Course Coordinator:
Dr. Kathleen Rahman
213D Bartlett Hall
raham@aesop.rutgers.edu
848-932-1168
Office hours: email to schedule an appointment *(Please note, Dr. Rahman ONLY response to professionally written emails.)*
**Dr. Rahman has an “Open Door Policy” whereby, if her office door is open and she is present, you are welcome to walk in for advising!**

Course TAs:
TBD

Course Summary: The course presents fundamental principles and functions important in animal science. The scientific underpinnings of modern animal science are presented, with emphasis on nutrition, reproduction, animal domestication and behavior, welfare, genetics and growth. In addition, the biological and economic structure of the major U.S. livestock industries is presented.

Learning Goals: By the end of this course you will
1) Gain an appreciation of the contributions that animals and animal products make to human well-being
2) Understand the role that basic and applied science plays in modern day animal science
3) Obtain an overview of the varying Animal Science fields and of the major US livestock industries

SAS/SEBS Core Curriculum Learning Goals
Areas of Inquiry
A: Natural Sciences
e. Understand and apply basic principles and concepts in the physical or biological sciences.
g. Identify and critically assess ethical and societal issues in science.

Course Website: https://sakai.rutgers.edu
Login to the site using your NetID and password. If you are enrolled in the course there should be a tab identified by the course name (Animal Science F16). Select this tab and then click on the link to “Resources” (listed across the top menu). This will bring you to the page that contains links to download each lecture and supporting class materials.

Academic Integrity: All students are expected to follow University policies on academic integrity: http://academicintegrity.rutgers.edu/

Student Absence: Students are expected to attend all classes; if you anticipate missing a class, please use the University absence reporting website https://sims.rutgers.edu/ssra/ to indicate the date and reason for your absence. An email is automatically sent to me. Please note that make-up quizzes and exams are not given, except for extreme situations. Students are responsible for all lecture material, including discussions during class.

Special Needs: Accommodations will be given to all students who submit an official letter from the Office of Disability Services.
What Should Students Expect from the Instructor?
1. Communication of course goals
2. Organized coverage of topics
3. Quality effort in classroom presentation
4. Accessibility and openness to students
5. Fair and impartial evaluation of students

What Does the Instructor Expect from Students?
1. Class attendance and attentiveness
2. Active and positive participation
3. Quality effort in studying and understanding the material and syllabus
4. Communication with Instructor

Grading: The total points available to earn for this class is 550. Each of the three exams will be 150 points, and the online quizzes will be 10 points each. The exams and quizzes will consist of true/false, multiple choice, matching, and fill in the blank questions. Grades will not be curved.

The exams will use Scantrons and consist of 75 questions, worth 2 points each, for a total of 150 points per exam.

There will be 11 quizzes administered throughout the semester. The lowest grade will be dropped, thus, only 10 of the 11 quizzes will count toward the final grade in the class. The quizzes will be 10 questions, totaling 10 points per quiz. Please note that quizzes are done online, via the Sakai website. The quiz will be “live” for 7 days, beginning right after class at 2:00 PM on designated Tuesdays (see Course Schedule for quiz dates) and ending 11:55 PM the following Monday. During those 7 days, you can take the quiz once. There is a 1 hour time limit. I urge you to schedule these times in advance- forgetting to take the quiz is not a valid excuse! For technical difficulties during the quiz, please contact the Sakai help desk. Please read the Quiz Directions document posted under Resources on Sakai.

Grade Summary:
Exams (3 @ 150 pts) 450
Quizzes (10 [will drop lowest] @ 10 pts) 100
Total pts 550

Grading Scale:
89.5 and above = A
84.5 to 89.4 = B+
79.5 to 84.4 = B
74.5 to 79.4 = C+
69.5 to 74.4 = C
59.5 to 69.4 = D
Below 59.4 = F

Policy for Examinations and Quizzes:
1. Examinations can only be made up in the case of an approved university function, a documented medical problem, or religious observance. In the case of a University-related function or religious observance, one week notice to the instructor is required. Students missing an exam due to major illness and/or family emergency must discuss this with the instructor and provide written documentation. All claims will be sent to the Dean of Students, Dean Michelle Jefferson, for verification.

2. Quizzes will be “live” for one week, thus, make-ups will not be given.

3. Any dispute in the grade received on an examination or quiz must be discussed with the instructor within 48 hours after students receive their grades.
Exam Review Sessions:
Exam reviews will be offered to students 1-2 nights before the scheduled in-class exam. All sessions will be available online via the course Sakai website using the Adobe Connect tool. To access the review session, login in to Sakai and enter into the Companion Ani Sci F16 course site. Click on “Exam Reviews” in the toolbar on the left side of the screen. Select the active meeting.

Extra Credit Opportunity:
There will be 1 extra credit opportunity this semester, so it is highly suggested that you take advantage! In order to receive 5 additional points on an exam, you must complete the entire process and obtain medical clearance to work with animals. This process requires two parts: (1) you must complete an online tutorial and take and pass an exam; (2) complete, turn in, and receive confirmation that your Occupational Health Questionnaire was accepted. Details on this process can be found by watching this YouTube video: https://www.youtube.com/watch?v=88giuKehW-o. In order to receive the extra credit points, you must send your Completion Certificate to Dr. Rahman as a screenshot, jpeg, or pdf file (rahman@aesop.rutgers.edu) as well as complete all aspects of the Occupational Health Questionnaire. It is recommended that you turn in your Occupational Health Questionnaire in person to the Hurtado Health Center and follow-up with a phone call or email if you do not receive confirmation of its acceptance. If both parts of this process have not been completed by Monday, December 5th, you will not receive any points. I strongly urge you to start this process as soon as possible to avoid missing the points for not having everything completed on time!

Guest Speakers:

Dr. Bill Belden
326 Foran Hall
beldenwj@rutgers.edu; 848-932-5617

Dr. Julie Fagan
109 Bartlett Hall
fagan@rci.rutgers.edu; 848-932-8354

Dr. Larry Katz
309 Martin Hall
katz@aesop.rutgers.edu; 848-932-3591

Dr. Karyn Malinowski
155 ASB II
malinowski@aesop.rutgers.edu; 848-932-9419

Dr. Sarah Ralston
209 Bartlett Hall
sarah.ralston@rutgers.edu; 848-932-9404

Dr. Dave Reimer
Nehlson Bio Labs
reimerd@las.rutgers.edu; 848-445-7394

Dr. Mehmet Uzumcu
119 Bartlett Hall
uzumcu@aesop.rutgers.edu; 848-932-6912

Dr. Perri Stark
stark@aesop.rutgers.edu

Dr. Michael Westendorf
213F Bartlett Hall
westendorf@aesop.rutgers.edu; 848-932-9408

Dr. Carey Williams
213E Bartlett Hall
cwilliams@aesop.rutgers.edu; 848-932-5529

Dr. Aparna Zama
105 Bartlett Hall
zama@aesop.rutgers.edu; 848-932-8495

Several guest speakers will present throughout the semester. Above is their contact information. This is a wonderful time to begin building a professional network!
**Course Schedule:**

<table>
<thead>
<tr>
<th>Lec #</th>
<th>Date</th>
<th>Lecture Topic</th>
<th>Speaker</th>
<th>Quiz Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9/6</td>
<td>Intro: Animal Ag &amp; Animal Products</td>
<td>K Rahman</td>
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<tr>
<td>2</td>
<td>9/9</td>
<td>Animal Domestication</td>
<td>L Katz</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>9/13</td>
<td>Animal Behavior</td>
<td>L Katz</td>
<td>Quiz 1 (Lecs 1-2)</td>
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<tr>
<td>4</td>
<td>9/16</td>
<td>Animal Welfare</td>
<td>J Fagan</td>
<td></td>
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<tr>
<td>5</td>
<td>9/20</td>
<td>Future of Animal Science</td>
<td>K Rahman</td>
<td>Quiz 2 (Lecs 3-4)</td>
</tr>
<tr>
<td>6</td>
<td>9/23</td>
<td>Working Safely with Animals</td>
<td>D Reimer</td>
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<tr>
<td>7</td>
<td>9/27</td>
<td>Companion Animals</td>
<td>K Rahman</td>
<td>Quiz 3 (Lecs 5-7)</td>
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<tr>
<td>8</td>
<td>9/30</td>
<td><strong>Exam 1 (Lectures 1-7)</strong></td>
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<tr>
<td>9</td>
<td>10/4</td>
<td>Physiology of Reproduction I</td>
<td>K Rahman</td>
<td>Quiz 4 (Lec 8)</td>
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<tr>
<td>10</td>
<td>10/7</td>
<td>Physiology of Reproduction II</td>
<td>K Rahman</td>
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<td>11</td>
<td>10/11</td>
<td>Animal Genetics</td>
<td>A Zama</td>
<td>Quiz 5 (Lecs 9-10)</td>
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<tr>
<td>12</td>
<td>10/14</td>
<td>Biotechnology</td>
<td>B Belden</td>
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<tr>
<td>13</td>
<td>10/18</td>
<td>Nutrition</td>
<td>C Williams</td>
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<tr>
<td>14</td>
<td>10/21</td>
<td>Nutrition</td>
<td>C Williams</td>
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<tr>
<td>15</td>
<td>10/25</td>
<td>Nutrition</td>
<td>C Williams</td>
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<tr>
<td>16</td>
<td>10/28</td>
<td>Animal Diseases</td>
<td>P Stark</td>
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<tr>
<td>17</td>
<td>11/1</td>
<td><strong>EXAM 2 (Lectures 8-15)</strong></td>
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<tr>
<td>18</td>
<td>11/4</td>
<td>Laboratory Animals</td>
<td>M Uzumcu</td>
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<tr>
<td>19</td>
<td>11/8</td>
<td>Sheep and Goats</td>
<td>K Rahman</td>
<td>Quiz 8 (Lec 16)</td>
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<tr>
<td>20</td>
<td>11/11</td>
<td>Swine</td>
<td>K Rahman</td>
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<tr>
<td>21</td>
<td>11/15</td>
<td>Sheep, goats, and swine (at farm)**</td>
<td>Farm Staff</td>
<td>Quiz 9 (Lecs 17-18)</td>
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<tr>
<td>22</td>
<td>11/23</td>
<td>Poultry Lecture available on Sakai. Class will NOT meet in person. Please remember to watch the lecture online!</td>
<td>K Rahman</td>
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<tr>
<td>23</td>
<td>11/29</td>
<td>Horses</td>
<td>S Ralston</td>
<td>Quiz 10 (Lecs 19-21)</td>
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<td>24</td>
<td>12/2</td>
<td>Dairy Cattle</td>
<td>M Westendorf</td>
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<tr>
<td>25</td>
<td>12/6</td>
<td>Dairy Cattle (at farm)**</td>
<td>M Westendorf</td>
<td>Quiz 11 (Lecs 22-23)</td>
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<tr>
<td>26</td>
<td>12/9</td>
<td>Horses (at farm)**</td>
<td>Farm Staff</td>
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<tr>
<td>27</td>
<td>12/13</td>
<td>Recap and Review</td>
<td>K Rahman</td>
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**Final Exam = December 22; 8:00-11:00am**

*Loree Hall Room 022 (Lectures 16-25)*

**Note:** The Course Schedule is subject to change. Dr. Rahman will provide notice via announcements on Sakai if changes are made.

**Three class periods (11/15; 12/6; 12/9) will be held on the Cook Campus Farm with a starting location of the Round House. The Round House is located directly off of College Farm Road on Sheepfold Lane. Given the size of the class, we will need to split into two separate groups that meet for only half of the designated class period. If you last name begins with:**
- **A-L:** Report to the Round House from 12:35-1:15pm
- **M-Z:** Report to the Round House from 1:15-1:55pm