

University of Texas at El Paso
Department of Kinesiology
KIN 4313 – Biomechanics
Fall 2019

General Information

Instructor: Jeff Eggleston, Ph.D.
Office: HSSN 450; LKD 102C
Email: jdeggleston@utep.edu
Office Hours: by appointment only
Course Textbook: Biomechanical Basis of Human Movement, 4th Edition
J. Hamill, K.M. Knutzen, & T.R. Derrick; Lippincott, Williams & Williams
Class time: Monday, Tuesday, Wednesday, Thursday, & Friday 9:30 – 11:50am
Classroom: Memorial Gym 118

Teaching Assistants: Heather Vanderhoof, Christian Sanchez, Samuel Montalvo
Email: hvanderhoof@miners.utep.edu, cnsanchez4@miners.utep.edu, smontalvo@miners.utep.edu

Prerequisites KIN 1303, KIN 3331, MATH 1320 (or equivalent) and departmental approval

Course Description

A mechanical analysis of the internal and external force acting on the human body and the effects of these forces. Emphasis will be placed on the development of skills to analyze movement both qualitatively and quantitatively.

Laboratory

Labs begin the first week of class and will meet in the teaching laboratory. You will likely need supplies such as paper, pencil, scientific calculator, etc. for all laboratory activities. If any additional supplies are needed, your lab instructor will notify you in advance.

Additional Resources

Throughout the semester, additional assignments, readings, and information will be posted on Blackboard.

Learning Objectives

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

1. Describe human motion using appropriate, well-defined terminology;
2. Understand and apply Newton's Laws to identify causes of human motion;
3. Demonstrate a conceptual and computational proficiency with the above objectives;
4. Demonstrate an understanding of the real-world applications of the course materials.

Course Evaluation

Final Exam	25%
Exams I & II	20% (each)
Laboratory Grade	25%
Quizzes	5%
Journals	5%

Due to the weights of the categories above, you cannot simply compute your grade by the number of points you have received. For your actual grade, refer to the 'Weighted Total' column in the Full Grade Center on Blackboard.

Exams: There will be two mid-semester exams and one final exam for this course. The final will be comprehensive and will take place in accordance with the University Schedule. Each exam will be 100 points each. The Final Exam will be cumulative, material from the entire semester can be on it.

Journal Entries will be completed on Blackboard and are meant to serve as a platform to share interesting biomechanics-related topics of your choice. Each journal has specific instructions, read them carefully before posting.

Quizzes will be given unannounced during the semester and are designed to determine if you are competently understanding course material.

Extra Credit: You can earn extra credit two ways, worth 5 points each, in this course: 1) participating in a research study within our department. You will only receive credit once for participating. To earn extra credit, you must take a picture of yourself participating in the study and submit it to Blackboard; and 2) completing the course evaluation near the end of the semester. You must take a screen shot of the confirmation that your evaluation has been submitted and upload it to Blackboard. Extra credit points will be added to your lowest mid-term exam score and will be manually entered at the end of the semester. **Extra credit attempts must be submitted by 11:59pm on December 5th.**

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. For instance, if you have earned a 78.6%, you will earn a C; your percentage will not be rounded to a B.

Attendance Policy

For lecture, attendance will not be taken. However, students who attend class regularly tend to perform much better. Students are responsible for obtaining information given during class for missed lectures. The instructor is available to clarify missed material via email or during an in-face meeting.

The last day to **drop this course** without receiving a 'W' or failing grade is **November 1st**.

No phones will be allowed as calculators on exams, and calculators must not have any additional capabilities. All exams and quizzes will be written as such and will only require basic algebraic and trigonometric functions.

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

Exam I	Monday, October 7 th
Exam II	Monday, November 11 th
Final Exam	Monday, December 9 th

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.

Child(ren) in Class Policy

Some of you may have children, younger siblings, or other family that may need to attend class with you on rare occasions, and that is completely fine. If you need to bring any younger human to class there is no need to apologize to me or your fellow students for bringing them. Bring them as often as needed.

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 undergraduate 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.