

University of Texas at El Paso
Department of Kinesiology
KIN 5361 – Biomechanical Basis of Sport
Fall 2020

General Information

Instructor:	Jeff Eggleston, PhD
Office:	HSSN 450; LKD 102C
Email:	jdeggleston@utep.edu
Office Hours:	By appointment only
Course Textbook:	Biomechanics: A Case-Based Approach, Second Edition, by Sean P. Flanagan
Class time:	Asynchronous

Course Description

This course will focus on the mechanical analysis of the internal and external forces acting on the human body and the effects of these forces. Emphasis will be placed on the development and content knowledge to analyze movements both qualitatively and quantitatively. Lecture content in this course will be administered in an asynchronous manner, with assignments due at the end of each week. The exams will be administered in a pseudo-asynchronous manner with the mid-term being completed at a specific date and time.

Additional Resources

Throughout the semester additional readings, resources, and ancillary materials will be posted on Blackboard.

Learning Objectives

By the end of this course students should be able to:

1. Describe human motion through the application and laws of mechanics;
2. Demonstrate knowledge Newton's Laws of Motion and their effect on movement outcomes;
3. Demonstrate computational and conceptual knowledge of biomechanical variables;
4. Analyze human movement patterns through appropriate data collection and analysis methods;
5. Demonstrate an understanding of real-world application of biomechanics.

Course Evaluation

Final Exam	30%
Midterm Exam	25%
Semester Project	30%
Homework Assignments	
In-class projects/Activities	15%

Exams: There will be one mid-semester exam and one final exam for this course. Both exams will be worth 100 points each. The final exam will be cumulative; material from the entire semester is fair game. Both exams will be administered outside of class but you are **required to submit an electronic version of your exams to me via email (jdeggleston@utep.edu) no later than 11:59pm on Wednesday, October 16 (midterm) and Wednesday, December 16 (final).** Both exams will be available on Blackboard at 5:30pm on their respective dates. If either exam is not in my inbox by 11:59pm on their respective dates, you will receive an automatic 10 point deduction. Likewise, if you do not follow the stated file naming convention on either exam document, you will receive an automatic 5 point deduction.

Semester Project: Your semester project will be comprised of a literature review and presentation of the literature on a specific topic. The purpose of this project is to allow students to demonstrate their abilities to: find peer-reviewed literature surrounding a particular biomechanically related topic, critically evaluate findings within peer-reviewed literature, and form general conclusions founded within the literature. Furthermore, the presentation component of this project will allow students to demonstrate their content knowledge and presentation skills in front of their peers. The written and presentation portions of the project will both be worth

100 points, for a total of 200 points. Since this course will be completely asynchronously, presentations will need to be recorded/voiced over by the group members. Recorded/voiced-over presentations must be sent to the instructor by **December 1st**. The instructor will post all presentations on Blackboard by December 2nd. Students are required to post *at least 1 question* on every presentation (minus their own) by December 5th. Presenters must respond to each question regarding their presentation by December 9th before the final exam.

Homework: Homework will be assigned every week and will be aligned with the current topics in the course (again, stay current with material). Unless otherwise specified, all assignments will be due the week after they were assigned. Follow specific instructions on each assignment regarding its submission. If submitted files do not follow the specific naming convention on each assignment, you will receive a 1-point deduction.

In-class projects/Activities: In-class projects and activities will be assigned throughout the semester and may include solving mathematical problems, group-based discussions on biomechanical literature, and group/individual movement analyses. These activities will be aligned with the course progression; stay current with course topics and material.

Grading Policy

A	≥ 90.0%
B	80.0%-89.9%
C	70.0%-79.9%
D	60.0%-69.9%
F	<59.9%

Grades will not be rounded

Attendance Policy

Attendance will not be taken. This is graduate school, you should be in class every week. If you have to miss class, ensure you obtain materials from a classmate.

Behavior in class is expected to be conducive to creating a collaborative learning environment. Students may be asked to leave class if they disrupt others' learning environment.

Course Content

See the class schedule for approximate dates for each covered topic.

Exam Schedule

Midterm Exam	Wednesday, October 28
Final Exam	Wednesday, December 9

The 'Life Happens Clause'

The Life Happens Clause is referring to the fact that life happens to each of us throughout the course of a semester and you may not be able to attend class to take a quiz or exam. Specifically, you can invoke this clause **once** during the semester by simply emailing me within one day of any lecture quiz or exam and state that you would like to invoke the clause. The clause states that you will receive a 2-day extension on any quiz or exam in lecture with no questions asked from the instructor (i.e. you do not have to tell the instructor why, just state you would like to invoke the clause). You will still need to schedule a make-up date/time with the instructor for the missed quiz or exam.

University Policies and Resources

Changes to this syllabus: The course schedule may be altered by the instructor, with sufficient notice being provided to students.

Cheating, Plagiarism, Scholastic Dishonesty, and Student Discipline: Cheating is obtaining a reward for ability by dishonest means. It is unethical and not acceptable. Plagiarism occurs whenever a student quotes, paraphrases or summarizes another person's work without providing correct citation. Plagiarism occurs whether the work quoted is a book, article, website, reader's guide like Cliffs Notes or SparkNotes, another student's paper, or any other source. An entire essay is fraudulent even if only a single sentence is plagiarized. *Do not submit work under your name that you did not do yourself, ever.* You may not submit work for this class that you did for another class. If you cheated or plagiarized, you will be subject to disciplinary action as stated in the UTEP catalog policy.

“Scholastic dishonesty (which includes the attempt of any student to present the work of another as his or her own, or any work which s(he) has not honestly performed, or attempting to pass any examination by improper means) is a serious offense and will subject the student to disciplinary action. The aiding and abetting of a student in any dishonesty is held to be an equally serious offense. All alleged acts of scholastic dishonesty should be reported to the Dean of Students for disposition. It is the Dean of Students’ responsibility to investigate each allegation, dismiss the allegation, or proceed with disciplinary action in a manner which provides the accused student his or her rights of due process.” Refer to <http://www.utep.edu/dos/acadintg.htm> for further information.

UTEP has a site license for **Turnitin.com**, a plagiarism detection site that you can also use to check your own work for this or other classes to prevent getting in trouble. If you want to test your understanding of plagiarism, take the self-assessment at <http://education.indiana.edu/~frick/plagiarism> or visit <http://www.turnitin.com>

When an assignment specifies that you must perform a task individually, asking for your classmates’ help is **collusion** and thus scholastic dishonesty. Any instances of scholastic dishonesty will be reported to the Dean of Students Office.

Deadline Policy and Late Assignments: It is essential that you regularly visit the class Blackboard website prepared to work. Once a deadline has passed, you can no longer turn in your work for credit. Plan carefully to ensure you meet the deadlines. If you wait until the last minute, things that can go wrong often do. Start early so you have time to deal with problems and are still able turn in your assignments on time. Do not procrastinate!

Missed Tests: All assignments will strictly follow UTEP’s attendance policy. Any missed assignment that does not meet the requirements of an excused absence will be counted as a 0. If you are going to / or miss an assignment and you believe the absence is excusable, you must contact the Professor within 24 hours of the assignments due date. Emailing later in the semester about missing grades, even if the absence was excused, will not be accepted. It is the student’s responsibility to keep track of when assignments are due and also communicating to the Professor when absences happen.

Students in Need of Assistance: UTEP seeks to provide reasonable accommodations for all qualified individuals who need accommodations or support for their learning. This university adheres to all applicable federal, state, and local laws, regulations and guidelines with respect to providing reasonable accommodations as required, affording equal educational opportunity. It is the *student's responsibility* to register with the **Center for Accommodations and Support Services** <http://sa.utep.edu/cass/> in the UTEP Union Bldg. East Wing, Room 106 *within the first two weeks of classes*, and inform the faculty member to arrange for appropriate accommodations or support.

The CASS Office can also be reached in the following ways: Web: <http://cass.utep.edu/>; Phone: (915) 747-5148 voice or TTY; Fax: (915) 747-8712; E-Mail: cass@utep.edu

Campus Safety and Emergencies Notifications: Information Technology at UTEP provides emergency notification via your mobile phone. Visit <http://www.utep.edu/it> for more information and registration. Check the UTEP website for health-related information and updates.