

Name and Area of Specialization

Joe Neary, MA, VetMB, PhD.
Cardiopulmonary Physiology and Epidemiology

In 250 words or less explain the nature of your research

I typically work with food animal species. I'm interested in exploring the link between the health and function of the heart, lungs, and gastrointestinal system. Recent projects include evaluating the relationship between venous blood pressure and liver disease in feedlot cattle, determining if hypoxia is associated with "leaky guts" in calves, and a bovine calf model of diastolic heart dysfunction, a major cause of heart failure in humans. I also conduct epidemiological studies on cattle health data.

Do you accept undergraduates into your lab for research

Yes

Are you currently accepting undergraduates into your lab

Depends on what they want to do

Do you offer pay to undergraduate researchers

Depends (Explain: If funding is available from the Honors college, CALUE, or other funding agency)

What is the undergraduate's role?

Other (Explain: The student will typically work as part of a team during the collection of various animal samples and measurements. There may be other times when the student works independently such as animal feeding and cleaning. It also depends on the project: Epidemiology studies will be conducted alone, but with my supervision)

How many hours/wk do you expect student to be in lab

5 to 10 hours. Depends on the project.

In 250 words or less, what are your expectations for an undergraduate researcher:

Honesty, integrity, and attention to detail.

Will Students be included in presentations and/or publication if they meet expectations?

Yes

Do you have any course prerequisites before students are accepted in your lab?

No.

How do you prefer for students to contact you to inquire about working in your lab?

Email: joe.neary@ttu.edu