

**Human Biology 10-806-198**  
**Western Technical College, La Crosse Campus**  
**SPRING 2015**

**Instructor:** Jilayne Karr

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**Course Numbers and Dates:**

- Lecture: Mon/Wed 12:40-2:10pm in K405 Lab: Thurs 9:10-11:20am in K405

**Office Hours:** Wednesdays 11:30-12:30pm and Thursdays 11:30-2:30pm, and by appointment

I reserve the right to make changes or substitutions to this syllabus and will provide sufficient notice when changes are made.
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### **Course Description, 4 credits**

This is an introductory course that emphasizes the structure of the human body and the functional interrelationships of the body's systems. Consideration is given to the human body and disease, human genetics, human ecology, and the role that humans play in the environment. The course consists of 3 hours of lecture and 2 hours of lab per week. Note: This course does not meet requirements for or substitute for General Anatomy and Physiology or Anatomy & Physiology I and II.

### **Prerequisites**

Prerequisite(s): ACT / Reading <17.00> or ASST / Reading <40.00> or COMP / Reading <75.00> or 77858762.13 / Academic Offering <min grade = C, min credit = 3.00>

### **Course Competencies**

1. Explore the hierarchical organization of life.
2. Summarize the cell structure and function, including organization as different tissues.
3. Examine the structure and functions of the integumentary system.
4. Investigate the structures of the cardiovascular system, including function and location.
5. Explore the mechanisms for defense in the body.
6. Examine the structures of the digestive system, including function and location.
7. Examine the structures of the respiratory system, including function and location.
8. Examine the structures of the urinary system, including function and location.
9. Examine the structures of the musculoskeletal system, including function and location.
10. Examine the structures of the nervous system and sense organs, including function and location.
11. Examine the structures of the endocrine system, including function and location.
12. Examine the structures of the reproductive system, including function and location.
13. Investigate factors related to human genetics and inheritance.
14. Explore factors related to cancer.
15. Summarize concepts relating global ecology and human actions.

### **Course Materials**

- Textbook: Goodenough and McGuire. ***Biology of Humans: Concepts, Applications, and Issues***. Pearson, 2014. Fifth edition. ISBN-10: 0-321-82171-8. ISBN-13: 978-0-321-82171-3. (Required)
- Lab and lecture material can be purchased at Digicopy on Mormon Coulee Road in La Crosse, or posted on Blackboard.

## BlackBoard and E-mail

Students are required to enroll in BlackBoard site for this course at ( <http://blackboard.westernnc.edu> ). Enrollment will require the activation of a Western Technical College email account. *\*Email and BlackBoard will be used as primary sources of communication between instructor and students outside of class. It is expected that students monitor their email on a regular basis. It is also expected that emails will be written in complete sentences, have a subject line, and be from a Western email account.*

Course information, syllabus, lecture and laboratory materials, grade access, and announcements will be found on the BlackBoard site. Please visit this site regularly. The full syllabus with lecture/lab calendar, lab materials, and any supplementary materials are available to you online on our BlackBoard class site. Feel free to download, save, or print them as you wish.

## Student Responsibilities

1. Attend, be on time and prepare for all lectures and labs.
2. Contact instructor whenever you are having difficulty so additional assistance can be arranged.
3. Take all assessments on time. Contact the instructor within 24 hours if you must miss class for extenuating circumstances. [Being scheduled to work is not an extenuating circumstance]
4. Abide by the Student Code of Conduct/Academic Honesty policies (see “Student Handbook” or link below). ( <http://www.westernnc.edu/currentstudents/studentpolicies.asp> )
5. Have an active email account and access to computer with Adobe Reader & MS Word.
6. Check Blackboard at least 3 times per week for updates and assignments.

## Student Code of Conduct

All students are entitled to a positive learning environment. Disruption of this can result in class dismissal and/or being dropped from the course. Please consult the Western Student Handbook for a full listing of the Student Code of Conduct.

## Accommodation

Reasonable requests for appropriate modifications to policies and practices to accommodate learning differences, and/or mental or physical health concerns may be granted. Any student in need of accommodation may contact Kristina Stellpflug at Disability Services at 785-9875 or at [StellpflugK@westernnc.edu](mailto:StellpflugK@westernnc.edu). Documentation must be on file with the instructor prior to receiving accommodations for testing, note-taking, etc. Requests will be held in confidence.

## Grading Policies

Course performance will be evaluated on a variety of assignments and evaluations, and the grade based upon the percentage of accumulated points earned out of the total possible points for the semester. A 75% (C) is the minimum score required if Human Biology is a program requirement.

Grades will not be rounded up or down. (Example: 89.9% = B)

Grading scale	
A	93-100%
A/B	90-92%
B	84-89%
B/C	81-83%
C*	*75-80%
D	67-74%
F	66 and below%

<b>Assignments/Exams That Contribute to Course Grade:</b>
<b>Mastering Human Biology Online Homework (100pts – grade will be posted to blackboard at the end of the semester)</b> Short online assignments will be graded each week online on the material presented that week. Assignments are due Mondays on the day of the exam on those chapters. SEE COURSE CALENDAR FOR DUE DATES
<b>Lab Questions (5 pts x 14 weeks)</b> Prelab questions for each lab will be due before beginning lab each week. Students who have not completed these questions, cannot begin lab.
<b>In-class Activities and Labs (10+pts x 14 weeks)</b> Each lab is worth 10 points and consists of pre- and post- lab questions. Answers will be provided at the end of lab. Points are also given for in-class activities related to lecture content. It is not possible to makeup points given for in-class class activities.
<b>Exams (100pts x 8)</b> There will be 8 exams covering lecture and lab content. All exams are worth 100 points and will take place in the lecture room. Exams will consist of multiple choice, true/false, and matching. SEE COURSE CALENDAR FOR DUE DATES
<b>Group Debate (25pts)</b> During the last week of class, all students will participate in a group debate on the social science applications of common human health concerns.
<b>Final Exam (100pts)</b> A cumulative final exam that reviews the main concepts in the course will be given the last day of class.

### Academic Honesty

Cheating will not be tolerated and will result in a zero, the incident reported to the student's permanent record. Cheating includes giving or receiving assistance on an exam, copying homework assignments from other students, having another student complete work for you, and plagiarism (see **Plagiarism** below). I encourage you to help your peers understand the material and form study groups, but each student **must** do his or her own work. Criteria will follow the Western Student Code of Conduct in all cases (web link above).

### Plagiarism

Plagiarism includes copying another student's work as well as directly copying material from other sources (your textbook, websites, news and journal articles, lab manual, etc) without properly citing the material. Plagiarism is a form of cheating and will not be tolerated in any assignment or evaluation (written or online). Should plagiarism occur, that assignment/evaluation will receive a zero and the student may be subject to more serious consequences such as course dismissal. If you have questions regarding plagiarism, paraphrasing or citations, please see me or refer to the following website: ( <http://learn.westerntc.edu/writingcenter/Handbook/Process/OWCplagi.htm> )

### Cell Phone Use

Cell phones must be turned to silent or off and must not be at all visible during class. Please do not interact with your cell phone during class as this distracts from learning. In the case of emergencies, please leave the classroom and go down the hall to use your cell phone.

### Attendance

Class attendance and participation are imperative to the learning process. Poor attendance will directly impact course success. If class is missed, it is the student's responsibility to obtain any missed notes and information either from BlackBoard or fellow classmates.

Students are not automatically dropped from the class for non-attendance. It is the student's responsibility to withdraw from the course. Failure to formally withdraw through MyWestern will result in a F in the course.

### Missed/Late Assignments

If a student must miss class, it is the student's responsibility to submit any assignments due that day in person or via email by the beginning of class time. Late assignments will not be accepted unless advance notice is provided.

A maximum of ONE exam makeup is allowed per semester. Makeup exams must be taken within one week of the originally scheduled exam. Arrangement must be made within 24 hours of the absence.

Week	Monday Lecture	Wednesday Lecture	Thursday Lab
1 1/5	Introduction to Biology Ch. 1	Body Organization and Homeostasis Ch. 4	LAB 1: <i>Metrics, Measurement and Microscopy</i>
2 1/12	<b>EXAM #1</b> Chemistry of Life I Ch. 2	Chemistry of Life II	LAB 2: <i>Chemistry of Life p.35-62</i>
3 1/19	No Class – MLK Day	The Cell Ch. 3	LAB 3: <i>Cell Structure, Tissues, Skin</i>
4 1/26	<b>EXAM #2</b> Skeletal System Ch. 5	Muscular System Ch. 6	LAB 4: <i>Musculoskeletal Anatomy</i>
5 2/2	Nervous I Ch. 5	Nervous System II Ch. 7 and 8	LAB 5: <i>Nervous System Anatomy and Reflexes</i>
6 2/9	<b>EXAM #3</b> Nervous System Disorders	Sensory System Ch. 9	LAB 6: <i>Special Senses</i>
7 2/16	Special Senses: Guest Speakers	Endocrine System Ch. 10	LAB 7: <i>Endocrine Basics Overview of Diabetes I/II</i>
8 2/23	<b>EXAM #4</b> Infectious Disease Ch. 13,17	No Class – Winter Break	No Class – Winter Break
9 3/2	Cardiovascular System I Ch. 12	Cardiovascular System II Ch. 12	LAB 8: <i>Blood and Cardiovascular Anatomy</i>
10 3/9	<b>EXAM #5</b> Respiratory System I Ch. 14	Respiratory System II Ch. 14	LAB 9: <i>Respiratory Anatomy and Impacts of Smoking</i>
11 3/16	Digestive System I Ch. 15	Digestive System II Ch. 15	LAB 10: <i>Digestive Anatomy and Nutrition</i>
12 3/23	<b>EXAM #6</b> Urinary System I Ch. 16	Urinary System II Ch. 16	LAB 11: <i>Urinary Anatomy and Urinalysis</i>
13 3/30	Reproductive System Ch. 17	Pregnancy and Fetal Development Ch. 18	LAB 12: <i>Reproductive Anatomy and Fetal Development</i>
14 4/6	<b>EXAM #7</b> Chromosomes, Cell Division, and Cancer Ch. 19,21	Genetics and Human Inheritance Ch. 20	LAB 13: <i>DNA, Genetics, and Cancer</i>
15 4/13	Human Evolution Ch. 22	Human Population and Ecological Impacts Ch. 24	LAB 14: <i>Human Evolution and Ecology</i>
16 4/20	<b>EXAM #8</b> Group Debate Prep	<b>Group Debates</b>	<b>Final Exam</b>