

LECTURE SCHEDULE

BME 473/7 ~ Applied Biomechanics

Wk	Month	Tuesday		Thursday	
		11		13	
1	August	18		20	1. Introduction and Overview
2		25	2. Tuned Track	27	3. Locomotion
3	September	1	4. Muscle Biology	3	5. Muscle Force Generation
4		8	6. Muscle-tendon Interactions	10	7. Midterm Review 1
5		15	Midterm Exam 1	17	8. Musculoskeletal Geometry
6		22	9. Joint Mechanics	24	10. Musculoskeletal Modeling
7		29	11. Neuromuscular Overview		
7	October			1	12. Muscle Adaption
8		6	13. Lower-limb Anatomy	8	14. Midterm Review 2
9		13	Midterm Exam 2	15	15. Tour of Motion Lab
10		20	16. Motion Tracking Techniques	22	17. Inverse Kinematics Analysis
11		27	18. Inverse Kinematics/Dynamics	29	19. Inverse Dynamics Problem
12	November	3	Course Project First Aid	5	Student Presentations
13		10	Student Presentations	12	Student Presentations
14		17	Student Presentations	19	Student Presentations
15		24	Student Presentations	26	Thanksgiving (no class)
16	December	1		3	
		8	Final Exam TBD	10	