

I. **INSTRUCTOR:** Dr. Rick Hinrichs (PEBE 206, 965-1624, hinrichs@asu.edu)

Office hours: Mon 2:00-3:00 PM, Tue 12:00-1:00 PM, Thu 9:30-10:30 AM
(by appointment—sign up sheet is on my office door)

II. **COURSE DESCRIPTION AND OBJECTIVES**

The purpose of this course is for the student to develop an ability to perform systematic qualitative analyses of selected athletic performances and other human movements. In doing so, the student should acquire observational skills and be able to detect and correct faults in technique that limit human performance. In addition, the student should become increasingly aware of the latest research findings pertaining to the biomechanics of selected sports.

III. **COURSE REQUIREMENTS AND WEIGHTING SCHEME**

	<u>413</u>	<u>598</u>
1. Exam 1	22%	18%
2. Exam 2	22%	18%
3. Final exam	32%	28%
4. Written assignments	14%	20%
5. Final project	10%	16%

The written assignments include qualitative analyses, lab reports, and other written work. Each written assignment will have a specific due date. A 5% deduction will be made each 24-hour period an assignment is turned in late (beginning at the start of class on the due date). The final project will involve an individualized qualitative analysis of a certain motor skill or sports performance of the student's choice. All projects must be approved by the instructor before the midterm exam. Those receiving graduate credit (598) will be expected to go into more detail in the analyses and provide longer written reports than those receiving undergraduate credit (413). In addition, all graduate students in EPE 598 will make an oral presentation of their final projects in front of the class.

IV. **COURSE EVALUATION**

The above weighting scheme will be used to compute an overall average score for each student. All grades will be curved. The approximate cutoff scores for KIN 413 from previous semesters are as follows*:

A+: 92%, A: 88%, A-: 85%, B+: 82%, B: 79%, B-: 75%, C+: 71%, C: 64%, D: 55%

*Note: 598 grade cutoffs are about 2% higher than those for 413.

V. **TEXTBOOK**

Knudson, D.V. & Morrison, C.S. (2002). *Qualitative Analysis of Human Movement*. Champaign, IL: Human Kinetics.

VI. **SUPPLEMENTAL READINGS**

Supplemental readings will be available for students on the class web page. In addition, the following two books will be placed on reserve in Noble Library under KIN 413: (1) Hay, J.G. (1993). *The Biomechanics of Sports Techniques* (4th ed.), Englewood Cliffs, NJ: Prentice Hall and (2) Hay, J.G. & Reid, J.G. (1988). *Anatomy, Mechanics, and Human Motion* (2nd ed.), Englewood Cliffs, NJ: Prentice Hall.