

BLUEGRASS COMMUNITY AND TECHNICAL COLLEGE
NATURAL SCIENCES
Summer I 2015

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.

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Instructors for all lab sections Summer I Michael Grossheim

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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
Equal Opportunity Institution

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 (8th 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 (June 8^h). The last day for students, at the instructor's discretion, to officially withdraw and receive a grade of "W" is **the lab before the second lab exam (June 10,11)**. 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.

READ YOUR LAB EXERCISES BEFORE YOU COME TO LAB!!

**LABORATORY SCHEDULE FOR BIO 139
Summer I 2015**

Lab #	DATE MW	DATE TR	TOPIC
Lab 1	May 18	May 19	Blood and Blood Vessels
Lab 2	May 20	May 21	Heart Anatomy and ECG, Human Cardiovascular lab pgs. 37-40.
No Labs	May 25	May 26	Memorial Day
Lab3	May 27	May 28	The Heart as a Pump Exercise
Lab 4	June 1	June 2	Human Cardiovascular Lab/Review
Exam I	June 3	June 4	<u>Lab Exam I</u> (covers Labs 1 - 4)
Lab 5 & 7	June 8	June 9	(5) Anatomy of Respiratory, Digestive, and Renal Systems and (7) Respiratory Physiology Lab
Lab 8 & 9	June 10	June 11	(8) Renal Physiology Lab & (9) Exam Review
EXAM II	June 15	June 16	<u>Lab Exam 2</u> (covers Labs 5,7-9)
Lab 11	June 17	June 18	Anatomy/Slides of Endocrine and Reproductive Systems
Lab 12	June 22	June 23	Endocrine Chart and Case Studies
Lab 13 EXAM III	June 25		<u>Lab Exam 3</u> (covers Labs 11 & 12) All sections on Thursday Friday is Lecture Final

BIO 139 Assignment Sheet Summer I 2015				
Lab	Dates	Quizzes	Points	My Grades
		Assignments		
1	May 18 & 19	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	20 & 21	Quiz 2 – Label interior and exterior of the heart (pg 14 & 15) and label ECG & describe waves (pg 21) and Blood Pressure terms (pg 36).	10	
3	27 & 28	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	June 1 & 2	Quiz 4 –Cardiovascular Interactive Physiology (pg 46-47)	10	
		End of lab worksheets on cardiovascular (pg 28-33) Do cardiovascular case studies (pg 48)		
6	June 3 and 4	LAB EXAM 1 COVERS LABS 1-4, IP EXERCISES, AND CARDIOVASCULAR CASE STUDIES	150	
5 & 7	8 & 9	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	10 & 11	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	June 15 & 16	LAB EXAM 2 COVERS LABS 5,7-9, AND IP EXERCISES	150	
11	17 & 18	Quiz 7 – Label diagram of male and female pelvis (pg 104-105)	10	
12	22 & 23	Quiz 8– Endocrine chart (pg 112-114) Do Endocrine Case Studies (pg 115-118)	20	
13	June 25 All classes	LAB EXAM 3 COVERS LABS 11 & 12	100	

Lowest 10 point quiz will be dropped. Total points = 480.