Special Seminar Speaker – Lauren Hanna, Coordinator

Speaker: Faithe Keomanivong, NDSU ANSC Graduate Student

Topic: Health Hazards and Waste Management

Date/Time: November 22; 10:00 a.m.

Location: Hultz Hall 104

Faithe grew up in Mechanicsville, IA. She received her B.S. in 2008 and M.S. in 2011 in animal science from Iowa State University. Currently she is working toward a Ph.D. with an emphasis on ruminant nutrition under the direction of Dr. Kendall Swanson. Her research has focused on the effects of nutrient intake and variable ration formulation on rumen and pancreatic enzyme activity.

Speaker: Matthew Crouse, NDSU ANSC Graduate Student

Topic: Comparison of Expression of Glucose, Fructose, and Cationic Amino Acid Transporters in Bovine Caruncular and Intercaruncular Tissue Between the Pregnant and Non-pregnant Uterine Horn from days 16 to 50 of Gestation

Date/Time: November 22; 10:00 a.m.

Location: 10:00 AM in Hultz Hall 104

Matthew grew up in El Paso, TX. He received his B.S. in animal science in 2014 from New Mexico State University with a minor in chemistry and an emphasis in equine science. He is currently finishing his M.S. with an emphasis in nutritional physiology under the direction of Dr. Joel Caton. His research focuses on establishing temporal changes in expression of fructose, glucose, and cationic amino acid transporters in bovine utero-placental tissues during the first 50 days of gestation.
Quadrathlon Scholarships – Kasey Maddock Carlin
Just a reminder to all animal sciences students to consider putting together a team of four to compete in the local quadrathlon competition! It is a great chance to show off all that you know and have learned about animal science! And it is a chance to compete with and against your friends and classmates. There will be free pizza at the competition on Tuesday, November 29. Some of department faculty members are providing extra credit for students who participate.

SCHOLARSHIPS!!! The winner team from NDSU will compete at the Midwest ASAS Meetings in Omaha, NE in March. Members of the winning team will receive a $250 scholarship sponsored by NDSU Animal Sciences.

When and Where: November 28 – Quiz Bowl, Hultz Hall, 4:00 p.m.
November 29 – Lab Practical and Written Test, ANPC, 5:00 p.m.
FREE PIZZA!!!
November 30 – Quiz Bowl Final Rounds, Hultz Hall, 4:00 p.m.
Presentations – based on team schedule

Teams should sign up with Loren Baranko (loren.l.baranko@ndsu.edu) or Kasey Carlin (kasey.maddockcarlin@ndsu.edu) or see Deb Peters in Hultz 102.

Animal Shelter Holiday Donations Being Collected – Kady Rath
The Veterinary Technology Club has put up Christmas stockings in Robinson Hall to collect toys, treats, rawhides, gift cards, or monetary donations for the local animal shelters we work with in the Veterinary Technology program.

All gift cards and monetary donations can be turned in to Kari Bolgrean in Robinson Hall.

Online Growth and Development Class – Kasey Maddock Carlin
The University of Minnesota is again offering an online growth and development class. Lectures are offered by experts in each area covered by the class from the University of Minnesota, Texas A&M, Texas Tech, and Ohio State. Students taking the class are from more than 15 universities. Students who have taken this class have found it beneficial and interesting and enjoyed the opportunity to interact with students from all different parts of the country.

Last spring, the students enrolled in the class watched class lectures on their own time. However, as offered before and if requested, we can set up a video feed for the live lecture that occurs on Mondays and Wednesdays from 9:00-10:15 a.m. Tests will be proctored on campus by Kasey Maddock Carlin and sent out for grading.

Anyone interested in taking this class should enroll in ANSC 793, section 5 (class number 9105) for three credits If you have questions, please contact Kasey at kasey.maddockcarlin@ndsu.edu.
**Bits and Pieces**

**Travis Hoffman** is shown sorting the Suffolks during the junior sheep show at the North American Livestock Exposition in Louisville, KY. Travis is the NDSU Extension Sheep Specialist.

**Dale Redmer** will retire at the end of December after nearly 31 years at NDSU. The department will hold a retirement party in his honor. Mark your calendar and join us for this festive event!

Jennifer Young, Mary Berg, and Shelly Swandal were the winners of the First Day of Measurable Snowfall in Fargo Contest for 2016. Fargo received 2.1 inches of snow by midnight on Thursday, November 17. Therefore, the official first day of measurable snow of the season in Fargo was November 17. The winners will receive certificates from Adnan Akyuz, professor of climatological practice who puts on the contest.