AUBURN UNIVERSITY

SYLLABUS

**1.**

**Course Number:** KINE 7970-003

**Course Title:** Advanced Anatomical Principles

**Credit Hours:** 3 semester hours (3 LEC)

**Prerequisities:** None

**Corequisites:** KINE 7970-004

**2.**

**Date Syllabus Prepared:**

 Template syllabi: November 2010

**3.**

**Text or Major Resources:**

1. Instructor created packet
2. Kapit & Elson (2002). The Anatomy Coloring Book (3rd Edition). McGraw-Hill, New York, N.Y.
3. Floyd, R.T. (2007). Manual of Structural Kinesiology (16th Edition). McGraw-Hill, New York, N.Y.

**4.**

**Course Description:**

This course is a clinically oriented human anatomy course. This course is designed to provide the graduate students with an applied methodology to interact and utilize anatomical knowledge.

**5.**

**Student Learning Outcomes:**

1. Demonstrate knowledge of basic anatomical terminology in order to describe movement and location of specific components of the body
2. Demonstrate knowledge of the broad classification of joints (3 classifications) as well as the structure and function of the 6 types synovial joints
3. Demonstrate knowledge of basic muscle structure and function including basic neuromuscular functions
4. Demonstrate knowledge of muscle fiber architecture and how it relates to force development across joints
5. Demonstrate knowledge of how muscles cross each joint (ankle, knee, hip, pelvis, trunk, shoulder, elbow, wrist and fingers)
6. Demonstrate knowledge of the joint actions to which specific muscles contribute and how that contribution can be affected by the position of the joint
7. Demonstrate knowledge of how muscles that do not cross a joint may have implications for a specific joint action
8. Demonstrate knowledge of how muscles employ the properties of lever systems to be efficient limb movers
9. Demonstrate knowledge of how the forces associated with mechanisms of injury can place specific muscles at risk
10. Demonstrate knowledge of how specific rehabilitation assessments and protocols employ the function of the specific muscle, for example, through manual muscle testing.

**6.**

**Course Content Outline:\***

Students enrolled in this class through distance education will access class lectures through the use of narrated Powerpoint lecture. Assignments, assessments and lectures will be accessible through Blackboard. Assignments will be submitted electronically through Blackboard or email allowing for timely delivery and subsequent instructor response. Students will have access to the instructor via email, Blackboard and phone as necessary in lieu of utilizing on-campus office hours. The technology used is appropriate for this program as it provides distance education students with identical lectures and equal access to both the instructor and other students.

Class 1: Review syllabus, expectations, introduction to anatomical terms, planes, axes and movements (Quiz 1)\*\*

Class 2: Bones and joints

Class 3: Muscle, introduce nervous system (Quiz 2)\*\*

Class 4: Ankle and injury mechanism (Quiz 3)\*\*

Class 5: Knee and injury mechanism (Quiz 4)\*\*

Class 6: Review & Midterm

Class 7: Hip & pelvic girdle: with injury and training considerations (Quiz 5)\*\*

Class 8: Pelvic girdle: with injury and training considerations (Quiz 6)\*\*

Class 9: Spine and injury mechanisms

Class 10: Shoulder girdle and injury mechanisms (Quiz 7)\*\*

Class 11: Shoulder and injury mechanisms (Quiz 8)\*\*

Class 12: Elbow and injury mechanisms (projects due this week) (Quiz 9)\*\*

Class 13: Wrist & hand and injury mechanisms (Quiz 10)\*\*

Class 14: Review for Final, Final will be given at the scheduled time

\*Tentative schedule – subject to change depending on student progression

\*\*All quizzes will be administered on Blackboard

**7.**

**Assignments/Projects:**

**Exams:** exams may or may not be administered through Blackboard.

**8.**

**Rubric and Grading Scale:**

Final grades will be based on the performance of the student on the graded assignments using the following point allocation.

|  |  |  |
| --- | --- | --- |
| **Quizzes** | **20 points each** | **200 points** |
| **Projects**  | **66.67 points each** | **200 points** |
| **Midterm** | **300 points** | **300 points** |
| **Final**  | **300 points** | **300 points** |
| **Total** |  | **1000 points** |

**1000-900 = A**

**890-800 = B**

**790-700 = C**

**690-600 = D**

**<590 = F**

**9.**

**Class Policy Statements:**

**Excused Absences:** Students are granted excused absences from class for the following reasons: Illness of the student or serious illness of a member of the student’s immediate family, the death of a member of the student’s immediate family, trips for student organizations sponsored by an academic unit, trips for University classes, trips for participation in intercollegiate athletic events, subpoena for a court appearance, and religious holidays. Students who wish to have an excused absence from this class for any other reason must contact the instructor in advance of the absence to request permission. The instructor will weigh the merits of the request and render a decision.

When feasible, the student must notify the instructor prior to the occurrence of any excused absences, but in no case shall such notification occur more than one week after the absence. Appropriate documentation for all excused absences is required. Please see the *Tiger Cub* for more information on excused absences.

**Make-Up Policy:** Arrangement to make up missed major examination (e.g. hour exams, midterm exams) due to properly authorized excused absences must be initiated by the student within one week from the end of the period of the excused absences. Except in unusual circumstances, such as continued absence of the student or the advent of university holidays, a make-up exam will take place within two weeks from the time that the student initiates arrangements for it. Except in extraordinary circumstances, no make-up exams will be arranged during the last three days before the final exam period begins. The format of the make-up exam will be specified by the instructor depending on the exam.

**Attendance**. It is expected that students taking a graduate class will attend every class meeting, will arrive on time, and will actively participate in each class. Absences and late arrivals will not be tolerated. If you must miss class because of illness or other emergency, please try to notify the instructor in advance. You are still responsible for any work missed during an absence.

**Academic Honesty Policy:** All portions of the Auburn University student academic honesty code (Title XII) found in the *Tiger Cub* will apply to university courses. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

**Cell Phones**. As a courtesy to everyone, please turn off your cell phone during class. If you have a compelling reason for leaving your phone on, please let me know at the beginning of class. Also, please do not text–message during class.

**Best Work**. Please take pride in your work and be motivated to do your best work in this class; if you are, you will gain the maximum benefit from the course.

**Disability Accommodations.** Students who need accommodations are asked to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by E–mail. Bring a copy of your Accommodation Memo and an Instructor Verification Form to the meeting. If you do not have an Accommodation Memo but need accommodations, make an appointment with **The Program for Students with Disabilities**, 1228 Haley Center, 844–2096.

**Course Contingency:** If normal class activities are disrupted due to illness, emergency, or crisis situation, the syllabus and other course plans and assignments may be modified to allow completion of the course. If this occurs, an addendum to your syllabus and/or course assignments will replace the original materials.

**Student Academic Grievance Policy:** The purpose of this university policy is to “resolve academic grievances of students, which results from actions of faculty or administration. This resolution should be achieved at the lowest level and in the most equitable way. The burden of the proof rests with the complainants.” See *Tiger Cub* for steps toward redress.

Professionalism: As faculty, staff and students interact in professional settings, they are expected to demonstrate professional behaviors as defined in the College’s conceptual framework. These professional commitments or dispositions are listed below:

* Engage in responsible and ethical professional practices
* Contribute to collaborative learning communities
* Demonstrate a commitment to diversity
* Model and nurture intellectual vitality