

**Lincoln University**  
**Biology Program/Department of Biology**  
**Master Course Syllabus**

<b>COURSE TITLE:</b>	Human Anatomy	<b>COURSE NUMBER:</b>	BIO-408
<b>CREDIT HOURS:</b>	4	<b>PREREQUISITE(S):</b>	BIO-104; or BIO-205 and BIO-206 Junior/Senior Standing
<b>TERM:</b>	Fall 2016	<b>CO-REQUISITE(S):</b>	BIO-408L
<b>COURSE METHOD:</b>	Web-enhanced	<b>MEETING DAY AND TIME:</b>	TBD
<b>INSTRUCTOR:</b>	Dr. Karen A. Baskerville	<b>CLASSROOM/LAB/STUDIO LOCATION:</b>	SCIB classroom SCIB 217; Simulation Lab
<b>OFFICE LOCATION:</b>	SCIB 219	<b>E-MAIL:</b>	kbaskerville@lincoln.edu
<b>OFFICE HOURS:</b>	TBD	<b>PHONE EXTENSION:</b>	7507

**COURSE DESCRIPTION:** This course is intended for students who desire to pursue medical, dental, pharmacy, and other health professional degrees and graduate degrees in anatomy. This course presents a systemic approach to the study of the human body. Lecture presentation begins with an introduction of anatomical terminology and an overview of cellular processes and tissue classification. Students then learn the gross and microscopic anatomy of the following systems: integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, urinary, and reproductive. Case studies will be used so that students can solve complex medical problems in anatomy. The laboratory component of the course generally parallels and reinforces lecture concepts through the use of preserved specimens, models, histological slides, skeletal materials, and virtual cadaver demonstration. Students will also gain practical experience in the simulation lab in the nursing department. The lecture and lab will be integrated in two 3-hour time blocks each week.

**REQUIRED TEXT:** Marieb or McKinley's Human Anatomy.

Marieb, Elaine N. Human Anatomy, 8<sup>th</sup> ed. Pearson, 2013. ISBN-13: 978-0134243818.

McKinley, Michael, 4<sup>th</sup> ed. McGraw-Hill, 2014. ISBN-13: 978-0073525730.

Also, Bartleby.com's version of Gray's Anatomy. Netter's Atlas of Human Anatomy. The textbooks are available in the University Bookstore.

**REQUIRED MATERIALS:** Case studies and other supplemental material will be handed out in class and provided on Moodle. You must have an active Moodle account.

McGraw-Hill Connect Web-based Platform (or Pearson's Mastering AP)

- McGraw-Hill's Connect is a web-based assignment and assessment solution recommended for this course. Connect is designed to assist you with your coursework based on your needs. Required quizzes will be assigned in Connect.

- Connect access codes are packaged with a new textbook in the bookstore, at no additional cost. Connect can also be purchased online.

### **ASSESSMENT CRITERIA & ALIGNMENT**

Course SLO	PSLOs	ILOs	Direct and Indirect Assessment Methods
CSLO 1	4, 5c	5	Pre/post test; case studies; quiz and test questions; in-class assignments
CSLO 2	2	1	Pre/post test; quiz and test questions; in-class and homework assignments
CSLO 3	2, 4	1, 5	Case studies; in-class assignments; presentation
CSLO 4	5c	5	Pre/post test; quiz and test questions; in-class and homework assignments
CSLO 5	4, 5c	5	Pre/post test; case studies; quiz and test questions; in-class and homework assignments
CSLO 6	4, 5c	5	Pre/post test; quiz and test questions; homework assignments; case studies
CSLO 7	3, 4, 5c	5, 7	Case studies; simulation lab; essay questions and problems on exams
CSLO 8	4, 5c	5	Lab assignments; simulation lab

### **COURSE STUDENT LEARNING OUTCOMES (CSLO):**

Upon successful completion of this course the student will:

1. Explain and identify how structure and function are complementary.
2. Identify and express correctly anatomical terminology.
3. Communicate effectively anatomical and physiological concepts through written, spoken, and visual means, independently and in groups.
4. Identify gross and microscopic anatomy of the human body.
5. Discuss the interrelationship of the organ systems of the human body.
6. Identify pathological changes in the diseased state of organs and organ systems.
7. Solve medical problems related to anatomy by evaluating case studies and scenarios in the simulation lab.
8. Describe and explain structural relationships of the human body through hands-on and virtual dissection, simulation lab cases, microscopic analyses, and imaging.

### **PROGRAM STUDENT LEARNING OUTCOMES (PSLO):**

2. Communicate effectively biological concepts through written, spoken and visual means.
3. Interpret numerical displays of data and apply quantitative skills and reasoning to biological problems.
4. Think critically, both individually and in a group, to solve complex problems.
- 5c. Correlate structure and function at multiple levels of biological organization.

### **INSTITUTIONAL LEARNING OUTCOMES (ILO):**

1. Effective Communication
5. Critical Thinking and Integrative Learning
7. Financial and Quantitative Literacy

**CALCULATION OF FINAL GRADES:**

<b><u>Lecture Assignments</u></b>	<b><u>Percentage of Final Lecture Grade</u></b>
3 Exams (includes midterm)	30%
Comprehensive Final Exam	20%
4 Quizzes; lowest grade dropped	10%
Presentation	15%
Assignments (Case Studies, Homework, Sim Lab, etc.)	25%

<b><u>Lab Assignments</u></b>	<b><u>Percentage of Final Lab Grade</u></b>
Lab Practicals	60%
Lab Assignments	25%
Attendance/Participation	15%

The lecture part of the course is worth 50% of the final grade, and the lab part counts as 50% of the final grade.

**GRADING SCALE:**

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	F
GPA	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.0
Points											
%	100-93	92-90	89-87	86-83	82-80	79-77	76-72	71-68	67-65	64-60	<60

**SCHEDULE OF LEARNING TOPICS COVERED**

<b>CLASS MEETS:</b>	
<b>•ASSIGNMENT SELECTION &amp; SCHEDULE MAY BE SUBJECT TO CHANGE•</b>	
<b>Week 01:</b>	Introduction; Orientation to Human Anatomy
<b>Week 02:</b>	Cell; Tissues
<b>Week 03:</b>	Tissues; Integumentary System Exam 1
<b>Week 04:</b>	Skeletal System
<b>Week 05:</b>	Skeletal System; Joints
<b>Week 06:</b>	Muscular System
<b>Week 07:</b>	Muscular System

<b>Week 08: Midterm</b>	<b>Mid-term Week – Exam 2</b> Nervous System
<b>Week 09:</b>	Nervous System
<b>Week 10:</b>	Nervous System; Endocrine System
<b>Week 11:</b>	Circulatory System
<b>Week 12:</b>	Lymphatic System; Respiratory System
<b>Week 13:</b>	Exam 3 Digestive System
<b>Week 14:</b>	Urinary System
<b>Week 15:</b>	Reproductive System

**UNIVERSITY ATTENDANCE POLICY:**

Lincoln University uses the class method of teaching, which assumes that each student has something to contribute and something to gain by attending class. It further assumes that there is much more instruction absorbed in the classroom than can be tested on examinations. Therefore, students are expected to attend all regularly scheduled class meetings and should exhibit good faith in this regard.

<http://www.lincoln.edu/sites/default/files/pdf/academic-catalog-2015-16-1.pdf>

**STUDENTS WITH DISABILITIES STATEMENT:**

Lincoln University is committed to non-discrimination of students with disabilities and therefore ensures that they have equal access to higher education, programs, activities, and services in order to achieve full participation and integration into the University. In keeping with the philosophies of the mission and vision of the University, the Office of Student Support Services, through the Services for Students with Disabilities (SSD) Program, provides an array of support services and reasonable accommodations for students with special needs and/or disabilities as defined by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. The Services for Students with Disabilities Program seeks to promote awareness and a campus environment in which accommodating students with special needs and/or disabilities is natural extension of the University's goal.

Any student with a documented disability should contact the Office of Student Support Services.

<http://www.lincoln.edu/student-services/index.html>

**UNIVERSITY ACADEMIC INTEGRITY STATEMENT:**

Students are responsible for proper conduct and integrity in all of their scholastic work. They must follow a professor's instructions when completing tests, homework, and laboratory reports, and must ask for clarification if the instructions are not clear. In general, students should not give or receive aid when taking exams, or exceed the time limitations specified by the professor. In seeking the truth, in learning to think critically, and in preparing for a life of constructive service, honesty is imperative. Honesty in the classroom and in the preparation of papers is therefore expected of all students. Each student has the responsibility to submit work

that is uniquely his or her own. All of this work must be done in accordance with established principles of academic integrity.

<http://www.lincoln.edu/sites/default/files/pdf/academic-catalog-2015-16-1.pdf>

**POLICY ON ELECTRONIC DEVICES IN CLASSROOM:**

- All ear buds and headphones must be removed when entering the classroom.
- Cell phones, tablets, laptops and similar electronic devices may be used in the classroom for course related purposes only and should be put away at all other times.
- Cell phones and other electronic devices must be turned off during quizzes, exams and at any other times that the instructor requests it.
- Anybody found using electronic devices for personal purposes during class time will receive a warning. A second offense will lead to confiscation of the device for the rest of the class.