

BLUEGRASS COMMUNITY AND TECHNICAL COLLEGE

**SYLLABUS AND COURSE OBJECTIVES
Fall 2015**

Course Prefix: BIO 139 Sections J O E 1

Course Title: Human Anatomy and Physiology II

Credit Hours: 4

Prerequisites: BIO 137

Division: Allied health and Natural Sciences

Department: Biological Sciences

Instructor: Robin L. Cooper Email: RLCOOP1@uky.edu
Office hours: By appointment. Prior or after lecture would work well.
(24 hour answering machine) 859-559-7600

**E-mail address
and web address** RLCOOP1@uky.edu ;
WEB
<http://web.as.uky.edu/Biology/faculty/cooper/BCTC/teachingBio139Fall2015.html>

Office Hours: Tu & Th before or after class (5:00-6:15 PM). After class 6:15 to 7:15 or later if you are waiting in line.

Lab instructors : Danielle Lyons

**Biology
Coordinator:** Ms. Rebecca McCane, Rm. 234 A OB, Phone: 246-6487

**Course
Coordinator:** Dr. Molly Frisbie, Rm. 306C OB, Phone: 246 – 6469

**Biology
Secretary:** Ms. Phyllis Mulcahy,
Rm. 234 Oswald
Phone: 246-6445

**Assistant
Dean:** Tammy Liles, Rm. 234 K OB, Phone: 246-6449

Office Manager: Phyllis Cunningham, Rm. 234 OB,
Phone: 246-6445

SYLLABUS AND COURSE OBJECTIVES

BIO 139 COURSE DESCRIPTION:

The second semester continues the study of the interrelationships of organ systems, including the endocrine, reproductive, cardiovascular, lymphatic, digestive, respiratory, and urinary systems. Lecture: 3 hours. Laboratory: 2 hours. Prerequisites: BIO 137.

GENERAL EDUCATION COMPETENCIES:

- A. Knowledge of human cultures and the physical and natural worlds through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts.
- B. Intellectual and practical skills, including
- inquiry and analysis
 - critical and creative thinking
 - written and oral communication
 - quantitative literacy
 - information literacy
 - teamwork and problem solving
 -
- C. Personal and social responsibility, including
- civic knowledge and engagement (local and global)
 - intercultural knowledge and competence
 - ethical reasoning and action
 - foundations and skills for lifelong learning
 -
- D. Integrative and applied learning, including synthesis and advanced accomplishment across general and specialized skills.

STUDENT LEARNING OUTCOMES FOR NATURAL SCIENCES:

In BIO 139, students will learn to:

1. **Demonstrate an understanding of the methods of science inquiry** (Gen Ed Comp A and B):

Course objective: Use anatomical and physiological terminology to comprehend and communicate information on body structure and function.

2. **Explain basic concepts and principles in one or more of the sciences** (Gen Ed Comp A and B):

Course Objective: Explain the interrelationships between organ systems and physiological processes.

Course Objective: Recognize the complimentary relationship of structure and function and describe the basic metabolic processes of the organ systems.

3. **Apply scientific principles to interpret and make predictions in one or more of the sciences** (Gen Ed Comp A, B and D):

Course Objective: Explain basic principles of inorganic and organic chemistry as they apply to physiological processes.

Course Objective: Explain the major homeostatic mechanisms utilized in each body system in response to internal and external environmental changes.

4. **Explain how scientific principles relate to issues of personal and/or public importance** (Gen Ed Comp A, B, C and D):

Course Objective: Explain the physiological and anatomical mechanisms of common dysfunction.

Required text: Human Anatomy & Physiology, ninth edition

Author: Marieb

CD Rom materials must be purchased with the textbook

Other Educational Materials:

Required: #2 lead pencils for exams (note that pencils WILL NOT be provided)

Optional: Small cassette tape recorder to record lectures

COUSE REQUIREMENTS, EVALUATION PROCEDURES, POLICIES:

Your grade will be based on the following: 4 Exams = 100 pts./exam

1 Comprehensive Final = 200 pts.

Quizzes/Worksheets/Assignments = 50-70 points (drop lowest 2 quizzes)

EXAMS:

1. There will be 4 exams given during the semester. Each exam is worth 100 points. Exams will be based upon material presented in class and your reading of the text. Exam questions may be multiple choice, short answer, essay, matching, or diagram identification.

2. Exams will not be returned but will be available in my office for review or during office hours before and after class if arrangements are made. Students are strongly encouraged to meet with me after each exam to review material that was missed on that exam.

3. In addition to the 4 exams given during the semester, there will be a comprehensive Final exam worth 200 points.

QUIZZES:

Quizzes will be announced in the lecture before they are given.

Quizzes will be given promptly at the beginning of class. If a student is late and the quiz has been distributed, the student will not be permitted to take the quiz. There will be NO Make-ups for quizzes except for an excused absence (see below). If an excused absence cannot be presented, then a zero will be given for that quiz.

WORKSHEETS/ASSIGNMENTS /CRITICAL THINKING EXERCISES will be completed either in class or assigned as homework. These will include material presented in lecture, material from your textbook and CD-ROM exercises. Since many of these assignments will include group activities or in-class participation, they are not feasible to makeup.

The lecture portion of the course is worth 75% of your final grade and the laboratory portion accounts for the remaining 25%.

A student must pass both the lecture and lab sections of the course to receive credit for BIO 139.

The Final grade will be assigned according to the following scale.

<u>Grade</u>	<u>%</u>
A	90- 100
B	80- 89
C	70- 79
D	60- 69
E	< 60

CLASS ATTENDANCE

Class attendance is required. This course will be very difficult to pass if you fail to come to class. If a student has excused absences in excess of one-fifth of the class contact hours for that course (6 classes), the instructor will either require the student withdraw or take an "E" in the course".

Excused Absences

- Illness of the student or serious illness or death of a member of the student's immediate family
- College sponsored or approved trips

- Major religious holidays - instructor must be notified no later than the last day of the drop period.

***** All excused absences require written documentation.**

CLASSROOM PARTICIPATION IS EXPECTED.

MAKEUP EXAMS

Makeup exams will be given only for excused absences. Makeup exams will only be given on scheduled dates. Student needs to consult with instructor (Dr. Robin Cooper, RLCOOP1@uky.edu)

If the instructor is not notified within 24 hours of the regularly scheduled exam that he/she missed miss, a zero will be given for that exam regardless of the excuse.

WITHDRAWALS:

The last day to withdraw without instructor permission is mid-term.

Option 1: A "W" grade will be given to any student who officially withdraws from the class by Monday, (Mid-Term date). No instructor permission is required. No withdrawals after that date will be granted.

If you are going to allow unconditional withdrawals until the last day of regular class, please state so on your syllabus.

Option 2: A "W" grade will be given to any student who officially withdraws from the class by the last day the class meets BEFORE final exam week. No withdrawals are allowed the week of Final Exams.

Instructor's permission must be obtained to withdraw after (Mid-term Date). No withdrawals are allowed the week of Final Exams.

REASONABLE ACCOMMODATION:

Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact a staff member in BCTC's Disability Support Services (DSS) office. Please do not request accommodations directly from the professor or instructor.

DSS Contact Info: <http://www.bluegrass.kctcs.edu/dss.aspx>

DSS Toll-Free: 1-866-774-4872 ext 6728

DSS Office Locations: Cooper Campus OB 320-C 246-6728 Leestown Campus C 116 246-6735

SAP STATEMENT

If you receive grants and/or loans to pay for this class, you should be aware that withdrawing from or failing this class may affect your future financial aid eligibility. You should review the Financial Aid Satisfactory Academic Progress (SAP) policy for additional information. Contact the Financial Aid Office for a copy of the SAP policy. You are expected to attend class and have the required textbook(s) even though you have not received your financial aid or you may have an appeal in process.

WEATHER or EMERGENCY CLOSING

Inclement weather may cause BCTC classes to be cancelled or delayed. If classes are delayed, you are to report to school at the announced time and attend the class where you would NORMALLY be at that time. Information about cancelled or delayed classes will be posted on the BCTC website. Many local radio and television stations will also carry announcements. Instructors may send email messages and/or Blackboard announcements regarding assignments for a class that was cancelled. Students are responsible for checking these sources for such messages.

STUDENT CONDUCT:

All rules and regulations set forth in the current edition of the KCTCS Code of Student Conduct will be followed in this course. This document is available on the web at http://www.kctcs.edu/Students/Admissions/Academic_Policies/Code_of_Student_Conduct.aspx

ADDITIONAL PROCEDURES/POLICIES:

It is strongly recommended that students receiving less than a "C" in BIO 137 should not enroll in BIO 139.

WEATHER POLICY:

Inclement weather or other emergencies may cause BCTC classes to be cancelled or delayed. If classes are **delayed**, you are to report to school at the announced time and attend the class where you would **NORMALLY** be at that time. Information about cancelled or delayed classes will be posted on the BCTC website. Many local radio and television stations will also carry announcements. Instructors may send email messages and/or Blackboard announcements regarding assignments for a class that was cancelled. Students are responsible for checking these sources for such messages.

**If this class is delayed or cancelled, I will post an announcement on Blackboard and send out an email.

CHEATING :

Cheating will absolutely NOT be tolerated! If you are caught cheating you will be given an "E" for the course. If any cell phones and any electronic devices are in sight during the exam, the student will assume to be cheating and a 0 will be given for that quiz/exam.

LATENESS:

You need to be on time for class. Class begins promptly at 9:30. Students who are late to class more than twice will be marked absent for each time they are late.

USE OF CELL PHONES:

Use of cell phones are **prohibited during** class. Cell phones must be kept in purse or backpack during class. Use of a cell phone during class is counted as an absence.

LEAVING DURING THE MIDDLE OF CLASS:

Please do not get up in the middle of class and then return later to the classroom unless it is an emergency. Take care of all your hygiene needs before class.

If you need to leave class early, please inform me at the beginning of class

STUDENT EMAIL ACCOUNT

Students are required to have an active KCTCS email account. Information about class will be communicated through a student's email.

If you receive grants and/or loans to pay for this class, you should be aware that withdrawing from or failing this class may affect your future financial aid eligibility. You should review the Financial Aid Satisfactory Academic Progress (SAP) policy for additional information. Contact the Financial Aid Office for a copy of the SAP policy. You are expected to attend class and have the required textbook(s) even though you have not received your financial aid or you may have an appeal in process.

*** The course content may be modified as required at my discretion (eg. change of pace, addition/omission of chapters, and change in number of exams).

Fall 2015 Important Dates & Deadlines for 16-Week Session

August 11 – 13 Add/Drop and Registration Continues for new and continuing students

August 14 Last day to pay tuition for students registered July 1 through August 15

August 17 Classwork Begins

August 17 – 21 Registration and Add/Drop Continues. Tuition is due at the time of Registration

August 19 Last day to enter an organized class

August 21 Last day to reduce course load or cancel registration for a full refund of fees; Last day to drop without a grade.

September 7 Labor Day (Academic Holiday)

September 11 Last day to file an application for December graduation

October 12 Last day for students, at their discretion, to withdraw from a 16-week class and receive a grade of "W"

October 15 – 16 Fall Break (Academic Holiday)

October 1 Registration opens for Spring semester for currently enrolled students

November 1 Registration opens for Spring semester for new students

November 25 – 29 Thanksgiving Holiday (Academic Holiday)

December 4 Last day for a student, at the instructor's discretion, to officially withdraw from a class and receive a grade of "W"

December 6 End of class work

December 7 – 13 Final Examinations

Tentative Course Outline

<u>Date</u>	<u>Topic</u>	<u>Chapter</u>
Aug 18 (Tu), 20 (Th)	Cardiovascular System: Blood	17
25 (Tu), 27 (Th)	Cardiovascular System: Blood/heart	17+ 18
Sept 1 (Tu), 3 (Th)	Cardiovascular System: Heart	18
8 (Tu), 10 (Th)	Cardiovascular System: Physiology (Th) EXAM I – Chpts. 17-19 ;	18 +19
15 (Tu), 17 (Th)	Respiratory System	22
22 (Tu), 24 (Th)	Respiratory System	22
Sept/ Oct 29 (Tu), Oct 1 (Th)	Lymphatic System	20
6 (Tu), 8 (Th)	Immune System	21
13 (T), 15 (Th)	(Tu) EXAM II (Chapters 20, 21, 22) (Th) Fall Break	25
20 (T), 22 (Th)	Urinary System (22 nd might be pre-recorded, no class) Fluid and Electrolyte	25 + 26
27(T), 29 (Th)	Fluid and Electrolyte	26
Nov 3 (T), 5 (Th)	Endocrine (Th) Exam III (Chapters 25, 26, 16 start)	16
10 (T), 12 (Th)	Endocrine	27
17 (T), 19 (Th)	Male Reproduction	
24 (T), 26 (Th)	Female Reproduction, (Th-Thanksgiving)	16
Dec 1 (Tu), 3 (Th)	Female Reproduction, (Th) EXAM IV (Chapter 27, 16)	16

FINAL EXAMS

http://bluegrass.kctcs.edu/Registrar/Final_Exam_Schedule.aspx

SECTION J0E1 – December 10, 5:30 PM