**KINE 7426 – Dartfish I: Biomechanics of Sport Technique**

**Instructor**

Dr. Weimar, Sport Biomechanics Laboratory, 020 Kinesiology Building, 844–1468.

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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 completely 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

**\*\*\*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).

**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.

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| **Course Content:** Topics  |
| Week 1 & Week2: Review syllabus, expectations, introduction to anatomical terms, planes, axes and movements (Quiz 1) |
| Week 3: Observing movement (Assignment 1 due) |
| Week 4: Breaking skills down (Quiz 2) |
| Week 5: Identifying critical skill components (Assignment 2 due) |
| Week6: Camera basics (Assignment 3 due) |
| Week 7: Review & Midterm |
| Week 8: Dartfish TV  |
| Week 9: Upload and trim video  |
| Week 10: Video in Dartfish (speed control) (Assignment 4 due) |
| Week 11: Video in Dartfish (drawing tools-video)  |
| Week 12: Video in Dartfish (key positions) (Assignment 5 due) |
| Week 13: Key positions with critical joint actions (Assignment 6 due) |
| Week 14: Key positions (drawing tools) (Assignment 7 due) |
| Week 15: Finalizing mediabook (Assignment 8 due) |
| Week 16: Review for Final, Final will be given at the scheduled time |
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