BIO 169: Anatomy and Physiology II

4 CREDIT HOURS ($354.65 IN-STATE)

COURSE DESCRIPTION:
This course provides a continuation of the comprehensive study of the anatomy and physiology of the human body. Topics include the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as metabolism, nutrition, acid-base balance, and fluid and electrolyte balance. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. This course has been approved for transfer under the CAA as a premajor and/or elective course requirement.

PREREQUISITES:
State: BIO 168

COREQUISITES:
None

FOR CLASS REGISTRATION YOU ARE REQUIRED TO SUBMIT THE FOLLOWING:

- Term: 2019FA  Major: SPECIAL CREDIT/VISITING STUDENT
- A Prerequisite Approval Form: https://www.lenoircc.edu/pdf/acad/specialvisit.pdf
- An Unofficial Transcript from the college where you completed the prerequisite course. Placement scores are also acceptable
- Questions about prerequisites? Contact srmoss69@lenoircc.edu
- Payment is due by 11/27/19. You can pay online through WebAdvisor or by calling the cashier at ext. 324.

REQUIRED EBOOK: see Bookstore: lenoircc.bncollege.com

INSTRUCTOR INFORMATION:

Lysa Mackey E-mail: lkmackey44@lenoircc.edu
Phone: 252-527-6223, ext. 977 Office: Science/LAP (Building 027), Room 209

ATTENDANCE:

Attendance/participation in Distance Education (DE) courses directly affects students' success in a course. LCC uses the Learning Management System Moodle to deliver DE courses. Students taking Internet courses must submit an assignment in each Internet course in Moodle by the 10% date to establish an initial enrollment date and to be fully enrolled in the course. Students who do not submit an assignment by the 10% date will be marked as "Never Attend" and withdrawn from the course. The 10% point of a 4 week class is day 2. No exceptions. No refunds. In DE courses, attendance is assessed by submitted assignments. Students not participating for two consecutive weeks or missing (15%) of the assignments, as determined by the instructor, may be dropped from the course. It is important for students in a DE course to inform their instructor of issues that may affect attendance/participation to minimize the chance of being dropped.

GRADING BREAKDOWN:

Lecture Exams 40%
Lab Practical Exams 30%
Quizzes 5%
Homework 10%
Final Lecture Exam 15%
**CLASS SCHEDULE: BIO 169 HOLIDAY SCHEDULE**

**WEEK 1 ASSIGNMENTS**

Introduction to Mastering Anatomy and Physiology

Ch. 16 Module 1: Sections 16.01-16.03 Dynamic Study Module

Ch. 16 Module 2: Sections 16:04-16:05 Dynamic Study Module

Ch. 16 Module 3: Section 16.06 Dynamic Study Module

Ch. 16 Module 4: Section 16.07-16.08 Dynamic Study Module

Ch. 16 Module 5: Section 16.09-16.10 Dynamic Study Module

Ch. 16 Module 6: Section 16.11 Dynamic Study Module

Ch 16 HW

**Ch 16 Reading Quiz**

Ch. 17 Module 1: Sections 17.01-17.02 Dynamic Study Module

Ch. 17 Module 2: Section 17.03 Dynamic Study Module

Ch. 17 Module 3: Sections 17.04-17.05 Dynamic Study Module

Ch. 17 Module 4: Sections 17.06-17.08 Dynamic Study Module

Ex. 27: Best of Homework - Functional Anatomy of the Endocrine Glands

**PAL: Cadaver > Endocrine System > Quiz**

**PAL: Models > Endocrine System > Quiz**

Ch 17 HW

**Ch 17 Reading Quiz**

Ch. 18 Module 1: Section 18.01 Dynamic Study Module

Ch. 18 Module 2: Section 18.02 Dynamic Study Module

Ch. 18 Module 3: Section 18.03 Dynamic Study Module

Ch. 18 Module 4: Section 18.04-18.05 Dynamic Study Module

Ch. 18 Module 5: Section 18.06-18.07 Dynamic Study Module

Ex. 29: Best of Homework - Blood

Ex. 30: Best of Homework - Anatomy of the Heart
Ch 18 HW

Ch 18 Reading Quiz

Ch. 19 Module 2: Section 19.03-19.05 Dynamic Study Module
Ch. 19 Module 1: Sections 19.01-19.02 Dynamic Study Module
Ch. 19 Module 3: Section 19.06-19.10 Dynamic Study Module
Ch. 19 Module 4: Section 19.11 Dynamic Study Module
Ch. 19 Module 5: Section 19.11 Dynamic Study Module
Ex. 31: Best of Homework - Conduction System of the Heart and Electrocardiography

PAL: Cadaver > Cardiovascular System: Heart > Quiz
PAL: Models > Cardiovascular System: Heart > Quiz
Ch 19 HW

Ch 19 Reading Quiz

Ch. 20 Module 1: Section 20.01-20.02 Dynamic Study Module
Ch. 20 Module 2: Section 20.03 Dynamic Study Module
Ch. 20 Module 3: Section 20.04 Dynamic Study Module
Ch. 20 Module 4: Section 20.05-20.06 Dynamic Study Module
Ex. 32: Best of Homework - Anatomy of Blood Vessels
Ex. 33: Best of Homework - Cardiovascular Physiology

PAL: Cadaver > Cardiovascular System: Blood Vessels > Quiz
PAL: Models > Cardiovascular System: Arteries > Quiz
PAL: Models > Cardiovascular System: Veins > Quiz

WEEK 2 ASSIGNMENTS

Exam 1 Chapters 16-19: Endocrine and Cardiovascular

Ch 20 HW

Ch 20 Reading Quiz

Ch. 21 Module 1: Section 21.01-21.02 Dynamic Study Module
Ch. 21 Module 2: Section 21.03-21.04 Dynamic Study Module
Ch. 21 Module 3: Section 21.05 Dynamic Study Module
Ch. 21 Module 4: Section 21.06-21.07 Dynamic Study Module
Lab Practical 1

Ch. 22 Module 1: Section 22.01-22.02 Dynamic Study Module
Ch. 22 Module 2: Section 22.03-22.05 Dynamic Study Module
Ch. 22 Module 3: Section 22.06-22.07 Dynamic Study Module
Ch. 22 Module 4: Section 22.08-22.10 Dynamic Study Module

Ex. 35: Best of Homework - The Lymphatic System and Immune Response

Ch. 22 HW

Ch 22 Reading Quiz

Ex. 36: Best of Homework - Anatomy of Respiratory System

PAL: Cadaver > Lymphatic System > Quiz
PAL: Models > Lymphatic System > Quiz

PAL: Cadaver > Respiratory System > Quiz
PAL: Models > Respiratory System > Quiz

Ch. 23 Module 1: Section 23.01-23.03 Dynamic Study Module
Ch. 23 Module 2: Section 23.04-23.05 Dynamic Study Module
Ch. 23 Module 3: Section 23.06-23.07 Dynamic Study Module
Ch. 23 Module 4: Section 23.08-23.11 Dynamic Study Module

Ex. 38: Best of Homework - Anatomy of the Digestive System

Exam 2 Chapters 20-22

WEEK 3 ASSIGNMENTS

Ch 23 HW

Ch 23 Reading Quiz

Ch. 24 Module 1: Section 24.00-24.01 Dynamic Study Module
Ch. 24 Module 2: Section 24.02 Dynamic Study Module
Ch. 24 Module 3: Sections 24.03-24.06 Dynamic Study Module
Ch. 24 Module 4: Section 24.07-24.11 Dynamic Study Module

Ex. 39: Best of Homework - Digestive System Processes: Chemical and Physical

Ch 24 HW

Ch 24 Reading Quiz
Ch. 25 Module 1: Section 25.01-25.02 Dynamic Study Module
Ch. 25 Module 2: Section 25.03-25.05 Dynamic Study Module
Ch. 25 Module 3: Section 25.06-25.08 Dynamic Study Module
Ch. 25 Module 4: Section 25.09 Dynamic Study Module

PAL: Cadaver > Digestive System > Quiz
PAL: Models > Digestive System > Quiz

Ch 25 HW

Ch 25 Reading Quiz

Ch. 26 Module 1: Sections 26.01-26.02 Dynamic Study Module
Ch. 26 Module 2: Section 26.03 Dynamic Study Module
Ch. 26 Module 3: Section 26.04-26.05 Dynamic Study Module
Ch. 26 Module 4: Sections 26.06 Dynamic Study Module

Lab Practical 2

Ch 26 HW

Ch 26 Reading Quiz

Ex. 40: Anatomy of the Urinary System

PAL: Cadaver > Urinary System > Quiz
PAL: Models > Urinary System > Quiz

Exam 3 Chapters 23-26

WEEK 4 ASSIGNMENTS
Ch. 27 Module 1: Section 27.01-27.03 Dynamic Study Module
Ch. 27 Module 2: Section 27.04-27.06 Dynamic Study Module
Ch. 27 Module 3: Section 27.07-27.09 Dynamic Study Module
Ch. 27 Module 4: Section 27.10-27.13 Dynamic Study Module
Ch. 27 Module 5: Section 27.14-27.16 Dynamic Study Module
Ex. 42: Best of Homework - Anatomy of the Reproductive System

Ch 27 HW

Ch 27 Reading Quiz

Ch. 28 Module 1: Section 28.01 Dynamic Study Module