Course Content:
This course introduces the basic principles of Biomechanics, emphasizing the contributions that Biomechanics makes to the understanding of human movement. At the completion of this course, the student will be able to:
1. Use precise, well-defined terminology to describe motion.
2. Understand and quantify linear and angular descriptors of human motion.
3. Understand and quantify the basic causes of human movement.
4. Understand basic biomechanical factors involved in a variety of human movements.

Prerequisites: MAT 124 or higher; KIN 245

Textbook
Any Biomechanics textbook.

Class Resource
Web Campus: material will be posted on a regular basis.
https://faculty.unlv.edu/jmercer/classes.html

Grading Elements
0% Get Involved
Participate in a research study, volunteer for an athletic event, participate in an athletic event.

0% Quizzes
Quizzes will be given periodically but will not be graded. The purpose is for you to be able to determine if you are on track.

20% Laboratories
You must be registered for a lab section. Lab projects will be assigned periodically and could include problems, movement analyses, library or research tasks, for example.

15% Exam 1
Kinematics (~9/26)

15% Exam 2
Kinetics (~10/26)

15% Exam 3
Work, Energy, Power, Application (~11/30)

25% Final Exam
The Final Exam will be comprehensive, with questions based on readings, lectures, projects, discussions, and previous exams. Wednesday 12/14, 8-10 am.

Get Involved
Research: Be a subject, Provide support
Service: Race support volunteer, Shadow personal trainer, Participate in a race ‘Like’ UNLV Biomechanics facebook page

Grading

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>73-75.9</td>
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<tr>
<td>A-</td>
<td>70-72.9</td>
</tr>
<tr>
<td>B+</td>
<td>66-69.9</td>
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<tr>
<td>B</td>
<td>63-65.9</td>
</tr>
<tr>
<td>B-</td>
<td>60-62.9</td>
</tr>
<tr>
<td>C+</td>
<td>≤59.9</td>
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</tbody>
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In order to receive full credit, all materials and assignments must be completed within the specified deadlines. Failure to do so will result in a zero for the assignment.
Important

Class/Classroom Policies

- Absences: Attendance will not be taken, you are expected to come to class. Student is responsible to obtain information/notes for any missed lectures. Instructor is available (after class, office hours) to clarify lecture material missed.
- Plagiarism/Cheating: Zero tolerance; No points (0) will be awarded for activity and student will be referred to the Office of the Vice President for Student Life and Student Conduct for further review/penalty/punishment. This is a very serious matter and can result in expulsion.
- Extra Credit Policy: There will be no extra credit.

Additional Notes

Academic Misconduct—Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility, and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling at UNLV assume the obligation to conduct themselves in a manner compatible with UNLV’s function as an educational institution. An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the Student Academic Misconduct Policy (approved December 9, 2005) located at: https://www.unlv.edu/studentconduct/student-conduct

Copyright—The University requires all members of the University Community to familiarize themselves with and to follow copyright and fair use requirements. You are individually and solely responsible for violations of copyright and fair use laws. The university will neither protect nor defend you, nor assume any responsibility for employee or student violations of fair use laws. Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at: http://www.unlv.edu/provost/copyright

Disability Resource Center (DRC)—The UNLV Disability Resource Center (SSC-A 143, http://drc.unlv.edu/, 702-895-0866) provides resources for students with disabilities. If you feel that you have a disability, please make an appointment with a Disabilities Specialist at the DRC to discuss what options may be available to you. If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor in front of others to discuss your accommodation needs.

Final Examinations—The University requires that final exams given at the end of a course occur at the time and on the day specified in the final exam schedule. See the schedule at: http://www.unlv.edu/registrar/calendars.

Incomplete Grades—The grade of I—Incomplete—can be granted when a student has satisfactorily completed three-fourths of course work for that semester/session but for reason(s) beyond the student’s control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it. The incomplete work must be made up before the end of the following regular semester for undergraduate courses. Graduate students receiving “I” grades in 500-, 600-, or 700-level courses have up to one calendar year to complete the work, at the discretion of the instructor. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade.

Library Resources—Students may consult with a librarian on research needs. Subject librarians for various classes can be found here: https://www.library.unlv.edu/contact/librarians_by_subject UNLV Libraries provides resources to support students’ access to information. Discovery, access, and use of information are vital skills for academic
work and for successful post-college life. Access library resources and ask questions at https://www.library.unlv.edu/

**Rebelmail**—By policy, faculty and staff should e-mail students’ Rebelmail accounts only. Rebelmail is UNLV’s official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students’ e-mail prefixes are listed on class rosters. The suffix is always @unlv.nevada.edu. Emailing within WebCampus is acceptable.

**Religious Holidays Policy**—Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor within the first 14 calendar days of the course for fall and spring courses (excepting modular courses), or within the first 7 calendar days of the course for summer and modular courses, of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit: http://catalog.unlv.edu/content.php?catoid=6&navoid=531

**Transparency in Learning and Teaching**—The University encourages application of the transparency method of constructing assignments for student success. Please see these two links for further information:

https://www.unlv.edu/provost/teachingandlearning
https://www.unlv.edu/provost/transparency

**Tutoring and Coaching**—The Academic Success Center (ASC) provides tutoring, academic success coaching and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, visit http://www.unlv.edu/asc or call 702-895-3177. The ASC building is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of SSC A (ASC Coaching Spot). Drop-in tutoring is located on the second floor of the Lied Library and College of Engineering TBE second floor.

**UNLV Writing Center**—One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 702-895-3908. The student’s Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: http://writingcenter.unlv.edu/

**Any other class specific information**—(e.g., absences, make-up exams, status reporting, extra credit policies, plagiarism/cheating consequences, policy on electronic devices, specialized department or college tutoring programs, bringing children to class, policy on recording classroom lectures, etc.)