Reproductive Physiology of Domestic Animals
ANS 311.01E
Labs 01L and 02L
Fall 2018 Syllabus
MW 11:00 – 11:50 | 255 AG/ET

INSTRUCTOR INFORMATION

Instructor: Dr. Douglas Eborn
Office Location: 247 AG/ET
Office Hours: TR 8:00-10:00
F 1:00-3:00
Office Phone: 903.886.5676
Office Fax: 903.886.5990
University Email Address: Douglas.Eborn@tamuc.edu
Preferred Form of Communication: Email
Communication Response Time: 48 hours

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required:


Note: There are many differences between the 2nd and 3rd editions. If you choose to use the 2nd revised edition, it is solely your responsibility to make note of differences between the texts and differences in figures and tables.

Course Description

Prerequisites: ANS 1319 Introduction to Animal Science
BSC 1407: Introductory Biology II

The syllabus/schedule are subject to change.
Chem 1311: General Chemistry

Comparative anatomy and physiology of the male and female reproductive systems of domestic animals, endocrinology of reproduction, gestation and parturition.

This is a 3 semester hour course (2 hour lecture; 2 hour lab) that covers anatomy, physiology, and endocrinology pertaining to reproduction in cattle, pigs, small ruminants, horses, and poultry. This course will cover basic concepts and principles that will be expanded to include reproductive management decisions and proper use of reproductive technologies.

Student Learning Outcomes

Students successfully completing the course should be able to:

1. Identify both male and female structures of the reproductive system and describe their function.
2. Describe how reproduction is controlled including the role and regulation of hormones.
3. Know how pregnancy is established and maintained in the different farm animal species.
4. Understand current reproductive technologies and make good reproductive management decisions.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Students will need to be able to access and use the course online platform for the University, D2L. They may also need to have access and be able to use Microsoft Word, PowerPoint, or comparable programs.

Instructional Methods

The material for this course will be primarily given by powerpoint lectures. PDF copies of those lectures will be made available to students either before or after the lecture.

Student Responsibilities or Tips for Success in the Course

Students are expected to have learned the material from the previous lecture. That means that students should review and study new material between class periods and be comfortable with the all the previous material before the next class period.

The syllabus/schedule are subject to change.
Course Specific Procedures/Policies

Syllabus Change Policy
The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

Attendance/Lateness
Attendance is expected and will be taken at the beginning of class. Those that arrive after attendance is taken may or may not be counted. Students will be given 50 points extra credit for attendance at the beginning of the semester. 5 points will be deducted for each absence. In addition, extra credit opportunities or final grade considerations may be based on attendance.

LAB: Attendance is required. 3 or more absences may result in failure of the class. With prior approval you may change labs if you are unable to make your assigned lab time.

Late Work, Missed Exams
- All students are to take the in-class exams at the time they are scheduled unless you have a great excuse or made prior arrangements with the instructor. If an exam is given at a different time, the makeup exam may be more difficult, not easier, for the student.
- The student must take responsibility to notify the instructor in a timely matter for consideration and accommodation due to emergencies or other circumstances. Validation may be required.
- Late work may be completed or turned in for 7 days after which it will no longer be accepted. 15% will be deducted for each day that it is late.

General Class Rules
1. Turn off and do not use electronic devices during class.
2. Attentiveness in class is strongly suggested but not required. However, if you choose otherwise, do not, talk to your neighbors, read the paper, and especially do not text. Achieving the course objectives and being successful will require attendance, taking notes and study.
3. All hats will be removed (or ball caps turned backward) during exams. Also you may be asked to leave your backpacks in the front of the room on exam days.

GRADING

The syllabus/schedule are subject to change.
Final grades in this course will be based on the following scale:

A = 90%-100%
B = 80%-89%
C = 70%-79%
D = 60%-69%
F = 59% or Below

Assessments

1. Attendance

Attendance is expected and will be taken at the beginning of class. Those that arrive after the attendance is taken may or may not be counted. Students will be given **50 points extra credit** for attendance at the beginning of the semester. 5 points will be deducted for each absence. In addition, extra credit opportunities or final grade considerations may be based on attendance.

2. Exams

- Four exams will be given through the course of the semester. Exams may include an in class portion consisting of true/false, multiple choice, short answer, essay, and may or may not include a take home portion. The comprehensive 4th exam will be given during the week of finals.

  **Tentative** Exam Dates:
  - Exam 1 – September 21st
  - Exam 2 – October 19th
  - Exam 3 – November 16th
  - Final – December 10th 8:00 A.M.

- All students are to take the in-class exams at the time they are scheduled unless you have a great excuse. If an exam is given at a different time, the makeup exam may be more difficult, not easier, for the student.

3. Quizzes

- Announced or unannounced quizzes may be given weekly throughout the course on online, in class, or during lab. Often unannounced quizzes will be given at the beginning of class.

4. Homework/Projects

The syllabus/schedule are subject to change.
• Homework or projects may be given during the semester.

5. Labs:

• Attendance points may be given for each lab attended. Lab exercises or projects may also be assigned.

6. Late or missing work

• The student must take responsibility to notify the instructor in a timely matter for consideration and accommodation due to emergencies or other circumstances. Validation may be required.
• Late work may be completed or turned in for 7 days after which it will no longer be accepted. 15% will be deducted for each day that it is late.

TECHNOLOGY REQUIREMENTS

Browser support

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:

• Ensure that your browser has JavaScript and Cookies enabled.
• For desktop systems, you must have Adobe Flash Player 10.1 or greater.
• The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

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### Desktop Support

<table>
<thead>
<tr>
<th>Browser</th>
<th>Supported Browser Version(s)</th>
<th>Maintenance Browser Version(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft® Edge</td>
<td>Latest</td>
<td>N/A</td>
</tr>
<tr>
<td>Microsoft® Internet Explorer®</td>
<td>N/A</td>
<td>11</td>
</tr>
<tr>
<td>Mozilla® Firefox®</td>
<td>Latest, ESR</td>
<td>N/A</td>
</tr>
<tr>
<td>Google® Chrome™</td>
<td>Latest</td>
<td>N/A</td>
</tr>
<tr>
<td>Apple® Safari®</td>
<td>Latest</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Tablet and Mobile Support

<table>
<thead>
<tr>
<th>Device</th>
<th>Operating System</th>
<th>Browser</th>
<th>Supported Browser Version(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Android™</td>
<td>Android 4.4+</td>
<td>Chrome</td>
<td>Latest</td>
</tr>
<tr>
<td>Apple</td>
<td>iOS®</td>
<td>Safari, Chrome</td>
<td>The current major version of iOS (the latest minor or point release of that major version) and the previous major version of iOS (the latest minor or point release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version. Chrome: Latest version for the iOS browser.</td>
</tr>
<tr>
<td>Windows</td>
<td>Windows 10</td>
<td>Edge, Chrome, Firefox</td>
<td>Latest of all browsers, and Firefox ESR.</td>
</tr>
</tbody>
</table>

The syllabus/schedule are subject to change.
• You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
  o 512 MB of RAM, 1 GB or more preferred
  o Broadband connection required courses are heavily video intensive
  o Video display capable of high-color 16-bit display 1024 x 768 or higher resolution

• You must have a:
  o Sound card, which is usually integrated into your desktop or laptop computer
  o Speakers or headphones.
  o *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.

• Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: JAVA web site  http://www.java.com/en/download/manual.jsp

• Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.
  Pop-ups are allowed.
  JavaScript is enabled.
  Cookies are enabled.

• You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
  o Adobe Reader  https://get.adobe.com/reader/
  o Adobe Flash Player (version 17 or later)  https://get.adobe.com/flashplayer/
  o Adobe Shockwave Player  https://get.adobe.com/shockwave/
  o Apple Quick Time  http://www.apple.com/quicktime/download/

• At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

ACCESS AND NAVIGATION

The syllabus/schedule are subject to change.
You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

**Note:** Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

**COMMUNICATION AND SUPPORT**

**Brightspace Support**

**Need Help?**  
**Student Support**

If you have any questions or are having difficulties with the course material, please contact your Instructor.

**Technical Support**

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778 or click on the Live Chat or click on the words “click here” to submit an issue via email.

**System Maintenance**

Please note that on the 4th Sunday of each month there will be System Maintenance which means the system will not be available 12 pm-6 am CST.

**Interaction with Instructor Statement**

Typical response time will be within 24 hrs. but all emails will receive a response within 48 hours during the work week. Emails sent over the weekend may not receive a response until the beginning of the week.

**University Specific Procedures**

**Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

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http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: Netiquette
http://www.albion.com/netiquette/corerules.html

TAMUC Attendance
For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.
http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf

Academic Integrity
Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03

Graduate Student Academic Dishonesty 13.99.99.R0.10
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf

ADA Statement
Students with Disabilities
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library- Room 162
Phone (903) 886-5150 or (903) 886-5835

The syllabus/schedule are subject to change.
Fax (903) 468-8148  
Email: studentdisabilityservices@tamuc.edu  
Website: Office of Student Disability Resources and Services  
http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/  

Nondiscrimination Notice  
Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement  
Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. 

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:  
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf  

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

The syllabus/schedule are subject to change.
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<table>
<thead>
<tr>
<th>Week</th>
<th>Lec Date</th>
<th>Lec Day</th>
<th>ANS 311 Lecture Schedule, Fall 2018</th>
<th>Textbook Reading</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>27-Aug</td>
<td>Mon</td>
<td>Syllabus, schedule, introductions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>29-Aug</td>
<td>Wed</td>
<td>Female Tract -1</td>
<td>Ch 2</td>
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<tr>
<td>2</td>
<td>3-Sep</td>
<td>Mon</td>
<td>Female Tract -2</td>
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<td>5-Sep</td>
<td>Wed</td>
<td>Female Tract -3</td>
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<tr>
<td>3</td>
<td>10-Sep</td>
<td>Mon</td>
<td>Male Tract -1</td>
<td>Ch 3</td>
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<td></td>
<td>12-Sep</td>
<td>Wed</td>
<td>Male Tract -2</td>
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<tr>
<td>4</td>
<td>17-Sep</td>
<td>Mon</td>
<td>Regulation of Reproduction</td>
<td>Ch 5</td>
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<td></td>
<td>19-Sep</td>
<td>Wed</td>
<td>Regulation of Reproduction</td>
<td></td>
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<tr>
<td>5</td>
<td>24-Sep</td>
<td>Mon</td>
<td>Make up day</td>
<td></td>
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<tr>
<td></td>
<td>26-Sep</td>
<td>Wed</td>
<td>Exam 1</td>
<td>Ch 6</td>
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<tr>
<td>6</td>
<td>1-Oct</td>
<td>Mon</td>
<td>Puberty</td>
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<td></td>
<td>3-Oct</td>
<td>Wed</td>
<td>Spermatogenesis - 1</td>
<td>Ch 10</td>
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<td>7</td>
<td>8-Oct</td>
<td>Mon</td>
<td>Spermatogenesis - 2</td>
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<td>10-Oct</td>
<td>Wed</td>
<td>Estrous Cycles - 1</td>
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<td>8</td>
<td>15-Oct</td>
<td>Mon</td>
<td>Estrous Cycles - 2</td>
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<td>17-Oct</td>
<td>Wed</td>
<td>Follicular Phase</td>
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<td>22-Oct</td>
<td>Mon</td>
<td>Luteal Phase</td>
<td>Ch 9</td>
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<td>24-Oct</td>
<td>Wed</td>
<td>Exam 2</td>
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<tr>
<td>10</td>
<td>29-Oct</td>
<td>Mon</td>
<td>Sperm in Female</td>
<td>Ch 12</td>
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<td>31-Oct</td>
<td>Wed</td>
<td>Sperm in Female</td>
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<tr>
<td>11</td>
<td>5-Nov</td>
<td>Mon</td>
<td>Embryogenesis and Pregnancy</td>
<td>Ch 13</td>
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<td></td>
<td>Recognition</td>
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<td></td>
<td>7-Nov</td>
<td>Wed</td>
<td>Embryogenesis and Pregnancy</td>
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<td></td>
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<td>Recognition</td>
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<td>12</td>
<td>12-Nov</td>
<td>Mon</td>
<td>Placentation and Gestation</td>
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<td>14-Nov</td>
<td>Wed</td>
<td>Placentation and Gestation</td>
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<td>13</td>
<td>19-Nov</td>
<td>Mon</td>
<td>Parturition</td>
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<td>21-Nov</td>
<td>Wed</td>
<td>Exam 3</td>
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<td>Mon</td>
<td>Parturition</td>
<td>Ch 14</td>
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<td>28-Nov</td>
<td>Wed</td>
<td>Lactation and Puerperium</td>
<td>Ch 15</td>
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<tr>
<td>15</td>
<td>3-Dec</td>
<td>Mon</td>
<td>Lactation and Puerperium</td>
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<td>5-Dec</td>
<td>Wed</td>
<td>Make up day</td>
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<tr>
<td>16</td>
<td>12-Dec</td>
<td>Wed</td>
<td>Final Exam 10:30-12:30</td>
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