

Human Biology
Zoology LS1020
FALL SEMESTER 2015

Instructor: Dr. Jonathan Clark <http://faculty.weber.edu/jclark1>
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Office hours: Mondays, 1:00 – 3:30 PM • Tuesdays, 1:30 – 2:30 PM • and by appointment

Text: *Biology of Humans*, fifth edition, Goodenough & McGuire
(the fourth edition is acceptable)

COURSE FORMAT

Three lecture-discussion sessions per week (Mon., Wed., Fri., 8:30 – 9:20 AM; LL 130). Students should prepare for the class by reading the textbook and are expected to participate in class discussions by both asking and answering questions. By asking questions during class, students have an opportunity to influence the content of the course.

Electronic screens impair learning and are a distraction to fellow students.

All mobile devices (phones, tablets) and laptops must be turned off before class begins and remain invisible during the entire class period.

COURSE DESCRIPTION AND OBJECTIVES

This is a survey course for non-zoology majors, designed to introduce students to the concepts of science. For more information on the General Education requirements at W.S.U., see (http://www.weber.edu/facultysenate/Curriculum_and_GenEdForms.html).

The content includes the chemical basis of life, properties of cells, basic structure and function of the human body, genetics and heredity, evolution, and ecology. Students will:

- *learn about the scientific method and how it is used to understand the natural world.*
- *develop a functional perspective on the human body.*
- *understand the basis of good health and learn to make informed decisions about health-related matters.*
- *gain an appreciation for the connection that humans have with all other living things and with the environment.*

GRADING

There will be four multiple-choice exams given throughout the semester; each is worth 80 points. The final exam is comprehensive and is worth 120 points. The exams are available on Chi Tester (<http://chitester.weber.edu/>).

There are no make-up exams or extra credit

The final grade will be based on a total of 480 points using the following scale:

A	93 – 100%	B-	80 – 82%	D+	67 – 69%
A-	90 – 92%	C+	77 – 79%	D	63 – 66%
B+	87 – 89%	C	73 – 76%	D-	60 – 62%
B	83 – 86%	C-	70 – 72%	E	< 60%

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COURSE OUTLINE

Midterm exam dates are subject to change

TOPIC	READING
Introduction	Chapter 1
Chemistry of life	Chapter 2
Cell structure and function	Chapter 3
Human organization	Chapter 4
Exam I	Sept. 21–22
Digestive system and nutrition	Chapters 15
Blood composition and function	Chapter 11
Cardiovascular and lymphatic systems	Chapter 12
Respiratory system	Chapter 14
Exam II	Oct. 15–16

NOTE: There is no class Oct. 21 or 23

Skeletal system	Chapter 5
Muscular system	Chapter 6
Nervous system	Chapters 7, 8
Sensory mechanisms	Chapter 9
Exam III	Nov. 9–10
Endocrine system	Chapter 10
Reproductive system	Chapter 17
Development	Chapter 18
Cell division	Chapter 19
Genetics	Chapter 20
Exam IV	Dec. 3–4
Evolution	Chapter 22
Ecology	Chapter 23
Human population	Chapter 24
Final Exam (Comprehensive Coverage)	Dec. 16–17

- The exams are available on Chi Tester: <http://chitester.weber.edu/>
- Study guides for each exam are available at: <http://faculty.weber.edu/jclark1>

EXAM COVERAGE

Students are responsible for ALL material covered in class, including additional topics not listed on the Study Guides.

EXPECTATIONS

Students should view the statement of Student-Faculty Expectations on the Department of Zoology's web site (http://weber.edu/zoology/Student-Faculty_Expectations.html)