

KINE 7426 – Dartfish I: Biomechanics of Sport Technique

Instructor

Dr. Weimar, Sport Biomechanics Laboratory, 1127 Memorial Coliseum, 844-1468.

E-mail: weimawh@auburn.edu

Office hours: Daily, 10 – 11 AM. Other times by appointment.

Course Description: The purpose of this course is to introduce the techniques and develop the skills needed to perform a biomechanical analysis of a specific sport technique.

Course Objectives: Upon completion of this course, students will: 1. Be able to break a skill into its component parts; 2. Be able to isolate the waypoints of skills; 3. Be able to analyze a videotaped performance; 4. Be able to videotape a performance to observe the critical components of a skill; 5. Be able to provide appropriate feedback to the performer regarding their skill performance;

Course Requirements:

- (1) You are required to come to class and participate and complete weekly assignments
- (2) You are required to successfully complete: quizzes, midterm and final
- (3) You are required to successfully complete the semester long project

Grading and Evaluation Procedures:

Final Grade

> 90 = A

> 80-90 = B

> 70-80 = C

> 60-70 = D

< 60 = F

Class Policy Statements:

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.

Plagiarism. There are no group assignments or projects in this course. All exams, homework, projects and any other written work must reflect the individual efforts of each student. Please refer to the *Tiger Cub* for information regarding academic honesty.

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 Content: Topics

Introduction

Skill Analysis I

Skill Analysis II

Video basics

Skill I

Skill I

Skill II

Skill II

Your project

Skill III

Skill III

Skill IV

Skill IV

NO CLASS - Thanksgiving

Break

Skill V

Skill V