MEMORANDUM OF UNDERSTANDING

Congratulations to Dr. Memili on the memorandum of understanding between Bogor Agricultural University (IPB) and Mississippi State University. This is a testament to the quality scholarship of our Department and how we enhance global visibility.
Calf College 2018

**Guest Speakers**

- Calf Health
  - Dr. Brett and Dr. Tamor

- Calf Housing and Behavior
  - Dr. Krawczel, University of Tennessee

- Calf Nutrition
  - To Be Determined

**Thursday | 9.20.18**
Room 201 of Lincoln County Extension Office
301 S. 1st Street
Brookhaven, MS 39601
10 AM to 2 PM

**Friday | 9.21.18**
Room 4044 of Wise Center
240 Wise Center Drive
Mississippi State, MS 37962
10 AM - 2 PM

*Lunch will be provided for both workshops*

For more information, contact Amanda Stone at amanda.stone@msstate.edu
ADS 8973

Submitted by Dr. Erdogan Memili

Developing Frontiers of Scientific Writers

ADS 8973 Scientific Writing course is aimed at providing graduate students and postdoctoral fellows with skills and resources to increase their effectiveness in writing research proposals and manuscripts.

Here is what some of the graduate students who took the class in Spring 2018 have to say:

“The skills and knowledge gained from this have already proven to be invaluable. This class has given me the resources and tools to succeed as a scientist by conveying my ideas and findings in an effective format”- Holly Evans, MS student in Agriculture.

“The knowledge and skills I learned in this class gave me great insight into the grant writing process and funding sources. The assignments enabled me to develop my writing style into literature that can be understood and appreciated among diverse audiences”–Alex Shook, MS student in Agriculture.

“Scientific writing is important because better understanding essentials of research proposal, manuscript, and grand proposal helps enhance success in graduate school and beyond”–Muhammet Rasit Ugur, Ph.D. student in Agricultural Science.

In addition to covering the fundamentals of scientific writing, the students have also benefited from the campus resources through the libraries and the Office of the Vice President for Research and Economic Development.
SOUTHERN PRODUCER BRED HEIFER SALE

AUG 25

Southern Producers Bred Heifer Sale
Public · Hosted by Mississippi State University Extension Beef

📅 Saturday, August 25 at 1 PM - 4 PM
📍 Southeast Mississippi Livestock
7677 U S Highway 49, Hattiesburg, Mississippi 39402

About Discussion
COW CAMP 2018

BEARDEN DAIRY RESEARCH CENTER
2128 TURKEY CREEK RD, STARKVILLE, MS 39759

COW CAMP 2018
| JULY 16, 2018 AT 1 PM TO JULY 18, 2018 AT 12 PM |

Don’t miss out on the fun!

Registration and a registration fee are required. Both must be received by June 30th.

A room block is available at $99 per night. Room blocks will be released June 30th. Breakfast is provided by the hotel.

Registration is $100 per attendee. This includes dinner on 7/16 and lunch and dinner on 7/17.

LEARN HOW TO:
- Properly groom and fit
- Provide calves and cows with proper nutrition
- Prevent and detect common diseases

If students would like to bring his/her show animal for the hands-on grooming and fitting activities, please contact Dr. Amanda Stone.
# 2018 Cow Camp Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Activity</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday July 16</td>
<td>11:00 AM – 12:30 PM</td>
<td>Registration; lunch on own</td>
<td></td>
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<tr>
<td></td>
<td>1:00 PM</td>
<td>“Fun with milk” (making liquid nitrogen ice cream and cheese)</td>
<td>Dr. Bob Horton (4H Extension Specialist, Ohio State University)</td>
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<td></td>
<td>3:00 PM</td>
<td>MSU dairy tour</td>
<td>Kenneth Graves (MSU Dairy Manager)</td>
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<tr>
<td></td>
<td>6:00 PM</td>
<td>Dinner</td>
<td></td>
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<tr>
<td>Tuesday July 17</td>
<td>6:30 – 8:00 AM</td>
<td>Breakfast</td>
<td></td>
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<tr>
<td></td>
<td>8:30 AM</td>
<td>MAFES cheese plant tour</td>
<td>Eric Goos (MSU Cheese Plant Manager)</td>
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<tr>
<td></td>
<td>10:30 AM</td>
<td>Fitting demo, showmanship and grooming discussion</td>
<td>Wesley Blankenship (Blankenship Jerseys, Jackson, TN)</td>
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<tr>
<td></td>
<td>12:00 PM</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:00 PM</td>
<td>Hands-on cow clipping and grooming</td>
<td>Wesley Blankenship (Blankenship Jerseys, Jackson, TN)</td>
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<td></td>
<td>4:00 PM</td>
<td>Quiz Bowl and games</td>
<td>Tentative: Charlie Crave (Owner, Crave Brothers Farmstead Cheese, Waterloo, WI)</td>
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<tr>
<td></td>
<td>6:00 PM</td>
<td>Dinner</td>
<td></td>
</tr>
<tr>
<td>Wednesday July 18</td>
<td>6:30 – 8:00 AM</td>
<td>Breakfast</td>
<td></td>
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<tr>
<td></td>
<td>8:30 AM</td>
<td>Ensuring healthy cattle</td>
<td>Dr. Darren McGee (veterinarian, Elanco Animal Health)</td>
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<tr>
<td></td>
<td>10:30 AM</td>
<td>Feeding cattle</td>
<td>Scott Hardin (nutritionist, dairy nutrition consultant)</td>
</tr>
<tr>
<td></td>
<td>12:00 PM</td>
<td>End of program; lunch on own</td>
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</tbody>
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#DIDYOUKNOW

Recent research has demonstrated the value of cattle with calm temperaments and the price producers pay for keeping wilder animals in their herds. A 5-year MAFES study found that cows with poor temperaments could affect an entire herd and reduce producers’ bottom lines.

Findings from this research led scientists to conclude that producers should cull bad-tempered cows from their herds.

Researchers measured how a trio of cows behaved while enclosed in a 12-by-12-foot pen. They also studied the behavior of a single cow held in a chute similar to the ones used to hold bulls before they are released at rodeos.

In both cases, the cows’ behavior was measured after humans approached them. The research used laser technology to gauge how fast a cow traveled 6 feet after being released from a chute. For each part of the experiment, the cows were scored on a 5-point scale. A score of 1 described cows that were nonaggressive, docile, slow walking, easily approachable and not excited by humans. A score of 5 described cows that were very aggressive, excitable and out of control.

The pen scores and chute scores were nearly identical. Higher-scoring cows almost always ran out of the chutes at accelerated speeds.

The research found that anxious, aggressive cows — those with a pen score of 4 or 5 — present a host of problems. They become sick more often, have more difficulty gaining weight and damage farm equipment.

According to the study, cattle with high pen scores typically incur higher medical expenses than lower-scoring cattle. In addition, ill-tempered cattle typically bring in $5 or $6 less per hundred pounds of body weight than do calmer animals.
#DIDYOUKNOW

SAFER HORSE TRANSPORTATION

There has been little research to measure the heat conditions in horse trailers during transport. MAFES scientists recently measured several temperature variables in a fully enclosed four-horse, ant-load trailer with and without animals. Scientists found that trailer temperatures during transport exceeded those recommended for animal housing, although the thermal environment was affected by vehicle speed, vent configuration and presence of animals. They found that temperature increased significantly in transport during relatively mild weather, which indicates that horses could suffer from heat stress during warmer weather. These results show the importance of closely monitoring heat conditions in trailers used to transport horses.
BEEF EXTENSION - Dr. Brandi Karisch and Cobie Rutherford

June 20-23: Beef Improvement Federation Meetings, Loveland, CO
July 13: Deep South Stocker Conference, Greenboro, AL

EQUINE EVENTS - Dr. Clay Cavinder

For info on Events, call (662) 325-7466 or email clay.cavinder@msstate.edu

4-H EVENTS - Dr. Dean Jousan

June 19-23: Mississippi State 4-H Horse Show Championship in Jackson, MS

DAIRY EXTENSION - Dr. Amanda Stone

July 16-July 18: Cow Camp 2018, Bearden Dairy, Starkville
August 25: Ice Cream & a Moo-vie, Bearden Dairy, Starkville
September 20: Calf College 2018- in Brookhaven & September 21 in Starkville
September 27-29: Breakfast on the Farm, Bearden Dairy, Starkville
2018 Refereed Publications


2018 Refereed Publications


2018 Book Chapters: