CASPER COLLEGE COURSE SYLLABUS

Course Number and Title: ZOO 2140, Cadaver Anatomy

Semester/Year: Spring 2016
Lecture Hours: 3 Lab Hours: 2 Credit Hours: 4
Class Time: Section 01 12:00 – 12:50 pm Days: MWF
Labs: Lab A 1:00 – 2:40 pm W

Room: Lecture (MWF) – LS 118 Lab (W) – LS 104 & LS 202A

Instructor’s Names: Brandi R.K. Atnip, Ph.D. & Dr. Scott Johnson, OTD, OTR/L, ATP, CEA
Instructor's Office #: LS 110 Phone: 268-2541 Email: batnip@caspercollege.edu
LS 208 268-2001 sjohnson@caspercollege.edu

Office Hours: See Instructors’ Door Schedules

Course Description:
This course involves dissection of human anatomical donors for the purpose of studying human anatomy at the macroscopic level. The lecture portion of the course builds upon the principles of anatomy acquired in previous coursework. In the laboratory portion of the course, students will learn basic dissection techniques and will apply them to the dissection of a human anatomical donor. The course is regionally organized so that the primary focus is on the thorax, abdominal and cranial regions. Extremity, back and pelvic prosections will be studied.

Statement of Prerequisites: ZOO 2040/2041 & ZOO 2110 or permission of the instructor

Goal: Cadaver Anatomy aims to provide students with an enhanced knowledge of human anatomical organization and the interrelationships of tissues and organs within the human body. This knowledge is useful in a variety of health related disciplines.

Outcomes:
After the successful completion of this course, the students will be able to:

1. Use the scientific method
2. Solve problems using critical thinking and creativity
3. Use appropriate technology and information to conduct research

Course Objectives**:
1) Identify major osseous structures of the human body
2) Name, describe and identify the primary muscle groups of the human body
3) Name, describe and identify the primary nerves and vessels of the human body
4) Name, describe and identify the pertinent lymphatic structures of the human body
5) Name, describe and identify the major organs of the trunk and cranial cavity
6) Relate clinical pathologies to anatomical structure
7) Understand and apply basic dissection procedures as they relate to the human body
8) Apply the concept of teamwork as it applies to working with patients

** The degree to which the student achieves these outcomes is dependent on the effort put forth by the student and is reflected in the grade earned in this class.
Methodology:
This is a lecture/lab course. You are required to attend both components in order to receive a passing grade in the course. Your feedback is valuable as the instructor uses course evaluations in determining course methodology.

Required Text, Readings, and Materials:
Lecture text: Essential Clinical Anatomy, 5th ed., Author: Keith L. Moore and Anne M.R. Agur
Laboratory text: Essential Anatomy Dissector: Following Grant's Method, 2nd ed., Author: John T. Hansen

Class Policies:
Last date to change to Audit Status or to Withdraw with a W Grade: Thursday, April 14, 2016. With instructor’s permission, students may be allowed to withdraw or change to an audit status any time prior to the final exam date.

Cell phones are to be turned to a “vibrate” or “silent” mode at all times. There will be NO TEXTING for any purpose. If you must take a call or read/return a text, please exit the classroom and conduct your call in the front lobby of the Life Science Building. Failure to adhere to this policy WILL RESULT IN YOUR DISMISSAL FROM THE CLASS.

General Information:
As a college student, it is your responsibility to determine whether or not your attendance in this class is required. As an instructor, it is my responsibility to ensure that the optimal learning environment is provided to all students. For optimal success I would recommend that you:

• Attend all class meeting and be on time. If you are late, please discreetly enter the classroom through the rear doors.
• Listen to questions/statements made by your fellow classmates; these may enhance your understanding of the material.
• Expect to receive pertinent course materials/handouts during the designated course times. If you are unable to obtain these materials at these times, it becomes your responsibility to obtain them from a fellow classmate, or from the instructor, during her office hours. Don’t expect late, partially completed or illegible work to be graded.
• Always exercise your right to ask questions; this applies to exams as well. There is absolutely no such thing as a “stupid question” and your instructor is not beyond being able to learn from you. Be active in your learning.

Comments:
We look forward to the exciting journey ahead of us. Despite the fact that this course can be intense at times, try to keep in the back of your mind that you are privileged to have the opportunity to learn more about the human body because of someone else’s unselfish decision to donate theirs. When the going gets tough, remember that you are studying the most complex machine ever built. Please do not expect that you will master every aspect of human anatomy or human dissection during our semester together. Rather, in keeping up with the required material, attempt to focus on areas that will pertain to your chosen field. Please do not hesitate to address any problems or concerns that might arise during the semester with your instructors. It is far better to speak up and ask questions than to quietly get lost in the material. Finally, have fun in this course. Take in as much information as you can… who knows when you'll see this again - perhaps the next body you work on will be breathing and circulating blood! Good Luck.
Evaluation Criteria:
Your progress in this course will be measured by your performance on:

- **4 lecture examinations** (these may consist of multiple choice, true/false, matching, fill-in-the-blank, and short answer questions)
- **1 Final Exam** (this will be 50% cumulative and 50% material from the last “unit”)
- **4 laboratory exams** (these will be ‘practical’ in nature and will involve identification of specified structures)

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Examination Policy:
There will be **NO MAKE-UP EXAMS** in this course. Exam dates listed on this syllabus are tentative and subject to change. The instructor will notify you at least 2 lecture sessions ahead of time if a change is to be made to the exam schedule. It is your responsibility to check your personal schedule with ALL exam dates and to notify the instructor in advance of the scheduled exam time if there is a conflict. See the Casper College Student Handbook for information on how to handle absences due to illness or death in family. If a student is more than 30 minutes late for an exam they will be considered absent for that date.

All exams will be returned at the next lecture session. Exam keys will be available upon request. In the event that you find an incorrectly scored exam, you must make a written request to change the grade on the exam and hand it back in to the instructor **within 1 week of receiving the graded exam**.

Evaluation Criteria:
Your grade in the course will be assigned based on the percentage of the total points you earn.

<table>
<thead>
<tr>
<th>Exams</th>
<th>Points per Exam</th>
<th>Total Points</th>
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</thead>
<tbody>
<tr>
<td>4 Lecture Exams</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>1 Final Exam</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>4 Lab Exams</td>
<td>100</td>
<td>400</td>
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**TOTAL POINTS = 900**

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<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
<td>810+</td>
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<tr>
<td>B</td>
<td>720-809</td>
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<tr>
<td>C</td>
<td>630-719</td>
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<tr>
<td>D</td>
<td>540-629</td>
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<td>F</td>
<td>539+</td>
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**This may change if additional assignments and/or quizzes are incorporated**

Student Rights and Responsibilities:
Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.
Chain of Command:
If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the Department Head (Dr. Scott Johnson), the Academic Dean (Dr. Grant Wilson), and lastly the Vice President for Academic Affairs (Dr. Tim Wright).

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

<table>
<thead>
<tr>
<th>Month</th>
<th>DATE</th>
<th>Laboratory Schedule by week</th>
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</thead>
<tbody>
<tr>
<td>January</td>
<td>20</td>
<td>No Lab - Read Chapter 1 of Lecture Text and Pg. xiii-xv in your Lab Text</td>
</tr>
<tr>
<td>January</td>
<td>27</td>
<td>Thoracic Wall, Pleural Cavities and Lungs; Pg. 1-11</td>
</tr>
<tr>
<td>February</td>
<td>3</td>
<td>Mediastinum and Heart; Pg. 12-22</td>
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<tr>
<td>February</td>
<td>10</td>
<td>Lab Exam 1</td>
</tr>
<tr>
<td>February</td>
<td>17</td>
<td>Abdominal Wall, Peritoneal Cavity and Contents (Include scrotum dissection); Pg. 23-48</td>
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<tr>
<td>February</td>
<td>24</td>
<td>Posterior Abdominal Wall and Diaphragm; pg. 49-57</td>
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<tr>
<td>March</td>
<td>2</td>
<td>OPEN LAB</td>
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<tr>
<td>March</td>
<td>9</td>
<td>Lab Exam 2</td>
</tr>
<tr>
<td>March</td>
<td>16</td>
<td>No Lab – Spring Break</td>
</tr>
<tr>
<td>March</td>
<td>23</td>
<td>Vertebral Column, Spinal Meninges &amp; Back Musculature; pg. 59-70 Head: Cranium, Scalp, Cranial Meninges, Removal of Brain; pg. 168-175</td>
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<tr>
<td>March</td>
<td>30</td>
<td>Brain; pg. 163-167</td>
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<tr>
<td>April</td>
<td>6</td>
<td>OPEN LAB</td>
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<tr>
<td>April</td>
<td>13</td>
<td>Lab Exam 3</td>
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<tr>
<td>April</td>
<td>20</td>
<td>Neck; pg. 151-163 / Face; pg. 175-211</td>
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<tr>
<td>April</td>
<td>27</td>
<td>Upper Extremity; Chapter 5 / Lower Extremity; Chapter 6</td>
</tr>
<tr>
<td>May</td>
<td>4</td>
<td>Lab Exam 4</td>
</tr>
<tr>
<td>WEEK OF:</td>
<td>Lecture Schedule by Week</td>
<td>Reading</td>
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| January 18 | No School - King Equality Day  
Syllabus Review & Course Introduction  
Terminology and Organization | Introduction  
Review Text pages 2 - 39 |
| January 25 | Thoracic Wall and Pleural Cavities | Chapter 1: pg. 44 – 72 |
| February 1 | Mediastinum and Heart | Chapter 1: pg. 76 - 107 |
| February 8 | Finish Thoracic Cavity Content  
Exam 1 | |
| February 15 | No School - President’s Day  
Abdominal Wall and Organization of the Abdomen | Chapter 2: pg. 112 - 126 |
| February 22 | Peritoneal Cavity and Contents | Chapter 2: pg. 130 - 167 |
| February 29 | Finish Peritoneal Cavity and Contents  
Posterior Abdominal Wall  
Exam 2 | Chapter 2: pg. 167 – 188 |
| March 7 | Back - Vertebral Column  
Back – Musculature | Chapter 4: pg. 266 - 285  
Chapter 4: pg. 295 – 305 |
| March 14 | No School - Spring Break | |
| March 21 | Spinal Cord and Spinal Meninges  
Head: Cranium, Scalp and Cranial Meninges  
No Class 3/25/16 – Good Friday | Chapter 4: pg. 288 - 293  
Chapter 7: pg. 486 – 503 |
| March 28 | Finish Unit 3  
Exam 3 | |
| April 4 | Brain  
Brain Cont....  
No Class 4/8/16 – Advising Day | Chapter 7: pg. 501 – 506 |
| April 11 | Cranial Nerves  
Exam 4 | Chapter 9 |
| April 18 | Neck  
Face | Chapter 8: pg. 582 - 623  
Chapter 7: pg. 507 – 574 |
| April 25 | Finish Neck/Face Information  
Begin Upper Extremity | Chapter 6 |
| May 2 | Finish Upper & Lower Extremities | Chapter 6 & 5 |
| May 9 | FINAL EXAM (Exam 5) – Time TBA | |