COURSE NAME; NUMBER; SEMESTER; MEETING DAYS, TIMES, AND PLACE.
Cattle Practicum
11:067:201 Spring/Summer/Fall
Demonstration Component: 80 minutes once weekly Tuesdays 12:35 – 1:55 pm Roundhouse
Hands-on Component: Three hours in the cattle barn per week (Monday – Thursday; 8:00 – 11:00 am)

CONTACT INFORMATION:
Instructor/Supervisor: Ms. Joanne Powell
Office Location: Campus Animal Farm – Meats Lab
Phone: 732-932-4059 Email: jopowell@sebs.rutgers.edu
Office Hours: By appointment

Faculty coordinator: Dr. Aparna Zama
Office Location: Bartlett Hall, Room 209A
Phone: 848-932-8495 Email: zama@sebs.rutgers.edu

PREREQUISITES
- Clearance for working with animals: Animal Orientation Training and Occupational Health Certification.
  Link: http://animalsciences.rutgers.edu/undergraduate/WorkingWithAnimals.pdf

COURSE WEBSITE, RESOURCES AND MATERIALS:
- Practicum materials will be posted at sakai.rutgers.edu.

COURSE DESCRIPTION:
During this practicum class, students receive hands-on experience working in a beef cattle operation, including cow/calf care, and the management of weaned and growing calves.

LEARNING GOALS:
Students will:
1. Acquire hands-on knowledge of beef cattle operations including topics on feeding, breeding, safety, and facility design. (PLG4)
   Assessment: Participation, quizzes and papers
2. Learn and practice animal husbandry and care skills and record keeping. (PLG4)
   Assessment: Participation, quizzes and papers
3. Explore and practice animal management protocols including estrus synchronization, artificial insemination, and vaccinations. (PLG4)
   Assessment: Participation, quizzes and lab reports

Course Grading:
Grade Scale
A: 100-90%, B+: 85-89%, B: 80-84%, C+: 75-79%, C: 70-74%, D: 60-69%, F: <60%.

Assessment and Grading
1. Attendance- 20%
2. Participation- 30%
3. Papers – 25%
4. Quizzes- 25%
1. Attendance
Students are required to complete all scheduled sessions.

Absence Policy:
Un-notified absences – 1 allowed, 10% overall grade drop for each thereafter
Notified absences – 3 allowed, 10% overall grade drop for each thereafter
- Absences will be considered notified if student contacts instructor (phone or email) at least 30 minutes prior to the start of the class.
- Missed classes:
  o Demonstration Component: If a student misses a lecture, they must contact the Instructor to find out how to make-up the missed work.
  o Hands-on Component: Students are highly encouraged to make up the three hour, hands-on component in same week. Special consideration will be given otherwise. Students must contact the Instructor to schedule the best time to make up missed session(s).
- Tardiness- If you are more than 15 minutes late for practicum, it will be counted as an absence, and you will not be able to participate.
- Sick days will not be counted towards total absence number if a doctor’s note is submitted upon return. Student will still need to make up missed class(es).

2. Participation
Students will be evaluated on their participation in group discussions, reliability, and diligence when working with the Instructors and in the animal facilities throughout the semester. Below is a breakdown of the criteria that will be assessed for when assigning the participation portion of the final course grade.

<table>
<thead>
<tr>
<th>A (4 points)</th>
<th>B (3 points)</th>
<th>C (2 points)</th>
<th>D and below (1 point)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrives and is prepared to start on time. (graded during Hands-On sessions)</td>
<td>ALWAYS</td>
<td>OFTEN</td>
<td>SOMETIMES</td>
</tr>
<tr>
<td>Participates readily in class discussions, projects and activities. (graded during Demonstrations)</td>
<td>ALWAYS</td>
<td>OFTEN</td>
<td>SOMETIMES</td>
</tr>
<tr>
<td>Student readily engages in demonstrations. (graded during Demonstrations)</td>
<td>ALWAYS</td>
<td>OFTEN</td>
<td>SOMETIMES</td>
</tr>
<tr>
<td>Engages with other students in group, shows willingness to help out. (graded during Hands-on sessions)</td>
<td>ALWAYS</td>
<td>OFTEN</td>
<td>SOMETIMES</td>
</tr>
</tbody>
</table>

3. Papers
Papers will be assigned to students to assess understanding of the topics presented. Students may pick one topic from those covered during the previous weeks and write a 1-2 page paper on that topic.

4. Quizzes
Quizzes will be administered to students to assess knowledge and understanding of the course topics. Quizzes will be given only for lessons indicated in the Course Schedule.
ACCOMODATIONS FOR STUDENTS WITH DISABILITIES
Please follow the procedures outlined at https://ods.rutgers.edu/students/registration-form. Full policies and procedures are at https://ods.rutgers.edu/

COURSE SCHEDULE:

<table>
<thead>
<tr>
<th>Topic</th>
<th># Weeks (dates will be provided on Sakai site)</th>
<th>Instructor</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction/Differences between beef and dairy production</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Participation</td>
</tr>
<tr>
<td>Types of beef operations Organization of the beef industry</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Participation</td>
</tr>
<tr>
<td>Handling/ Safety Facility design</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Paper</td>
</tr>
<tr>
<td>Breeds Genetics overview</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Participation</td>
</tr>
<tr>
<td>Calving Identification</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Quiz</td>
</tr>
<tr>
<td>Processing calves after birth Maternal behavior Colostrum</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Participation</td>
</tr>
<tr>
<td>Growth, nursing calf management, weaning</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Participation</td>
</tr>
<tr>
<td>Estrus Synchronization, Sire Selection, Breeding</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Paper</td>
</tr>
<tr>
<td>Selection of replacement animals Culling</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Quiz</td>
</tr>
<tr>
<td>EPDs and Breeding Values</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Participation</td>
</tr>
<tr>
<td>Feeds and Feeding</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Participation</td>
</tr>
<tr>
<td>Carcass terminology, yield grades, grading</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Paper</td>
</tr>
<tr>
<td>Cuts of meat Marketing</td>
<td>1</td>
<td>Joanne Powell</td>
<td>Quiz</td>
</tr>
</tbody>
</table>
FINAL EXAM/PAPER DATE AND TIME
No Final Exam.

ACADEMIC INTEGRITY
The university's policy on Academic Integrity is available at http://academicintegrity.rutgers.edu/academic-integrity-policy. The principles of academic integrity require that a student:

- properly acknowledge and cite all use of the ideas, results, or words of others.
- properly acknowledge all contributors to a given piece of work.
- make sure that all work submitted as his or her own in a course or other academic activity is produced without the aid of impermissible materials or impermissible collaboration.
- obtain all data or results by ethical means and report them accurately without suppressing any results inconsistent with his or her interpretation or conclusions.
- treat all other students in an ethical manner, respecting their integrity and right to pursue their educational goals without interference. This requires that a student neither facilitate academic dishonesty by others nor obstruct their academic progress.
- uphold the canons of the ethical or professional code of the profession for which he or she is preparing.

Adherence to these principles is necessary in order to ensure that
- everyone is given proper credit for his or her ideas, words, results, and other scholarly accomplishments.
- all student work is fairly evaluated and no student has an inappropriate advantage over others.
- the academic and ethical development of all students is fostered.
- the reputation of the University for integrity in its teaching, research, and scholarship is maintained and enhanced.

Failure to uphold these principles of academic integrity threatens both the reputation of the University and the value of the degrees awarded to its students. Every member of the University community therefore bears a responsibility for ensuring that the highest standards of academic integrity are upheld.

Cheating in a quiz or plagiarizing materials in your papers deprives you of the educational benefits of preparing these materials appropriately. It is personally dishonest to cheat on a quiz or to hand in a lab report based on unacknowledged words or ideas that someone else originated. It is also unfair, since it gives you an undeserved advantage over your fellow students who are graded on the basis of their own work. In this class we will take cheating very seriously. All suspected cases of cheating and plagiarism will be automatically referred to the Office of Judicial Affairs, and we will recommend penalties appropriate to the gravity of the infraction. To help protect you, and future students, from plagiarism, Turnitin may be used for your lab reports.

STUDENT WELLNESS SERVICES
Just In Case Web App  http://codu.co/cee05e
Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

Counseling, ADAP & Psychiatric Services (CAPS)
(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/ www.rhscaps.rutgers.edu/  
CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students’ efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

Violence Prevention & Victim Assistance (VPVA)
(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / www.vpva.rutgers.edu/
The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

Disability Services
(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / https://ods.rutgers.edu/ 
Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: https://ods.rutgers.edu/students/documentation-guidelines. If the documentation supports your request for reasonable accommodations, your campus’s disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: https://ods.rutgers.edu/students/registration-form.

Scarlet Listeners
(732) 247-5555 / https://rutgers.campuslabs.com/engage/organization/scarletlisteners
Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.