PTA 106 – Regional Human Anatomy and Physiology

Class Time: Lecture – Two 1 and 1/2-hour lectures per week.
Laboratory – Two 2-hour laboratories per week.

Credits: 5 quarter-hours

Subject Matter: Continued study of human body structure and function with emphasis on nervous, circulatory, respiratory, endocrine, and advanced material on musculoskeletal systems.

Course Regulation, Requirements and Procedures:

Attendance and Participation:
As the instructor for this class, I respect the fact that college students are adult learners. With this respect comes the obligation that students demonstrate the attributes that make for a successful college student. Successful students attend class, make a point to be on time to class, come prepared for class, and are active participants in the educational process.

Each week there will be activities that require active participation in class such as laboratory exercises and in lectures. My expectations are that you will attend class and be an active learner. Failure to do so will have negative consequences for your grade. Missed information from class and missed opportunity to participate in classroom activities will result in your becoming hopelessly behind, which usually results in low performance on lecture tests and lab tests.

No unexcused absences allow during testing days!! Please see the instructor preferably before an absence, if not before the absence, then immediately after returning to class. Missed exams (excused absences only) must be made up within one week after returning to class. Lab Exams cannot be made up for any reason.

Classroom Decorum:
Some general classroom rules: Please be on time to class and do not leave early. It is disruptive to the rest of the students and in fact rude to arrive after class has begun or to leave before the session has ended. Please do not visit during instructor lectures or viewing of videos during class time; it is rude and disruptive to other students. Reserve your visitation to planned activities that require group discussion, such in the laboratory. If you want to visit with your friends, go to the student union for a cup of coffee; do not come to class.

Student Responsibilities in this class:
- Behave toward others in a professional manner
- Avoid personal attacks, harsh criticism, and objectionable language while communicating with others
- Pay attention to the course calendar; keep up with the course work
- Submit your work on time.
- Actively participate in all course activities.
- Seek assistance from instructors when needed.
- Take control of your attitude, time, and performance

You are expected to take the responsibility to form the good study habits that are the mark of a good student. Be organized! Read the text information before the subject is considered in class. Regularly study and review your text, lecture and laboratory notes. Good lecture notes are a MUST! Plan to study and then do it every day! Regular organized study is more important than the total number of hours that you study right before an exam. Remember that you begin the course with a perfect score. You are responsible for maintaining that score during the quarter by mastering the material presented in the lecture, laboratory and text. As a guide the expected study time outside of class for any college course is two hours for every hour in class per week – or about 14 hours of study outside of class per week. DO NOT CRAM! The formation of study groups is highly recommended.

Attitude and focus are very important to your being a successful student. In the daily grind of the high-speed world we live in, it can become difficult to stay focused on why you’re in this class, why you are going to college, or what
your long-range goals are? As a student, it's important that you keep a positive attitude and keep focused on your goals. A quote from, *A Summer Day*, a poem by Mary Oliver helps me to stay focused and helps reinforce a positive attitude, maybe it'll also help you. “And what will you do with your one precious life”

Instructor Responsibilities in this class:
- Act in a professional manner.
- Facilitate a positive learning environment.
- Establish well-defined student goals.
- Maintain an environment that facilitates open communication
- Share knowledge.
- Offer constructive guidance
- Provide a course calendar of events and due dates for exams.
- Inform students of their performance and grades in a timely manner.

You are taking this class because you have been accepted to a professional program of study, Physical Therapy assistant. As a student you must also make the change in attitude from a student taking general elective classes to that of a student in a professional program. The point of studying and learning can not simply be for an exam, but, must become, “how much of the information can I learn well for my future.” This information and how well you learn it will have a direct impact on your professional career as a Physical therapy Assistant.

Labs: During the laboratory portion of the class, students will be divided into teams of two. Each team will be assigned a laboratory station, microscope and equipment kit. You will be responsible for the items assigned to your team. Do not use other equipment without the permission of the instructor. Please keep the laboratory clean. Neatness and cleanliness are part of good laboratory technique. You will be downgraded 5% of the points for a particular test if you fail to maintain a clean work area or fail to care for materials properly. Wash all glassware, dry it, and return all materials and equipment to the proper place. Organize work time so there is time to clean up properly at the end of each lab. Do not leave all the dirty work for your partner. Always bring both your textbook and laboratory manual to laboratory classes.

Exams and Course Grades:
Three one-hour written examinations covering lecture and text material will be given during the quarter. Three laboratory exams will test your knowledge of laboratory techniques, principles, and understanding of the experiments performed, as well as anatomical knowledge gained through dissection and use of other study aids related to the human body. Short quizzes may be given at any time, if I find students are not keeping with in the class.

Please keep in mind that as the instructor for this class I don’t “give” grades, but rather, I assign the grades that you “earn” through the work and effort you put into your learning the material required for this class. Course grades will be earned on the basis of total points derived from both the lecture and laboratory exams. As a guide to your progress in the course the grading scale will be: A-(90% or 3.5), B-(80% or 2.6), C-(65% or 1.6), D-(50% or 0.7). A more detailed grading scale will be posted in lab.

I should not need to address cheating because, as a student in a professional program, you must develop or already have the ethics requires of your profession. But, just so everything is clearly understood, cheating in any form will not be tolerated in this class. Lab Exams will be graded in class so that you can learn from any mistakes made. Honesty is expected at all times of all students. Students caught cheating will receive a zero for the test. If caught a second time the student will receive a zero for the class and will be subject to disciplinary action as detailed in the student handbook and the PTA department.
Lecture Schedule: PTA 106 Human Regional Anatomy and Physiology  
Gary Blevins  
Fall Quarter, 2008  
Lectures: Monday and Wednesday 1:30-3:00 pm 8/146  
Office 8/105  
e-mail: GaryB@spokanefalls.edu

Date: Lecture Topic

**Unit #1 Head and Neck Region**

09/ 21 Muscle of the head and neck 491-578, 583-630, 633-659
Digestive system structures and functions
23 Respiratory system structures and functions
28 Cardiovascular structures and functions
Endocrine system structures and functions
30 Nervous system structures and functions

10/ 5 Nervous system structures and functions
7 **Unit #1 Lecture Exam**
12 open

**Unit #2 Thoracic Region and Abdominopelvic Region**

14 Muscles of the thoracic region 50-133, 118-192, 271-307
Nervous system structures and functions
19 Cardiovascular structures and functions
21 Cardiovascular structures and functions
26 Cardiovascular structures and functions
28 Digestive, endocrine and Respiratory structures and functions

11/ 2 Continued Cardiovascular/digestive/Endocrine/Respiratory
4 **Unit #2 Lecture Exam**

**Unit #3, Upper and Lower Extremities** 313-401

9 Group presentation preparation time
11 **Holiday No class**
16 Group presentation (Shoulder joint and arm)
18 Group presentation (Elbow and hand joints)
23 Group presentation (Hip joint and leg)
25 **Holiday (no Class)**
30 Group presentation (Knee joint and leg)
Group presentation (Ankle joint and foot)

12/ 2 **Tentative EWU Cadaver Lab visit.**

TBD **Unit 3 Lecture Exam**

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<thead>
<tr>
<th>Date</th>
<th>Lecture Topic</th>
<th>Reading in Text*</th>
<th>Pages:</th>
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<tbody>
<tr>
<td>09/21</td>
<td>Topography, Bones, Cartilages, ligaments</td>
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<td>232-245</td>
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<tr>
<td>23</td>
<td>Muscles</td>
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<td>246-266</td>
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<td>28</td>
<td>Blood vessels, Cranial nerves, and Lymph nodes</td>
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<td>267-269</td>
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<td>30</td>
<td>Brain</td>
<td>study guide and textbook</td>
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<td>10/5</td>
<td>Endocrine glands and hormones, Digestive system structures and functions,</td>
<td>study guide and textbook</td>
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<td>5</td>
<td>Respiratory system structures and functions</td>
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<td>7</td>
<td>Review</td>
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<td><strong>Unit #1 Lab Exam</strong></td>
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<td>14</td>
<td>Topography, Bones, Cartilages, ligaments</td>
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<td>174-193</td>
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<td>19</td>
<td>Muscles and Spinal cord</td>
<td>194-232, study guide and textbook</td>
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<td>21</td>
<td>Heart and Blood vessels</td>
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<td>26</td>
<td>Cardiac physiology</td>
<td>Handout</td>
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<td>28</td>
<td>Respiratory Anatomy and Physiology</td>
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<td>16</td>
<td><strong>Shoulder joint:</strong> Topography, Bones, Cartilages, ligaments, Muscle, Nerves,</td>
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<td>53-59</td>
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<td></td>
<td>Blood vessels</td>
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<td>69-108</td>
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<td>18</td>
<td><strong>Elbow and hand joints:</strong> Topography, Bones, Cartilages, ligaments, Joints</td>
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<td>Muscle, Nerves, Blood vessels</td>
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<td>135-166</td>
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<td>23</td>
<td><strong>Hip Joint and leg:</strong> Topography, Bones, Cartilages, ligaments, Joints</td>
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<td>Muscle, Nerves, Blood vessels</td>
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<td>25</td>
<td><strong>Holiday (No class)</strong></td>
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<td>12/30</td>
<td><strong>Knee joint and leg:</strong> Topography, Bones, Cartilages, ligaments, Joints</td>
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<td>Muscle, Nerves, Blood vessels</td>
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<td><strong>Ankle joint and foot:</strong> Topography, Bones, Cartilages, ligaments, Joints</td>
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<td>Muscle, Nerves, Blood vessels</td>
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<td>Dec.</td>
<td>2 <strong>Tentative EWU Cadaver Lab visit.</strong></td>
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<td><strong>TDB Unit #3 Lab Exam</strong></td>
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**Please bring your Textbooks to lab as well and the lab book**