Syllabus
PCB 1730 Section 91294
Human Reproduction and Inheritance

Fall 2009
Section 91294 MW 11 - 12.15 in DSCS 141

Instructor: Dr. Peter Germroth, Office DSCS 112,
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Homepage: http://www.hccfl.edu/faculty-info/pgermroth.aspx

Office hours*: Mondays 8.00-9.00 a.m.
Tuesdays 11.00 a.m.-12.00 p.m.; 1-2 p.m.; 4.30-7.00 p.m.
Wednesdays 8.00-9.00 a.m.

* all in DSCS 112

Communication: If you like to talk to me in a one-to-one setting I will be available
during the posted office hours, however you should make an appointment with me so
that I can prepare for you and you do not have to wait. The out of class communication
in this course is going to be exclusively via Hawkmail (CampusCruiser); i.e. you must
send me e-mail from within Hawkmail. If your e-mail does not include your name and
course/section I will not respond to it. Notice also that I will respond as fast as I can, but
that does not mean that you can expect return on the weekend or holidays or the same
day.

Class Schedule:

<table>
<thead>
<tr>
<th>class</th>
<th>Date</th>
<th>Topic</th>
<th>CH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8-24</td>
<td>Orientation</td>
<td></td>
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<tr>
<td>2</td>
<td>8-26</td>
<td>Studying Human Sexuality</td>
<td>H1</td>
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<tr>
<td>3</td>
<td>8-31</td>
<td>Studying Human Sexuality</td>
<td>H1</td>
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<tr>
<td>4</td>
<td>9-02</td>
<td>The Scientific Method</td>
<td>BB1</td>
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<tr>
<td>5</td>
<td>9-09</td>
<td>Intro Clickers and clicker use / Movie pt 1</td>
<td></td>
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<tr>
<td>6</td>
<td>9-14</td>
<td>Movie pt 2 (Kinsey)</td>
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<tr>
<td>7</td>
<td>9-16</td>
<td>Human Sexual Anatomy - Male</td>
<td>H2,</td>
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<td></td>
<td></td>
<td></td>
<td>BB18</td>
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<tr>
<td>8</td>
<td>9-21</td>
<td>Human Sexual Anatomy - Female</td>
<td>H2,</td>
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<td></td>
<td></td>
<td></td>
<td>BB18</td>
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<tr>
<td>9</td>
<td>9-23</td>
<td>Human Sexual Physiology</td>
<td>H3</td>
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<tr>
<td>10</td>
<td>9-28</td>
<td>Contraception</td>
<td>H5,</td>
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<td></td>
<td></td>
<td></td>
<td>BB18</td>
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<tr>
<td>11</td>
<td>9-30</td>
<td>Conception, Pregnancy and Birth</td>
<td>H9</td>
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Course Objectives:

At the end of this course, the student will be able to:

1. describe the male and female reproductive systems and hormone influence on these.
2. describe basic chromosome formation, and the process of mitosis and meiosis.
3. explain basic Mendelian laws of inheritance and genetic disorders determinable by genetic testing.
4. discuss conception, embryological development and fetal development.
5. describe the three stages of childbirth.
6. discuss general and specific forms of contraceptives, and their safety factors vs. reliability.
7. discuss the causes of infertility and sexual dysfunction.
8. discuss STD’s, their sources, and treatment.

Required Material: 3 items!!!

3. “Clicker” from Interwrite Systems. Should come with your textbook for this class if you buy at HCC bookstore. Students who took this class previously may offer their clickers at a discount. Watch for announcements.
Exams: There will be two exams, some in-class quizzes and a questionnaire to be answered. You will need an Interwrite clicker for the class exams and for the questionnaire.

Grading: The final total percentage will be calculated from:

- Questionnaire 50 points
- Midterm 100 points
- Final Exam 100 points
- Course reflection 25 points
- In class quizzes 25 points
- Sum total = 300 points

BONUS
- Interactive participation (regular clicker use) up to 20 points

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<thead>
<tr>
<th>Grade-Point relationship</th>
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<tbody>
<tr>
<td>A= 100-90%</td>
<td>more than 270 points</td>
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<tr>
<td>B= 89.9-80%</td>
<td>269-240 points</td>
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<tr>
<td>C= 79.9-70%</td>
<td>239-210 points</td>
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<tr>
<td>D= 69.9-60%</td>
<td>209-180 points</td>
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<tr>
<td>F= less than 60%</td>
<td>less than 180 points</td>
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Exams will not be returned to you. You may look at them in my office.

Expectations and Assignments:
The course topic may elicit emotions like discomfort, confusion, embarrassment, arousal or nervousness. I expect every student to show maturity, professional academic conduct and respect, as well as politeness and tolerance in discussion.

The required course-reflection will be about one to two pages of personal experience in the course, feedback on whether the content helped you understand human sexuality better, and constructive criticism as to what could be dealt with differently, what should be added or deleted from this course. Deadline for submission is Nov, 23rd. It must be submitted via CampusCruiser. It must be either in the file format doc, docx, or rtf.

You will help create a new questionnaire for this course and individually answer those questions at home. I will explain in class how to use the clickers for that purpose. Some of the survey answers are neither “right or wrong” so you will receive credit just for giving an answer. Your answers will be anonymized, so that nobody can tell what answer a particular individual gave! Credit is given for responding to the questions.

You are expected to buy the correct model of “Interwrite Systems” clickers for use in class. Bring them to EVERY meeting, even the movie. Your feedback will be evaluated and your participation will be recorded. Only regular participation will let you earn the full bonus. You will need them for, participation, brief quizzes, the survey and for exams.
**Academic Dishonesty Policy:** I expect honesty – academic and otherwise. If you have a problem, talk to me. I will try to help. I will not tolerate plagiarism or other types of cheating. If I catch you in such a case you will fail the class and additional disciplinary action will be initiated.

**Attendance:** Class attendance will be monitored because of scholarship and homeland security issues. Your attendance record has no direct bearing on your grade. However, be advised that although regular attendance does not guarantee a successful result, it tends to be very helpful. There are numerous studies that show a strong correlation between attendance and success in college undergraduate courses.

*Do not attend class if you experience flu-like-symptoms. If you had a fever, wait at least 24 hours after the fever has ended before you return to college.*

**Miscellaneous:**
- Cell phones must be turned off during class. If you expect an urgent and important call set your phone on silent alert.
- You are responsible for taking notice of all announcements and changes, especially if you miss a class. Check online for this purpose or contact me.
- You are also responsible for adhering to college policy and rules. Refer to the student handbook if in doubt.
- **There will be no extra bonus work etc. beyond what is described in this syllabus. You are expected to master the material assigned in this outline.**

**Students with disabilities:**
Any student whose disabilities fall within American Disabilities Act (ADA) must inform the instructor at the beginning of the term of any special needs or equipment necessary to accomplish the requirements for this course. To arrange for special accommodations for individuals with disabilities contact the Office of Services for Students with Disabilities. The office is located in the Student Services Building Room 204 or call 813-259-6035.