**KINE 7436 – Dartfish II Spring 2015**

**Meetings:** Online

**Instructor:** Dr. Wendi Weimar - Biomechanics - 844-1468 weimawh@auburn.edu

**Office:** Sport Biomechanics Laboratory, 20 Kinesiology Building

**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 (2) You are required to successfully complete: assignments, midterm and final (3) You are required to successfully complete the semester long project

**Course Contents:**

Week 1. Review of skill analysis for a basic skill– prepared by instructor

Lab 1: Breaking a skill into components

Week 2. Review of skill analysis for an advanced skill - prepared by instructor

Lab 2: Breaking advanced skill into components

Week 3. Advanced camera basics

Lab 3: Capturing video is different lighting

Week 4. Uploading and editing video– prepared by instructor

Lab 4: Upload video and trim

Week 5. Using “in the action” feature– prepared by instructor

Lab 5: Capturing movement using “in the action” feature

Week 6. Trimming “in the action” video – prepared by instructor

Lab 6: Trim “in the action” video.

Week 7. Use “in the action” to provide immediate feedback – prepared by instructor

Lab 7: Use “in the action” to provide immediate feedback

Week 8. Synchronize 2 videos from different angles – prepared by instructor

Lab 8: Synchronize 2 videos from different angles & provide feedback

Week 9. Use “blending tool”- prepared by instructor

Lab 9: Use “blending tool” to compare movement of 2 performances & provide

feedback to performer

Week 10. Review progress of semester project

Week 11. The “tracking tool” - prepared by instructor

Lab 11: Use the tracking tool

Week 12. Physic concept I - prepared by instructor

Lab 13: Use the tracking tool to teach a physics concept

Week 13. The “stromotion” tool - prepared by instructor

Lab 12: Use the “stromotion tool”

Week 14. Physic concept II- prepared by instructor

Lab 14: Use stromotion tool to teach a physics concept

Week 15. Defend semester project

**Course Requirements:**

Laboratory work, midterm and final exam will be given during this course.

**8. Grading and Evaluation Procedure:**

Lab work ...... 30% 90 - 100 --- A

Mid Exam ...... 30% 80 - 89 --- B Final Exam ...... 40% 70 - 79 --- C

60 - 69 --- D Under 60 --- F

**Web Site**:

All lectures and course documents will be posted on Canvas

**\*\*\*Course Work & Evaluation:**

**It is the student's responsibility to be able to navigate and check Canvas on a DAILY basis for Discussion updates/postings, Assessment Deadlines, Grades, and all other Canvas functions.**

All course work will be completed and graded online. It is the student's responsibility to provide themselves with enough time to take the online assessments. Failure to plan ahead will result in the grade that is given.

Quizzes and exams will remain open only for specified dates and times; it is the student's responsibility to check Canvas online frequently to plan ahead for these dates and times. 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 ([www.auburn.edu/studentpolicies](https://ch1prd0202.outlook.com/owa/redir.aspx?C=J7fYBYMTnk-KeZ2412XCCVbtqftSA88I1ohPwMRxwi8hj_7i9v-LiFmCWchSgiJT858QQYfBsOk.&URL=http%3a%2f%2fwww.auburn.edu%2fstudentpolicies)) for the definitions of excused absences.

**Make-up work must be completed within 5 calendar days.**

**Any concerns regarding points or questions on a quiz/exam must be communicated to the instructor via email within 2 days of the submission deadline.**

Students are expected to take the quizzes/exams on their own without the benefit of a book, notes, or other resources.

The student is responsible for all course material. Students are expected to (as well as encouraged to) participate in online discussions and postings. It is the student’s responsibility to contact the instructor if assignment deadlines are not or cannot be met. Students are responsible for initiating arrangements for missed work within 2 days of the submission deadline.

**University email is the official form of communication for this class; do not send emails through Canvas as they may not be found as quickly as University email. Please feel free to email the instructor with ANY questions (including navigation help) throughout the semester, as she will respond as quickly as possible.**

**Honesty Code**:

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

**Accommodations:**

Students who need accommodations are asked to electronically submit their approved accommodations through AU Access and 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. If you have not established accommodations through the Office of Accessibility, but need accommodations, make an appointment with the Office of Accessibility, 1228 Haley Center, 844-2096 (V/TT).