



North Central State College  
MASTER SYLLABUS  
2020-2021

- A. Academic Division: Health Sciences
- B. Discipline: Science
- C. Course Number and Title: BIOL1710 Introduction to Anatomy & Physiology
- D. Course Coordinator: Jeff Taylor  
Assistant Dean: Melinda Roepke, MSN, RN

Instructor Information:

- Name: [Click here to enter text.](#)
- Office Location: [Click here to enter text.](#)
- Office Hours: [Click here to enter text.](#)
- Phone Number: [Click here to enter text.](#)
- E-Mail Address: [Click here to enter text.](#)

- E. Credit Hours: 3  
Lecture: 2 hours  
Laboratory: 2 hours
- F. Prerequisites: None
- G. Syllabus Effective Date: Fall, 2020
- H. Textbook(s) Title:

*Anatomy and Physiology for Health Professions*

- Authors: Colbert, Ankney and Lee
- Copyright Year: 2011
- Edition:
- ISBN #: 978-0135-0607-73

- I. Workbook(s) and/or Lab Manual:

*Student Workbook to Accompany A & P for Health Professions*

- Authors: Colbert, Ankney and Lee
- Copyright Year: 2011
- Edition:
- ISBN #: 9780135060711

- J. Course Description: This course is an introductory study of life processes and biological principles. Special reference to the human organism is used in describing the nature of life-sustaining functions. Cellular function and the structure and function of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems are introduced. Laboratory experiences are designed to supplement the lecture topics and include microscopy, the study of models, specimen dissection, cadaver study and physiological experiments. (OTM approved course in Natural Sciences TMNS)

K. College-Wide Learning Outcomes

College-Wide Learning Outcomes	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Describe the body planes and general organization.	Exams, quizzes, practical lab tests throughout the semester
2. Identify selected cell structures and briefly state their functions.	Exams, quizzes, practical lab tests throughout the semester
3. Define homeostasis, mitosis, diffusion, osmosis, and active transport.	Exams, quizzes, practical lab tests throughout the semester
4. List the major tissue types and state their general functions.	Exams, quizzes, practical lab tests throughout the semester
5. Identify on models and drawings, selected microscopic and macroscopic components of the skin, skeleton, muscular, nervous, sensory, endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems.	Exams, quizzes, practical lab tests throughout the semester
6. Briefly explain or summarize the functional roles of selected organs or tissues and their parts in the various body systems.	Exams, quizzes, practical lab tests throughout the semester

M. Topical Timeline (Subject to Change):

**LECTURE**

1. General Organization of the Human Body
2. General Processes of the Body
3. General Principles of Chemistry, Matter, and Life
4. Major Cell Parts and their Functions
5. Division of Cells
6. Movement of Substances Across the Cell Membrane
7. Tissues, Glands, and Membranes
8. The Skin
9. The Skeleton
10. The Muscular System
11. The Nervous System
12. The Sensory System
13. The Endocrine System
14. The Blood
15. The Heart
16. Blood Vessels and Circulation
17. Lymphatic System and Immunity
18. Respiratory System
19. Digestive System

- 20. Metabolism
- 21. Urinary System
- 22. Reproductive System

**LAB**

- 1. Body references and organization
- 2. Cells and tissues
- 3. Skeleton
- 4. Major muscles
- 5. Neuron and PNS component, brain and spinal cord
- 6. Eye and ear anatomy
- 7. Endocrine
- 8. Blood
- 9. Heart anatomy
- 10. Major blood vessels
- 11. Respiratory anatomy and volume
- 12. Digestive anatomy
- 13. Urinary anatomy & function; urinalysis
- 14. Reproductive anatomy

N. Course Assignments:

- 1. Lecture quizzes and exams
- 2. Laboratory practical exams

O. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93-100	A	4.00	Superior
90-92	A-	3.67	Superior
87-89	B+	3.33	Above Average
83-86	B	3.00	Above Average
80-82	B-	2.67	Above Average
77-79	C+	2.33	Average
73-76	C	2.00	Average
70-72	C-	1.67	Below Average
67-69	D+	1.33	Below Average
63-66	D	1.00	Below Average
60-62	D-	0.67	Poor
00-59	F	0.00	Failure

P. Grading and Testing Guidelines:

[Click here to enter text.](#)

Q. Examination Policy:

[Click here to enter text.](#)

R. Class Attendance and Homework Make-Up Policy:

Click here to enter text.

S. Classroom Expectations:

Click here to enter text.

T. College Procedures/Policies:

**Important information regarding College Procedures and Policies can be found on the [syllabus supplement](#) located at**

**<http://catalog.ncstatecollege.edu/mime/download.pdf?catoid=5&ftype=2&foid=3>**