

Animal Science/Dairy Science 434

Reproductive Physiology

Introduction and Course Structure

Fall 2016

Dr. John J Parrish



Bachelor of Science

- Animal Science

Species

- Swine
- Cattle

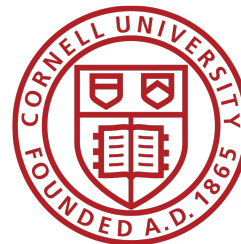
Campus Activities

- 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 (39 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 2016 Information

- Lectures - Podcast only
 - » [discipline](#)
- Discussions - asynchronously on-line???
- Dr. Parrish is available in person during lab or via email.
- We contact you via email and announcements from within Canvas.

Instructors

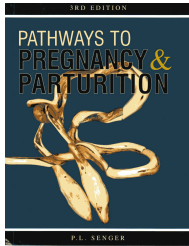
- John J. Parrish (Professor)
 - » Responsible for entire course
- Rick Monson (Project Manager)
 - » Coordinator for sections 301, 303 and 304.
- Jodi Berndtson (Graduate Student)
 - » Coordinators for sections 302

[Contact information in Course Website](#)

Laboratories

- Labs (sections 301-304)
 - » 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.

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!

Learn@UW vs. Canvas

- Course Management Software
- Campus is moving to Canvas
- Start in Canvas
- If problems, then we will return to Learn@UW.

Canvas and Course Websites

Canvas

- Submit and view assignments
- Group enrollment (People)
- Answer keys (Modules)

Course Web Site (ANSI Server)

- Syllabus
- Lecture Material/Podcast
- Lab
- On-Line Quizzes

Canvas



Course Website

see link in canvas

What is in the class website?

- Reach through Canvas - Announcements section
- Syllabus
- Lecture
 - Podcasts, Outlines, Handouts, Powerpoint Files
- Labs
- Project Information
- Quizzes (practice)

434 Web Site Modifications

- Updates may occur daily.
- Most updates are minor. If a major change is made you will be notified via email.
- You may need to dump the [cache or history](#) in your web browser to see the most current pages.
- Podcasts from 2013, 2014, 2015 or 2016.

Lecture Material

- Lecture in course website Nav Bar
 - » Chapters in Text
 - » Podcast - Streaming video - Kaltura
 - » Outlines
 - » Powerpoint
 - ppt or pptx file
 - PDF slide handout (6 slides/page)
 - » Video/animations
 - » [View the week's lectures before lab!!!!](#)

Study Time and Difficulty

- Lecture
 - » 2 hours study time for each 1 hour of lecture
- Lab
 - » 1 hour study time for each hour of lab
- Course difficulty
 - » Dairy and Animal Science Students
 - One of the most difficult in your majors
 - » Biology majors
 - Similar to other science classes

Grading

[See Syllabus!](#)

Overall Philosophy

- Course is organized to educate you.
 - » Learning goals and outcomes
 - » 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!](#)