

Physics 1145 – Fall 2018 Schedule of assignments

You are expected to have done the assigned reading **before** coming to class.

Weekly homework assignments are due Friday 8am and will be posted on the course website:

<http://web.mst.edu/~vojtaa/phys1145/homework.html>. Subject to change. **Last updated 8/13/2018**

Date	Lec #	Topic	Reading	Homework
Aug 20	1	Introduction. Ch. 1: Motion	1.1-5	
Aug 22	2	Ch. 2: Motion in one dimension: Velocity.	2.1-4	
Aug 24	3	Motion in 1-d: Acceleration	2.5	Homework #1
Aug 27	4	Motion in 1-d: Problem solving	2.6-7	
Aug 29	5	Motion in 1-d		
Aug 31	6	Ch. 3: Vectors	3.1-3	Homework #2
Sept 3		Labor Day – no class		
Sept 5	7	Motion in 2 dimensions	3.4-7	
Sept 7	8	Projectile motion		Homework #3
Sept 10	9	Circular motion	3.8; 6.1-2	
Sept 12	10	Motion in 2 dimensions		
Sept 14	11	Ch. 4: Forces. Newton's 1 st and 2 nd Law	4.1-7	Homework #4
Sept 17	12	Review		Test PrepHW #1
Sept 19		Test 1 Ch. 1-3		
Sept 21	13	Ch. 5: Applying Newton's laws.	5.1-4	
Sept 24	14	Friction	5.5-6	
Sept 26	15	Interacting Objects	4.8; 5.7-8	
Sept 28	16	Forces		Homework #6
Oct 1	17	Ch. 6: Circular motion	6.3-4	
Oct 3	18	Forces.		
Oct 5	19	Circular motion		Homework #7
Oct 8	20	Circular orbits, gravity	6.5-7	
Oct 10	21	Circular orbits, gravity		
Oct 12	22	Review		Homework #8
Oct 15	23	Review		Test PrepHW #2
Oct 17		Test 2 Ch. 4-6		
Oct 19	24	Ch. 7: Rotation	7.1-3	

Oct 22	25	Rotational dynamics	7.4-6	
Oct 24	26	Ch. 8:Equilibrium	8.1,2	
Oct 26	27	Springs	8.3	<i>Homework #10</i>
Oct 29	28	Ch. 9: Linear Momentum	9.1-3	
Oct 31	29	Linear Momentum	9.4-6	
Nov 2	30	Angular momentum	9.7	<i>Homework #11</i>
Nov 5	31	Ch. 10: Energy, work, potential E.	10.1-6	
Nov 7	32	Energy	10.7-8	
Nov 9	33	Energy		<i>Homework #12</i>
Nov 12	34	Review		
Nov 14	35	Review		<i>Test PrepHW #3</i>
Nov 16		Test 3 Ch. 7-10		
Nov 19	- 26	Thanksgiving Break – no classes		
Nov 26	36	Ch. 13: Static Fluids	13. 1-4	
Nov 28	37	Fluid dynamics	13. 5-7	
Nov 30	38	Ch. 14: Oscillations	14. 1-5	<i>Homework #14</i>
Dec 3	39	Oscillations		
Dec 5	40	Ch. 15: Waves	15. 1-4	
Dec 7		End Material Quiz Ch. 13+14		<i>Homework #15</i>

Final Exam: Tuesday, December 11, 8am-9:30am, 104 Physics