
Carlson lecture PDFs will be loaded onto bcourse site before each lecture. For students who do not want to print out the pdfs, a reader with the lecture pdf slides is available at Krishna Copy at 2001 University Ave. Phone # 510-540-5959. All Carlson powerpoint presentations are in this reader.

Lectures are based primarily, but not exclusively, on information in the required text. Additional information not in the text is integrated into some of the lectures. This additional information will typically include a citation of the scientific publication source of the information.

Exam material will be based only on material presented in the lectures.

Course Description:
This course focuses on the biological and cultural aspects of human reproduction including conception, embryology, pregnancy, labor & delivery, lactation, infant/child development, puberty, and reproductive aging. This includes the study of factors that diminish and factors that enhance fertility, reproduction, and maternal-child health. We explore evolutionary, ecological, environmental, cultural, ethnobiological, and nutritional determinants of fertility, reproductive rate, infant survival, and population growth.

Midterm #1 on 2/16/21 at 2:00 PM: (29% of grade) 50 questions = 50 points
Midterm #2 on 3/30/21 at 2:00 PM: (29% of grade) 50 questions = 50 points
Final Exam on 5/10/21 at 11:30 AM: (32% of grade) 57 questions = 57 points
Discussion section: (10% of grade) = 18 points
  10 pts: Presentation/paper  8 points: attendance

Total possible points for course = 175 points
Grading scale:
We recognize that students' learning environment during the pandemic may depress students' performance in the course, and may adjust this scale at the end of the course to accommodate lower-than expected grades for the class.
A+(97-100%)  A(93-96%)  A-(90-92%),
B+(87-89%)  B(83-86%)  B-(80-82%)
C+(77-79%)  C(73-76%)  C-(70-72%)
D+(67-69%)  D(63-66%)  D-(60-62%)
F (0-59%)

Sequence of Lecture Topics:
with corresponding Reader Pages and Jones & Lopez Book Chapters
Syllabus Powerpoint: Pages 1-3
1) Lecture Topic #1, Neuro-endocrine system, hormone biology, and hormone sensitive tissues: Reader Pages 4-30; Book Ed 3 & 4, Chap 1

2) Lecture Topic #2, Female reproductive system: Reader Pages 31-53; Book Ed 3 & 4, Chap 2

3) Lecture Topic #3, Menstrual cycle: Reader Pages 54-65; Book Ed 3 & 4, Chap 3

4) Lecture Topic #4, Male reproductive system: Reader Pages 66-90; Book Ed 3&4, Chap 4

5) Lecture Topic #5, Sexual differentiation: Reader Pages 91-113; Book Ed 3, Chap 5 & 17; Ed 4, Chap 5 & 16

6) Lecture Topic #6, Puberty & adolescent development: Reader Pages 114-132; Book Ed 3 & 4, Chap 6

7) Lecture Topic #7, Reproductive aging: Reader Pages 133-151; Book Ed 3 & 4, Chap 7

8) Lecture Topic #8, Human sexual response, sex, & gender: Reader Pages 152-186; Book Ed 3 & 4, Chap 8

9) Lecture Topic #9, Sexually transmitted infections: Reader Pages 187-207; Book Ed 3, Chap 18; Ed 4, Chap 17

10) Lecture Topic #10, Contraception & induced abortion: Reader Pages 208-226; Book Ed 3, Chap 14 & 15; Ed 4, Chap 13 & 14

11) Lecture Topic #11, Infertility: Reader Pages 227-236; Book Ed 3, Chap 16; Ed 4, Chap 15

12) Lecture Topic #12, Gamete transport, & fertilization: Reader Pages 237-249; Book Ed 3 & 4, Chap 9

13) Lecture Topic #13, Pregnancy: Reader Pages 250-286; Book Ed 3 & 4, Chap 10

14) Lecture Topic #14, Labor & delivery: Reader Pages 287-333; Book Ed 3 & 4, Chap 11

15) Lecture Topic #15, Infant & Child Nutrition: Reader Pages 334-347; Book Ed 3, Chap 12 & 13; Ed 4, Chap 12
REQUIRED PRESENTATION WITH PAPER IN DISCUSSION SECTION:
Each student will give a five minute presentation on topic related to human reproduction in discussion section. The student will turn in a one page (single spaced, 12 pt. font) on the presentation topic. The written paper should include three or four different citations from peer-reviewed scientific articles. The text with the citations should fit on a single page with single spacing using 12 font.

Peer-reviewed (refereed or scholarly) journals
- In Peer-reviewed Journals, in order to insure the article’s quality, articles are written by experts and are reviewed by several other experts in the field (peer reviewers) before the article is published in the journal.
- In academic publishing, the goal of peer review is to assess the quality of articles submitted for publication in a scholarly journal.
- Articles published in these journals are more likely to be scientifically valid and reach reasonable conclusions.
- The peer reviewers check the manuscript for accuracy and assess the validity of the research methodology and procedures.
- If they find the article to have appropriate scholarly validity and rigor, the peer reviewers may still suggest revisions.
- If the peer reviewers find the article lacking in scholarly validity and rigor, they reject it.
- Because a peer-reviewed journal will not publish articles that fail to meet the standards established for a given discipline, peer-reviewed articles that are accepted for publication exemplify the best research practices in a field.
- Typically, the peer reviewers do not know who is the author of the article, so the article succeeds or fails on its own merit, not the reputation of the expert

Examples of Websites to Locate Peer-Reviewed Articles
- Google Scholar
- Pubmed
- Web of Science

Non-Peer-reviewed articles
- Newspapers, magazines, and websites containing articles and news: Articles are written by people who may or may not be experts in the field of the article. Consequently, articles may contain incorrect information and have biases.
- Non-Peer-reviewed Journals containing articles written by academics and/or professionals. Although the articles are written by “experts,” any particular “expert” may have some ideas that are not considered valid by the academic or professional community.
DISCUSSION SECTIONS:

Zoom Links for these Sections will be posted on the bCourses front page

Section 101: Monday 8:00 -9:00, Cara He

Section 102: Monday 11:00 – 12:00, Peter Kloess

Section 103: Monday 10:00 – 11:00, Cara He

Section 104: Wednesday 12:00 – 1:00, Peter Kloess

Section 105: Tuesday 11:00 – 12:00, Isaac Krone

Section 106: Tuesday 12:00 – 1:00, Isaac Krone

Section 107: Monday 9:00 – 10:00, Cara He

Section 108: Wednesday 1:00 – 2:00, Peter Kloess

Section 109: Thursday 1:00 – 2:00, Isaac Krone