised animals and transportation
 - Offered as either an eight-week course or an intensive one-week course
 - Enrollment limited to 24 students
 - Assessed through online quizzes, final written exam and final lab practicum assessment

Study

◆ Objective:

- The objective of this study was to determine if the course duration effected student material retention and final laboratory practicum grades.

◆ Course enrollment:

- Eight-week course: n=22
- One-week course: n=23

Results

Mean Average Scores for AnS 190X Courses

	One-week course (n=21)	Eight-week course (n=22)	<i>P-Value</i>
Quiz Scores	87.16	82.15	0.02
Final Exam	86.38	82.73	0.03
Lab Practicum	90.91	78.73	<0.001
Final Grade	91.62	89.12	0.01

Discussion

◆ One-week vs. eight week

- Time between class periods
- Demographics of class enrollment
 - Classification
 - Major
 - Background

Conclusion

- ◆ Students enrolled in the intensive one-week course, had greater overall retention of material

**THANK YOU FOR YOUR
ATTENTION**

QUESTIONS?