

2012 Classical Mechanics II – **HOMEWORK**

Due Date	Problems
Thu Feb 09 SECTION-01	Chapter 1, §1.7: #41, 42, 43, 44, 45, 46, 47, 48 Physics in Non-Cartesian Coordinate Systems
Thu Feb 16 SECTION-02	Chapter 6: #1, 3, 9, 10, 14, 16, 26, 27 Calculus of Variations
Thu Feb 23 SECTION-03	Chapter 7: #1, 8, 9, 11, 12, 13, 14, 24 Lagrange's Equations
Thu Mar 01 SECTION-04	Chapter 7: #29, 35, 38, 40, 45, 46, 48, 52 Lagrange's Equations
Thu Mar 08 SECTION-05	Chapter 8: # 1, 2, 3, 4, 5, 6, 8, 11 2-body Central Force
Thu Mar 15 SECTION-06	Chapter 8: # 12, 14, 20, 22, 29, 31, 32, 35 2-body Central Force
	SPRING BREAK
Thu Mar 29 SECTION-07	Chapter 9: # 1, 3, 7, 9, 10, 12, 14, 15 Non-Inertial Frames
Thu Apr 05 SECTION-08	Chapter 9: # 16, 17, 18, 21, 22, 23, 25, 33 Non-Inertial Frames
Thu Apr 12 SECTION-09	No Homework due (Test is Fri Apr 13)
Thu Apr 19 SECTION-10	Chapter 10: # 1, 2, 4, 5, 9, 10, 11, 23 Rigid Body Rotation
Thu Apr 26 SECTION-11	Chapter 10: # 30, 37, 39, 40, 41, 44, 45, 51 Rigid Body Rotation
Thu May 03 SECTION-12	Chapter 11: # 1, 2, 5, 6, 14, 27, 32, 33 Oscillators