# Auburn University

# College of Education

# School of Kinesiology

# Course Syllabus

## Syllabus for KINE 4563 (Spring 2021)

### Course Information:

Course Number: KINE 4563

Course Title: Sport Technique and Movement Analysis

Course Hours: 3 semester hours

Prerequisites: none

### Faculty Information:

Instructor: Jessica Downs

Office Location: Kinesiology Building 122

Office Hours: M/W 8 PM – 10PM, T/TH 2 PM – 4 PM

Email**:** jzd0075@auburn.edu

### Recommended Text :

Carr, G. A., & Carr, G. (2004). *Sport mechanics for coaches*. Human Kinetics.

### Course Meetings:

N/A

### Course Description:

This course is designed to enhance skills and knowledge for observing, evaluating, and correcting movement patterns. Application of these concepts, as well as methods of motion analysis covered in this course, will enable the student to evaluate human performance in greater detail.

Student Learning Outcomes:

The students will be able to:

1. learn a systematic approach to the analysis of human motion;

2. identify the anatomical contributions of normal and pathological motions;

3. utilize proper terminology to identify observed motions

### Course Overview (Tentative Schedule of Topic- exact timing may change)

Week 1. Introduction, Terminology, and Skeletal Principles of Movement

Week 2. Skeletal and Muscular Principles of Movement

Week 3 Muscular and Mechanical Principles of Movement

Week 4. Mechanical Principles of Movement

Week 5. Mechanical Principles of Movement

Week 6. Movement Analysis Components   
Week 7. Movement Analysis Skill- Optical Motion Capture

Week 8. Techniques Associated with Optical Motion Capture

Week 9. Identifying and Correcting Movements   
Week 10. Techniques Associated with Optical Motion Capture

Week 11. Movement Analysis Pre-Intervention

Week 12. Intervention and Final Project  
Week 13. Intervention and Final Project

Week 14. Intervention and Final Project

Week 15. Movement Analysis Post-Intervention and Final Project

### EVALUATION METHODS:

#### Course Requirements:

A project, mid-term exam, final exam, and weekly assignments will be given during this course. An assignment and discussion will be due every Thursday at 11:59pm.

#### Grading and Evaluation Procedure:

Assignments......30% (This includes a Canvas discussion that will occur every Thursday)

Project………30%

Mid-Term Exam......20%

Final Exam....20%

90 - 100 --- A

80 – 89.99 --- B

70 – 79.99 --- C

60 – 69.99 --- D

Under 60 --- F

### Class Policy Statements:

Participation: Students are expected to participate in Canvas discussions. It is the student’s responsibility to contact the instructor if concepts and materials need further explanation.

Email: Tigermail is the official means of communication for Auburn University. The instructor will communicate with the class through Tigermail regularly. You will be responsible to obtain this information and should check your Tigermail account frequently.

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

Questions/Help: Students are encouraged to ask questions and seek extra help on a regular basis. Please do not wait until the day before a quiz or exam.

Honesty Code: The University Academic Honesty Code and the Student Policy e-Handbook Rules and Regulations pertaining to cheating will apply to this course.

Professionalism: As faculty, staff, and students interact in professional settings, we are expected to demonstrate professional behaviors as defined in the College’s conceptual framework. These professional commitments or dispositions are listed below:

* + - Engage in responsible and ethical professional practices
    - Contribute to collaborative learning communities
    - Demonstrate a commitment to diversity
    - Model and nurture intellectual vitality

**\*COVID-19 Policy Statements\***

**Attendance Policy**

Your health and safety, and the health and safety of your peers, are my top priorities. If you are experiencing any symptoms of COVID-19, or if you discover that you have been in close contact with others who have symptoms or who have tested positive, you should not attend in-person classes. My hope is that if you are feeling ill or if you have been exposed to someone with the virus, you will stay home to protect others.

Please do the following in the event of an illness or COVID-related absence:

* Notify me in advance of your absence if possible (or within 48 hours of missed class)
* Keep up with coursework as much as possible
* Participate in class activities and submit assignments electronically as much as possible
* Notify me if you require a modification to the deadline of an assignment or exam

Finally, if remaining in a class and fulfilling the necessary requirements becomes impossible due to illness or other COVID-related issues, please let me know as soon as possible so we can discuss your options.

**Face Covering Policy**

In response to COVID-19, and in alignment with Auburn University's Presidential directives, and local, state, and national health official guidelines face coverings are required at all times while on campus, except when alone in a private office. This includes the classroom, laboratory, studio, creative space, or any type of in-person instructional activity, and public spaces. "A “face covering” is defined as a “covering that fully covers a person’s nose and mouth, including without limitation, cloth face mask, surgical mask, towels, scarves, and bandanas.

If a student has a medical exception to the face covering requirement, please contact the Office of Accessibility to obtain appropriate documentation.

**Instructional Contingency Plan**

If normal class and/or activities are disrupted due to illness, emergency, or crisis situation (such as a COVID-19 outbreak), the syllabus and other course plans and assignments may be modified to allow completion of the course. If this occurs, an addendum to your syllabus and/or course assignments will replace the original materials. If the method of delivery should need to be changed throughout the course of the semester, please look to your Canvas page for announcements.

***\*\*\*NOTE: The syllabus is subject to change at the discretion of the class instructor. Students will be notified in a timely manner of any syllabus changes via email.\*\*\****