Reproductive Physiology: **BIOL 830P-03**  
Course Outline- SUMMER 2018

**Course Description**  
This course discusses the role of hormones in regulating reproduction in mammals, with an emphasis in humans. Topics to be covered include: 1) sexual differentiation of the brain, 2) spermatogenesis and oogenesis, 3) pregnancy, parturition, and lactation, and 4) fertility and sexually transmitted diseases. Background in anatomy and physiology is recommended.

**Course Objectives**  
1. Students will describe the changes that occur in the reproductive system over the lifetime of an individual.
2. Students will identify the major hormones involved in reproduction and describe their role in regulating reproduction in males and females.
3. Students will describe processes that can lead to dysfunction of the reproductive system.

**Instructor**  
Dr. Nicholas Hobbs  
201F Bruner Hall  
Phone: (308) 865-1572  
Email: hobbsjn@unk.edu  
(Allow me a chance to respond to your email)  
Office hours: T 11:30-12:30, Th 2:00-3:00, F 9:00-10:00; Other times by appointment  
Department Secretary: 865-8548

**Required Text**  

**Tentative Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic(s)</th>
<th>Chapter(s)</th>
<th>Evaluation</th>
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</thead>
<tbody>
<tr>
<td>1 (May 21)</td>
<td>Endocrinology, Brain, and Pituitary Gland; Female and Male Reproductive Systems</td>
<td>1, 2, 4</td>
<td>Weekly Test 1</td>
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<tr>
<td>2 (May 28)</td>
<td>Sexual Differentiation; Brain Sex</td>
<td>5, 16</td>
<td>Weekly Test 2</td>
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<td>Case Study/Discussion 1</td>
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<td>3 (June 4)</td>
<td>Puberty; Reproductive Aging</td>
<td>6, 7</td>
<td>Weekly Test 3</td>
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<tr>
<td>4 (June 11)</td>
<td>Menstrual Cycle; Gamete Transport and Fertilization</td>
<td>3, 9</td>
<td>Weekly Test 4</td>
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<td></td>
<td>Case Study/Discussion 2</td>
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<tr>
<td>5 (June 18)</td>
<td>Human Sexual Response; Pregnancy</td>
<td>8, 10</td>
<td>Weekly Test 5</td>
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<td>6 (June 25)</td>
<td>Labor and Birth; The Neonate and the New Parents</td>
<td>11, 12</td>
<td>Weekly Test 6</td>
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<td>Case Study/Discussion 3</td>
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<tr>
<td>7 (July 2)</td>
<td>Induced Abortion; Infertility</td>
<td>14, 15</td>
<td>Weekly Test 7</td>
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<td>8 (July 9)</td>
<td>Contraception; STDs</td>
<td>13, 17</td>
<td>Weekly Test 8</td>
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<td></td>
<td>Case Study/Discussion 4</td>
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**Point Breakdown**
8 weekly exams (50 pts each) - 400 pts total
Discussion board/Case studies (25 pts each) - 100 pts total
Total points possible: 500 pts

**Exams**
Every week you will have an online exam worth 50 points. These exams will consist of essay questions worth 5-10 points each. All online exams will be available for one week (12:01 AM central time Monday through 11:59 PM central time Sunday). You will have 60 minutes to complete each weekly test. Exams are set so that you can exit (Canvas crashes, for example) and re-enter the exam, but the timer keeps running.

**Case Studies/Discussion**
Students will be presented with a case study or discussion topic every two weeks. Students will submit their answers onto the appropriate discussion board on Canvas.

**Grade Assignment**
Grades will be assigned using the standard grading scale for the Department of Biology, as follows: A (93-100%), A- (90-92%), B+ (88-89%), B (83-87%), B- (80-82%), C+ (78-79%), C (73-77%), C- (70-72%), D+ (68-69%), D (63-67%), D- (60-62%), and F (below 60%). Grade assignments are final unless there is a calculation error. Scaling of grades is up to my discretion (don’t count on it).

**Policy on Incomplete**
To be considered for an “Incomplete” in Biology 830P-03:
1. You must submit the reasons you cannot complete the scheduled work. This must include a copy of your class schedule and description of your responsibilities outside the classroom. This should be done in writing and include confirmation from your employer when appropriate.
2. You must specify the assignments you have missed and a schedule of plans to complete them.

I expect all students to progress through the requirements for Biology 830P-03 in a timely fashion. Unless your circumstance is quite remarkable, do not consider an incomplete.

**Academic Dishonesty Policy**
This policy is stated in the Undergraduate Catalog or at http://catalog.unk.edu/undergraduate/academics/academic-regulations/academic-integrity-policy/
The bottom line is no cheating. Plagiarism will not be tolerated.

**Classroom Decorum**
Disruptive or rude behavior will not be tolerated. It distracts others from the learning process. Disruptive behavior includes, but is not limited to the following: receiving cell phone calls during class (or TEXT MESSAGES), making calls (or TEXTING) during class, leaving class early or coming to class habitually late, eating in class, talking during lecture, reading the newspaper, or sleeping. If you are going to sleep in class, do not come. If you are being disruptive in class, you will be asked to leave. If you have been asked to leave more than once, actions/steps will be taken to remove you permanently from class.

**Problems/Questions**
If you have questions then ask or come and see me or contact me via e-mail or phone. If you are having problems with the course come and see me before it is too late (not before the last exam or when the course is over).

**Students with Disabilities or Those Who are Pregnant**

Students with disabilities or those who are pregnant are encouraged to contact me for a confidential discussion of their individual needs for academic accommodation. It is the policy of the University of Nebraska at Kearney to provide flexible and individualized reasonable accommodation to students with documented disabilities or those who are pregnant. To receive accommodation services for a disability, students must be registered with UNK Disabilities Services Coordinator, David Brandt, in the Academic Success Office, 163 Memorial Student Affairs Building, 308-865-8214 or by email unkds@unk.edu. For those needing accommodation due to pregnancy, you need to visit with Student Health. The following link provides information for students and faculty regarding pregnancy rights. [http://www.nwlc.org/resource/pregnant-and-parenting-students-rights-faqs-college-and-graduate-students](http://www.nwlc.org/resource/pregnant-and-parenting-students-rights-faqs-college-and-graduate-students)

**Reporting Student Sexual Harassment, Sexual Violence or Sexual Assault**

Reporting allegations of rape, domestic violence, dating violence, sexual assault, sexual harassment, and stalking enables the University to promptly provide support to the impacted student(s), and to take appropriate action to prevent a recurrence of such sexual misconduct and protect the campus community. Confidentiality will be respected to the greatest degree possible. Any student who believes she or he may be the victim of sexual misconduct is encouraged to report to one or more of the following resources:

- **Local Domestic Violence, Sexual Assault Advocacy Agency** 308-237-2599
- **Campus Police (or Security)** 308-865-8911
- **Title IX Coordinator** 308-865-8655

Retaliation against the student making the report, whether by students or University employees, will not be tolerated.

If you have questions regarding the information in this email please contact Mary Chinnock Petroski, Chief Compliance Officer ([petroskimj@unk.edu](mailto:petroskimj@unk.edu) or phone 8400).