

Animal Science/Dairy Science 434

Reproductive Physiology

Introduction and Course Structure

Fall 2018

Dr. John J Parrish

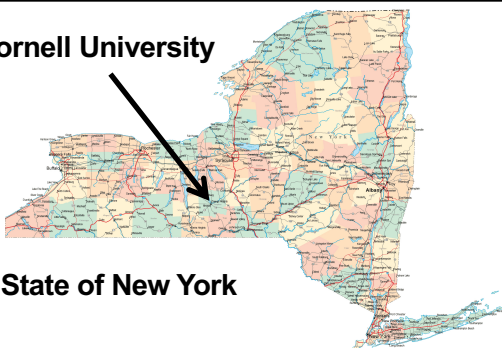


Bachelor of Science
• Animal Science

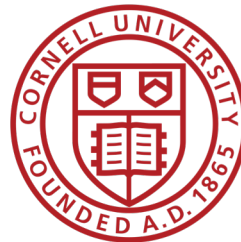
Species
• Swine
• Cattle

Campus Activities
• Milk processing
• Swine farm
• Alpha Gamma Rho

Cornell University



State of New York



Ph.D.
• Animal Science
• Male Fertility

Species
• Cattle, Rabbits,
Hamsters, Guinea Pigs,
Goats, Sheep, Dogs,
Humans



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

Post Doc.

- Animal Science
- In Vitro Fertilization

Faculty

- Animal Science

Species

- Cattle, Swine, Horses, Water Buffalo, Humans, Chickens, Turkeys

Male Reproduction (40 years)

- Semen evaluation
- Fertility Prediction
- In vitro fertilization
- Sperm capacitation
- Quantitative image analysis of sperm

Species of Males

- Large Animal
 - » Bull, stallion, ram, boar, water buffalo, human
- Small Animal
 - » Dog, rabbit, mouse, hamster, guinea pig
- Avian
 - » Rooster, turkey

Special 2018 Information

- Lectures - Podcast only
 - » Recorded in Fall 2017.
- Dr. Parrish is available in person during lab 301 and 303 or via email.
- Information comes via lecture, email and Canvas.

Instructors

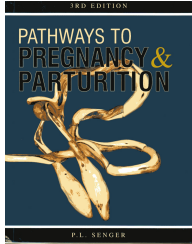
- John J. Parrish (Professor)
 - » Responsible for entire course
- Megan Lauber (Lab 301 TA)
- Jodi Berndtson (Lab 303 TA, Course coordinator)

[Contact information in Course Website](#)

Laboratories

- Labs (sections 301 and 303)
 - » Planned for 2 hr
 - » may last 2.5 hr so plan ahead
- Lab involves work with tissue and animals.
 - » Bring appropriate cloths
 - » Will be covered more in lab.
 - Section 301 we will not meet live in week 1. In week 2 you will work with tissue and cattle so dress appropriately.

Text (Required)



- Pathways to Pregnancy and Parturition - **Third Edition**
 - » P.L. Senger
- UW Bookstore, Amazon
- Library (not on reserve)
- **Read assigned chapters before viewing lecture material!!!!**

Specific edition guaranteed OK for exams!

Canvas

- **Course Management Software**
- **All material and submissions can be accessed via canvas**
 - » Some material is in a Animal Science Website or Kaltura but seamless access is via canvas.

FA18 ANSCI 434 001

ANSI434: Reproductive Physiology (001) FA18

AS/DS 434: Reproductive Physiology 2018

Bookmark this page to have direct access to AS434.

[AS/DS 434 Course Content Website](#)

[AS/DS 434 Website Calendar from Content Website](#)

[Student Photos 2018](#)

Animal Science/ Dairy Science 434

Reproductive Physiology

John J. Parrish
Department of Animal Science
University of Wisconsin-Madison
608-245-4324
parrish@animal.wisc.edu

[View Course Stream](#)

PLEASE NOTE: This Web Site is checked for viewing on Safari or Firefox. This Web Site is not static and is continually modified during the fall semester to accompany lectures and labs. Comments or suggestions can be sent to the instructor. Videos are generally saved as quicktime files (.mov) and podcasts are saved for replay in iTunes (.m4a).

Link to Live Streaming Video:

- The Farmhouse WebCam for AS434 - Fall 2011 until
- The Farmhouse WebCam for AS434 - Fall 2012
- New WebCams 1, 2, 3 and 4 for 2018. (New Sept. 2016)

434 Web Site Modifications

- Both Canvas and Course Content Website Updates may occur multiple times/day.

Lecture Material

- **Lecture in course content website Nav Bar**
 - » Chapters in Text
 - » Outlines
 - » Powerpoint
 - ppt or pptx file
 - PDF slide handout (6 slides/page)
 - » Video/animations
 - » Kaltura/Podcast - Streaming video, UW service

Effort and Difficulty

- Credit hours are met by 135 hours of interaction with course material over the semester
 - » Includes lecture, lab, projects, outside of class animal time, lab write-ups, study time.
 - » Average is 9 hours/week.
- Intermediate course and so is involved.
 - » Dairy and Animal Science Students
 - One of the most difficult in your majors

Grading

See Syllabus!

Overall Philosophy

- Course is organized to educate you.
 - » Learning objectives and outcomes are specified
 - » Lecture and Lab are linked.
 - » A variety of learning approaches are used.
- The course is intended to challenge you and you must work to succeed.

Overall Philosophy (cont.)

- Get your money's worth; extrapolate and integrate. This is how you succeed!
- Memorization does not lead to success in life!
- Must engage with course material every day for success.

Overall Philosophy (cont.)

- What soft skills did you gain in this course?
 - » These are what employers are looking for!!!!