

Week	Dates	Topic(s) Covered	Reading	Assignment Due
1	08/22-08/28	Syllabus/Course Schedule Introduction to Biomechanics Linear Kinematics – 1D, 1 Direction	Lessons 1 & 2	1. Blackboard Discussion Board Post
2	08/29-09/04	Linear Kinematics – 1D, 1 & 2 Directions	Lessons 2 & 3	2. Article Review/Lit Review Topic
3	09/05-09/11	Linear Kinematics – 2 Directions	Lesson 4	3. Velocity Computation
4	09/12-09/18	Angular Kinematics	Lesson 5	4. Flamingo
5	09/19-09/25	Inertia & Momentum	Lesson 6	5. Angular Kinematics
6	09/26-10/02	Linear Kinetics	Lesson 7	6. Gait Analysis
7	10/03-10/09	Angular Kinetics	Lesson 8	N/A
8	10/10-10/16	Energy, Work, & Power	Lesson 9	7. Baseball/Softball Pitch
9	10/17-10/23	Impacts and Conservation Laws	Lesson 10	8. Joint Torque & Muscle Power
10	10/27	Midterm Exam		N/A
11	10/31-11/06	Single Joint Concepts	Lesson 13	9. Annotated bibliography
12	11/07-11/13	Lower Extremity Biomechanics	Lesson 14	10. Single Joint Mechanics
13	11/14-11/20	Multi-Joint Concepts	Lesson 17	11. Lower Extremity Mechanics
14	11/21-11/27	Putting It All Together	Lesson 18	
15	11/28-12/04	Literature Review Presentations		Literature Review Presentation Comments
16	Dec 8	Final Exam		

**All assignments are due by Saturday night at 11:59pm. For example, Assignment 1 is due by August 28th at 11:59pm