

KINE 7400 – Advanced Anatomical Principles (3 cr.)

Dr Weimar

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Office Hours: by appointment only

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Course Description:

KINE 7400 is a clinically oriented human anatomy course. This course is designed to blend an advanced, in depth analysis of human functional anatomy and biomechanics.

Course Objectives:

To integrate muscle action and biomechanics

To integrate an understanding of individual muscle action to functional muscle groups

To apply understanding of functional muscle groups to joint structure and function

To apply understanding of functional muscle groups to human movement

To apply understanding of functional muscle groups to orthopedic injury and rehabilitation

Course Requirements:

Exams 75%

Quizzes, Homework, Presentations 20%

Attendance 5%

Grading Scale:

A 100 - 90%

B 89 - 80%

C 79 - 70%

D 69 - 60

F ≤ 59

Textbook:

Floyd, R.T. (2009) Manual of Structural Kinesiology (17th Ed.). McGraw-Hill, New York, NY.

Web Site:

All lectures and course documents will be posted on Canvas

Attendance:

The student is responsible for all course material. Students are expected to participate in all class discussions and participate in all exercises. It is the student's responsibility to contact the instructor if assignment deadlines are not met. Students are responsible for initiating arrangements for missed work. All quizzes and exams will be announced. There will be a no unannounced quizzes. No make-up quizzes/exams will be allowed, and a score of 0 will be recorded for missed assignments.*

* Only applicable to unexcused absences. Please refer to the Student Policy eHandbook for the definitions of excused absences.

Excused absences will be treated as follows:

- a. Students must provide the instructor with a valid excuse upon returning to class (refer to Auburn University's policy concerning class attendance and excused/unexcused absences): and
- b. Make-up work developed and assigned at the discretion of the instructor must be completed within a week of the student returning to class.

If the student fails to follow these instructions the excused absence in question will be calculated as an unexcused absence. There are times when unforeseen circumstances will not allow you to attend class. Exceptions to this policy due to extreme circumstances are only permitted with the professor's timely knowledge and approval. Arrangements to make up missed assignments and examinations due to properly authorized excused absences shall be initiated by the student within a week of the excused absence as mandated by Auburn University. Again, the format of any make-up work/assignments will be at the instructor's discretion. Finally, the instructor will address all issues concerning absences at his/her discretion. Students are encouraged to refer to Auburn University's policies concerning attendance, absences, academic honesty, and make-up work as found in the Auburn Bulletin.

Honesty Code:

The University Academic Honesty Code and the *Student Policy eHandbook Rules and Regulations pertaining to Cheating* will apply to this class.

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, 1244 Haley Center, 844-2096 (V/TT).

Course Content

Week 1: Review syllabus, expectations, introduction to anatomical terms, planes, axes, movements; Muscles, Joints, and Bones; Muscles, Joints, and Bones cont., Exam 1 this week

Week 2: Ankle and Lower Leg; Knee; Review for Exam 2, Exam 2 this week

Week 3: Hip and Pelvic Girdle

Week 4: Review for Exam 3, Exam 3 this week

Week 5: Spine and Brachial Plexus; Shoulder; Elbow; Wrist and Hand; Review for Final, Exam 4 this week

* This is a tentative schedule and is subject to change