

BLUEGRASS COMMUNITY AND TECHNICAL COLLEGE
NATURAL SCIENCES
Summer II 2016

BIO 139
HUMAN ANATOMY AND PHYSIOLOGY II
LABORATORY SYLLABUS

0 CREDIT HOURS
2 CONTACT HOURS

PREREQUISITE: BIO 137
Location: 322 OSB

COURSE DESCRIPTION:

The laboratory portion of BIO 139 is designed as a “hands on” experience that corresponds to the lecture portion of the course. Anatomical models, computer programs, charts, slides of microscopic tissue sections, physiological experiments and preserved specimens for dissection will be used to reemphasize principles and structures discussed in lecture.

Assistant Dean: Angie King
Summer II Angie.king@kctcs.edu

Course Coordinator Scott Davis
Scott.davis@kctcs.edu

Instructor for all lab sections Summer II Michael Grossheim

Office Manager: Phyllis Mulcahy Rm. 234 OSB Phone: 246-6445

Website for BIO 139 Virtual Lab and Lab Manual:

http://www.bluegrass.kctcs.edu/Natural_Sciences/Biology/BIO_139_Virtual_Lab

(http://www.bluegrass.kctcs.edu/Natural_Sciences/Biology/BIO_139_Virtual_Lab)

Bluegrass Community and Technical College
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General Education Learning Outcomes: Please refer to your lecture syllabus.

Instructional Materials:

Required Textbook (Lecture and Lab): Human Anatomy and Physiology
by Marieb and Hoehn (10th edition)
(packaged with Interactive Physiology CD)

Laboratory Manual is available on the Virtual Lab website (listed on front page).

LABORATORY POLICIES FOR ALL BIO 139 LABS:

Attendance: Students are required to attend all laboratory sessions. We will follow the 20% rule. **If you miss more than 20% of the labs (3 labs- excused or unexcused), you will be asked to drop the course.**

Grading:

Exams	3 (2 worth 150 points each and 1 worth 100 points)	400 points
Quizzes	8 (7 worth 10 points each and 1 worth 20 points) Drop lowest 10 pt quiz.	80 points
Your percentage will be given to your lecture instructor.	Total	480 points

Quiz Policy: A quiz over the day's lab will be given at the beginning (first 10 minutes) of each lab (except exam days). If you miss the lab (or come in late), there are no make ups for the quiz unless you attend another lab covering the same material. The quizzes will be fill-in-the-blank (no multiple choice) in order to prepare you for the lab exams. There will be no take-home quizzes. The lowest 10 point quiz will be dropped.

Late Work Policy: There are no take home quizzes or homework assignments; therefore there is no late work policy.

Extra Credit: There is no extra credit in BIO 139 Lecture or Lab.

Withdrawal Policy: Anatomy and Physiology II Course Policy: The last day for students, at their discretion, to withdraw and receive a "W" grade is Midterm (July 18th). The last day for students, at the instructor's discretion, to officially withdraw and receive a grade of "W" is **the lab after the second lab exam (July 21)** Students must obtain the lecture instructor's signature on a drop slip and return it to the registrar's office.

Removal of laboratory equipment, models, supplies, specimens from the laboratory is stealing and will be grounds for dismissal from the course.

Cheating: Cheating will not be tolerated. This includes plagiarism as well as cheating on an exam. Plagiarism involves copying homework exercises, experimental worksheets, and case study reports from fellow students.

Safety: All OSHA requirements and safety precautions must be followed in all laboratory sessions especially in those labs involving body fluids.

No eating, drinking, chewing tobacco or smoking in the lab at any time. Failure to abide by this policy is grounds for dismissal from the course.

Cell Phones: Cell phones must be turned off and stored out of sight during class. They cannot be used as calculators on lab exams. Calculators are provided in lab. If a cell phone is out during the lab exam, it will constitute cheating and the student will receive a "0" on the exam.

Open Lab – open lab hours will be posted on the laboratory door (OSB 322). Open lab will close the day before a lab test. During a lab exam, tutoring will be available in OSB 321 during regularly schedule times.

Children: Children are not permitted in the laboratory during scheduled labs or open lab sessions for safety-related reasons.

Make-up Policies:

All excused absences (see below) must have written documentation.

1. **Missed lab** - If a student misses a lab there will be no make-ups. It is the student's responsibility to learn the missed information during open lab or attend the same lab with another section.
2. **Missed Quizzes** – All quizzes are in-class (no take-home quizzes). If a quiz is missed, the student will receive a "zero" unless they attend that same lab with another section. If the student is habitually late to lab, they cannot make up the quiz, which is given at the beginning of lab.
3. **Missed lab practical exam** - Students must complete lab exams during their **scheduled lab period**. If a student misses a lab practical exam for a legitimate reason (see below), a student may receive permission to attend another lab section, if written documentation of the excused absence is provided. A student should call the instructor immediately to schedule the exam with another section. After the week of the lab practical, a make-up exam is not feasible.

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

The instructor must be notified in advance of trips and holidays not observed by BCTC.

Reasonable Accommodations: 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, 103 Oswald Building. The DSS phone number is 246-6530. Accommodations cannot be requested directly from the professor. However, please inform your instructor of that fact at the beginning of the course or as soon as the special need is identified.

Code of Student Conduct: All rules and regulations set forth in the current edition of the Code of Student Conduct will be followed in this course. It is the student's responsibility to access this on the Web at: <http://www.kctcs.edu/student/code.htm>

Weather

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.

**LABORATORY SCHEDULE FOR BIO 139
Summer II 2016**

Lab #	DATE M/W	DATE T/R	TOPIC
Lab 1	June 27	28	Blood and Blood Vessels
Lab 2	29	30	Heart Anatomy and ECG, Human Cardiovascular lab (pg. 37-40)
No Labs	July 4	5	Holiday
Lab 3	6	7	The Heart as a Pump Exercise
Lab 4	11	12	Human Cardiovascular Lab/Review
Lab 6 EXAM I	July 13	14	<u>Lab Exam I</u> (covers Labs 1 - 4)
Lab 5 & 7	18	19	(5) Anatomy of Respiratory, Digestive, and Renal Systems and (7) Respiratory Physiology Lab
Lab 8 & 9	20	21	(8) Renal Physiology Lab & (9) Exam Review
Lab 10 EXAM II	July 25	26	<u>Lab Exam 2</u> (covers Labs 5,7-9)
Lab 11	27	28	Anatomy/Slides of Endocrine and Reproductive Systems
Lab 12	Aug 1	2	Endocrine Chart and Case Studies
Lab 13 EXAM III	Aug 3 all labs		<u>Lab Exam 3</u> (covers Labs 11 & 12)

BIO 139 Assignment Sheet Summer II 2016				
Lab	Dates	Quizzes	Points	My Grades
		Assignments		
1	June 27, 28	Quiz 1 – blood cells (pg 2) and blood typing (pg 3); charts & definitions (pg 3)	10	
		Label arteries and veins on human model (pg 9 & 11) and do case study (pg 12)		
2	29 & 30	Quiz 2 – Label interior and exterior of the heart (pg 14 & 15) and label ECG & describe waves (pg 21)	10	
3	6 & 7	Quiz 3 –Prelab for Heart as a Pump (pg 25-27) and IP exercise (pg. 34)	10	
		End of lab worksheets on Heart (pg 29-33) &		
4	11 & 12	Quiz 4 – Blood pressure terms (pg 36) and Cardiovascular Interactive Physiology (pg 46-47)	10	
		End of lab worksheets on cardiovascular (pg 28-33) Do cardiovascular case studies (pg 48)		
6	13 & 14	LAB EXAM 1 COVERS LABS 1-4, IP EXERCISES, AND CARDIOVASCULAR CASE STUDIES	150	
5 & 7	18 & 19	Quiz 5-- Respiratory Interactive Physiology CD (pg 69-73).	10	
		End of lab worksheets on respiratory experiments (pg 76-81)). Label diagrams of respiratory, renal, and digestive systems (pg 55-65)		
8 & 9	20 & 21	Quiz 6 – Urinary terms (pg 83) and Interactive Physiology CD (pg 94-95 & 96-97)	10	
		End of lab worksheets on urinary exercises (pg 86-87) Go over IP pgs. 88-90 (will be on test).		
10	25 & 26	LAB EXAM 2 COVERS LABS 5,7-9, AND IP EXERCISES	150	
11	27 & 28	Quiz 7 – Label diagram of male and female pelvis (pg 104-105)	10	
12	Aug 1 & 2	Quiz 8– Endocrine chart (pg 112-114) Do Endocrine Case Studies (pg 115-118)	20	
13	August 3 All classes	LAB EXAM 3 COVERS LABS 11 & 12	100	