

**COURSE NAME; NUMBER; SEMESTER; MEETING DAYS, TIMES, AND PLACE.**

Animal Reproduction  
11:067:327, Spring 2020  
Tuesday/Thursday 2:15-3:35 pm  
CDL 102

**CONTACT INFORMATION:**

Instructor(s): course coordinator: Troy A. Roepke, lecturers: Elizabeth Snyder, Carol Bagnell, Wendie Cohick  
Office Location: TAR: Bartlett 305B  
Phone: 848-932-9454, Email: ta.roepke@rutgers.edu  
Office Hours: by appointment

**COURSE WEBSITE, RESOURCES AND MATERIALS:**

**REQUIRED TEXT:**

- ***Pathways to Pregnancy and Parturition*** by PL Senger, Current Conceptions, Inc., 3<sup>rd</sup> edition, 2012 (softcover). <https://tinyurl.com/SPR19-Course-Material-067-327>. There is a copy of the textbook on reserve in the Change Library to read for those who cannot afford the cost.
- **Sakai COURSE WEBSITE:** Preferred browser for access is Chrome or Firefox (vs Internet Explorer). Go to URL: <https://sakai.rutgers.edu/portal>. Click on Student Login. Enter your NetID and password. After you have logged in, select Animal Reproduction 11:067:327. If you cannot access the Sakai website, email [sakai@rutgers.edu](mailto:sakai@rutgers.edu) or call the RU Online Learning Help Desk at 848-932-4702 (M-F, 8:30 AM–6:00 PM). **Note:** Your grades will be posted on the course website after the exams. Emails will be sent to your scarletmail account about course info, when lecture notes are available for downloading, etc.
- **TOP HAT:** We will be using the Top Hat ([www.tophat.com](http://www.tophat.com)) classroom response system in this course. You will be able to submit answers to in-class questions and quizzes using Apple or Android smartphones and tablets, or PC and Apple laptops, or through text message. You can visit the Top Hat Overview (<https://success.tophat.com/s/article/Student-Top-Hat-Overview-and-Getting-Started-Guide>) within the Top Hat Success Center that outlines how to register a Top Hat account and provide a brief overview to familiarize you with the system. An invitation will be sent to you by email. If do not receive this email, you can register by simply visiting our course website: Unique Course: <https://app.tophat.com/e/176196>. Note: Course Join Code is 176196. **Top Hat requires a paid subscription.** A full breakdown of all subscription options available can be found here: [www.tophat.com/pricing](http://www.tophat.com/pricing). Should you require assistance with Top Hat at any time, please contact their Support Team directly via email ([support@tophat.com](mailto:support@tophat.com)), the in-app support button, or by calling 1-888-663-5491. Top Hat requires specific user information to troubleshoot issues.

**COURSE DESCRIPTION:**

In this course, you will be presented with basic principles of reproduction in domestic species. The emphasis here will be on the application of this information toward understanding the reproductive system and solving problems in reproduction. Information from non-farm species has contributed significantly to our understanding of reproductive physiology. Therefore, where appropriate, species other than cattle, sheep, swine, poultry, and horses will be discussed.

**COURSE LEARNING GOALS:**

The students will

- 1) Comprehend the basic knowledge of the physiological mechanisms regulating reproduction in domestic animals, with additional examples from other species and humans. (PLG1 & 2).  
Assessment: Three exams and 10 quizzes will cover the basics of endocrine and neurological control of reproduction, sexual behaviors, fertilization, pregnancy and parturition.
- 2) Assess the ways each species addresses the challenge of reproducing (PLG2).  
Assessment: Exams will consist of questions that will involve species-specific reproductive strategies.
- 3) Understand the language of reproduction and the technological advances that impact both human and domestic animal reproduction (PLG2).  
Assessment: Exams and quizzes will consist of questions that will focus on the technological advances over the past 100 years of reproductive sciences.

### **ASSIGNMENTS & ASSESSMENT:**

#### **EXAMS:**

3 hourly mid-term exams: 20% each x 3 = 60%.

Final exam: 25%

If you have a legitimate excuse for missing an exam, Dr. Roepke must be notified at least 24 h prior to the exam. *All claims will be sent to the Dean of Students, Dean Michelle Jefferson, for verification.*

#### **QUIZZES:**

10 quizzes are in-class (see below for schedule) and are each worth 1% of your grade for a total of 10%.

Quizzes will be 10 true/false or multiple-choice questions using Top Hat. Quizzes will happen in the first 10 minutes of class. No exceptions. Information will be presented in class that is not in the text or on the website that will be included in quizzes and exams.

#### **ABSENCE POLICY:**

Students are expected to attend all classes. Attendance will be taken through Top Hat. Attendance is 5% of your grade. No makeup quizzes or exam without documentation. Students are expected to attend all classes. If you expect to miss a class, please use the Rutgers University absence reporting website: [sims.rutgers.edu/ssra/](http://sims.rutgers.edu/ssra/) and input the date and reason for your absence. An email will automatically be sent to me.

#### **GRADING**

Grades will be calculated as follows: A = 90% or above, B+ = 85% - 89%, B = 80% - 84%, C+ = 75% - 79%, C = 70% - 74%, D = 60% - 69%, F = less than 60%

#### **RESPONSIBILITIES OF THE STUDENT**

1. 100% attendance is critical. Please pay attention to the dates noted in the syllabus and clear all personal conflicts for attendance.
2. Print all lecture materials (posted on Sakai) and bring with you to class to take additional notes.
3. If something is unclear in class, ask questions immediately. **DO NOT WAIT.** Due to the pace of the lectures, key concepts that are missed early on will impact later learning.
4. Prepare for quizzes and exams by reviewing materials continuously. The quiz dates might change and therefore, attendance is critical.
- 5. You are responsible for all the information on this syllabus.**

**COURSE SCHEDULE:**

<b>Lecture</b>	<b>DATE</b>	<b>TOPIC</b>	<b>Chapter</b>	<b>Instructor</b>
1	Jan 21 Tu	Intro to Reproduction	1	Roepke
2	23 Th	Female I	2	Roepke
3	28 Tu	Female II	2	Roepke
<b>Quiz #1: Thursday 1/30/19 on Lectures 1-3</b>				
4	30 Th	Male	3	Snyder
5	Feb 4 Tu	Reproductive System Development	4	Roepke/Vail
<b>Quiz #2: Thursday 2/6/19 on Lectures 4-5</b>				
6	6 Th	Control of Reproduction I	5	Roepke
7	11 Tu	Control of Reproduction II	5	Roepke
8	13 Th	Control of Reproduction III	5	Roepke
<b>Quiz #3: Tuesday 2/18/19 on Lectures 6-8</b>				
	18 Tu	<b>Review First Exam</b>		Roepke/Snyder
	<b>EXAM 1 Feb 20</b>	<b>Th (2:15–3:35 PM)</b>	<b>Lectures 1-8</b>	
9	25 Tu	Puberty	6	Roepke
10	27 Th	Estrous Cycle	7	Roepke
<b>Quiz #4: Tuesday 3/3/19 on Lectures 9-10</b>				
11	March 3 Tu	Follicular Phase ( <b>Homework assigned</b> )	8	Roepke
12	5 Th	Ovulation	8	Roepke
<b>Quiz #5: Tuesday 3/10/19 on Lectures 11-12</b>				
13	10 Tu	Luteal Phase	9	Roepke
14	12 Th	Spermatogenesis I (Homework due)	10	Snyder
<b>Spring Break March 18-22</b>				
<b>Quiz #6: Tuesday 3/24/19 on Lectures 13-14</b>				
15	24 Tu	Reproductive Behavior I	11	Roepke
16	26 Th	Reproductive Behavior II	11	Roepke
<b>Quiz #7: Tuesday 3/31/19 on Lectures 15-16</b>				
	Mar 31 Tu	<b>Review 2nd Exam</b>		Roepke/Snyder
	<b>EXAM 2 April 2</b>	<b>Th (2:15–3:35 PM)</b>	<b>Lectures 9-16</b>	
17	7 Tu	Fertilization	12	Roepke
18	9 Th	Pregnancy I	13	Bagnell
<b>Quiz #8: Thursday 4/14/19 on Lectures 17-18</b>				
19	14 Tu	Pregnancy II	13	Bagnell
20	16 Th	Parturition	15	Bagnell
<b>Quiz #9: Thursday 4/21/19 on Lectures 19-20</b>				
21	21 Tu	Postpartum Events	14	Cohick
22	23 Th	Non-mammalian Reproduction		Roepke
<b>Quiz #10: Thursday 4/28/19 on Lectures 21-22</b>				
	28 Tu	Review 3rd Exam		Roepke/Bagnell

**EXAM 3**

**April 30**

**Th (2:15–3:35 PM)**

**Lectures 17-22**

*Tues/Wed May 5-6.....Reading Days*

### **FINAL EXAM/PAPER DATE AND TIME**

Online Final exam Schedule: <http://finalexams.rutgers.edu/>

**FINAL EXAM (Comprehensive and mandatory) Friday**

**MAY 8**

**9:00 am-11:00am**

### **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.

### **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/>

### **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/](http://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/](http://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 / <http://www.scarletlisteners.com/>

Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.