

JOHNSON COUNTY COMMUNITY COLLEGE
Science Division
Course Syllabus
Anatomy and Physiology Dissection
BIOL 145
Fall 2012

INSTRUCTOR INFORMATION:

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COURSE INFORMATION:

Credit Hours: 1 Contact Hours: 2 Lecture Hours: 0 Lab Hours: 2

Course Type: Transfer

Prerequisites: Completed BIOL 144 or BIOL 140 and approval of the Dean of Science.

Required Textbook: *Pictorial Anatomy of the Cat*, revised edition, Stephen G. Gilbert, University of Washington Press, 1975. www.washington.edu/uwpress

Optional Textbook: *Mammalian Anatomy of the Cat*, 2nd edition, Aurora M. Sebastiani and Dale W. Fishbeck, Morton Publishing Company, 2005. www.kno.com

Supplies: Laboratory coat

Fees: None

Caveats:

Because this laboratory course involves potentially hazardous chemicals and equipment (including sharp scalpels), much care should be taken during dissection including the wearing of protective clothing and devices. Appropriate behavior is essential to ensure safety of all concerned in the laboratory.

Description:

The study of the gross aspects of organ systems of the vertebrate body: concentration is on a detailed analysis of the structures of each organ system. The student will dissect preserved specimens.

Objectives:

Upon successful completion of this course, the student should be able to:

1. Compare the external anatomy of the cat including the various surface areas and appendages with the human body.
2. Compare each of the organ systems of the cat reviewed to the human body.
3. Demonstrate dissection techniques and procedures required for gross study of the cat.
4. Locate by dissection and describe the principal organs and organ systems of the cat.
5. Dissect and describe selected organs of the cow, including the kidney, heart, brain and eye.

Course Outline:

See www.jccc.edu/home/course_outline/current/biol145

METHODS OF EVALUATION AND GRADING SCALE:

The student is required to participate in dissections. The student's knowledge of each unit of study will be tested. Test coverage will draw from the laboratory dissections. Questions over laboratory material are strictly identification.

It is anticipated that four 100-point exams will be given. The number may be changed due to scheduling problems that arise during the semester. A total of 25 points will be possible for dissecting technique. A total of 425 points is offered (see course schedule). Because of the rapid pace of the course, the heavy utilization of the labs and lab material, and the time involved in test setup, there are **no makeup exams**. (For exceptions, see "Attendance and Test Makeup Policies" on page 3.)

Your final grade will be the ratio of your earned points to the total possible points. The ratio will be expressed as a percentage and the percentage converted to a letter grade, which will appear on your transcript. The letter grade representative percent is shown below.

- A = 90 to 100%
- B = 80 to 89%
- C = 70 to 79%
- D = 60 to 69%
- F = below 59%

WITHDRAWAL DATES:

See www.jccc.edu/credit-enrollment/dates-drop-audit.html.

ACADEMIC DISHONESTY:

No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials. This includes students who aid and abet, as well as those who attempt such behavior.

All JCCC students are expected to abide by the Student Code of Conduct (as described in the *Student Handbook*) and the Science Division Academic Dishonesty Policy. Academic dishonesty will result in no credit for the test involved and administration of all future tests in the Testing Center on a date determined by the instructor. Dishonesty involving any other assignment will result in no credit for that assignment. An incidence of academic dishonesty may result in grade penalties. Further action may be taken based on severity of incident.

ATTENDANCE AND TEST MAKEUP POLICIES:

Students under obligation to participate in jury duty or a recognized religious observance will be afforded the opportunity to take a scheduled makeup exam for any that are missed. Written notice of such obligation must be made to the instructor one week in advance of the scheduled event. This exclusion does not apply to the final exam.

Students who are absent because of a college-related group activity are considered to have excused absences. You must have proof of your activity.

The student is expected to attend every class period during the course of the semester. Missing classes tends to disrupt student study habits and causes you to miss valuable dissection time that is used to prepare preserved specimens for testing. **Missing more than one class period will result in forfeiture of the 25 points possible for dissection technique.**

ACCESS SERVICES:

JCCC provides a range of services to allow persons with disabilities to participate in educational programs and activities. If you desire support services, contact the office of Access Services for Students with Disabilities, (913) 469-8500, ext. 3521 or TDD (913) 469-3885. The Access Services office is located in the Success Center on the second floor of the Student Center.

TOBACCO-FREE POLICY:

Johnson County Community College is a tobacco-free campus. Smoking or the use of any tobacco products is permitted only inside an individual's car and in two smoking huts behind the ITC building. Violations of this policy will result in fines issued by the JCCC police department.

MISCELLANEOUS:

Because of circumstances that develop during the semester, changes in the scheduling, grading or other aspects addressed in this syllabus may be necessary. In such instances, advance notice of such changes will be given in class. The instructor encourages students to consult with him regarding this class.

COURSE SCHEDULE:

<u>UNIT</u>	<u>TOPIC</u>	<u>WEEK</u>
I	The Muscular System	1-6 Test 1, 100 pts
II	The Digestive, Respiratory and Urogenital System	7-9 Test 2, 100 pts
III	The Circulatory System	10-13 Test 3, 100 pts
IV	The Nervous System The Eye	15-16 Test 4, 100 pts

Points in the course:

Four 100-point exams	=	400
25 points for technique	=	<u>25</u>
		425 TOTAL POINTS

LABORATORY SAFETY RULES:

1. You must purchase a lab coat for the lab dissections. All other equipment, such as scalpels, scissors, probes and gloves, will be provided.
2. Coats and book bags are to be stored on the side cabinets, NOT on the lab tables or floor. The only items you should have on your table each week are a writing tool and lab manual.
3. No eating, drinking or smoking in lab.
4. Know the locations of safety equipment in the lab.
 - Eyewash
 - Exit route
 - First aid kit
 - Glass and blade disposal containers
 - Emergency phone (dial 4111)
 - Emergency Response Plan
5. Report any broken glass to the instructor. DO NOT attempt to clean it up.
6. Report any detached (loose) scalpel blades to the instructor. DO NOT attempt to pick them up.
7. No students are allowed in the lab without an instructor.
8. DO NOT bring friends or children to lab.
9. Make sure your workstation is clean after each lab.
10. Always inform your instructor if you are allergic to special chemicals, are pregnant or have any other health concerns.

JCCC EMERGENCY RESPONSE PLAN

Report all campus emergencies to the JCCC Police Department.

From a campus phone, dial 4111, or call 913-469-8500, ext. 4111, and state your emergency.

In the parking lots and garages, use the emergency code blue phones.

Inside buildings, campus operator hallway phones are available for direct contact with the JCCC Police Department.

Evacuation Information

Evacuate the building using the nearest exit or alternate if nearest exit is blocked.

Do not use elevators!

Take all personal belongings (keys, purses, wallets, etc.).

Secure any hazardous materials or equipment before leaving.

Follow directions given by Building Emergency Team members.

Report immediately to the Building Emergency Assembly Area outside the building.

If you need assistance, establish procedures **in advance** with Access Services for Students with Disabilities, your instructor or classmates.

Fire-Smoke-Explosion

- Activate the nearest fire pull alarm and immediately contact the JCCC Police Department at 4111.
- Evacuate the building.
- Assemble in designated area for accountability.
- Return to the building only when you are authorized to do so by the JCCC Police Department, Campus Services or the Overland Park Fire Department.

Campus Violence

- Do not attempt to intercede or restrain an aggressive individual.
- Contact the JCCC Police Department immediately for assistance.
- Encourage others not to become involved; if possible, leave the area.
- Always report suspicious or threatening behavior.

Weather Warnings

- Listen for internal and external warning sirens and announcements.
- Stay away from windows and exterior doors.
- Immediately move to a designated storm security area (see the building diagram below).
- Remain in the storm security area until an all-clear announcement is made.

Illness-Injury-Accidents

- If the injury or illness is serious or life-threatening, contact the JCCC Police Department immediately. They will respond and request assistance from MedAct.
- If the injury or illness is not serious or life-threatening, ask the individual what assistance is needed. Contact the JCCC Police Department for assistance.

CLB, Fourth Floor



 = Storm Security Areas

 = Building Evacuation Routes

