

Physics 1145 – Fall 2023 Schedule of assignments (Subject to change. **Last updated 4/25/2023**)

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

Weekly homework assignments are posted on the course website:

<http://web.mst.edu/~vojtaa/phys1145/homework.html>. Homework is due Friday 8am; you need to upload a pdf file of your solution to Canvas.

Date	Lec #	Topic	Reading	Homework
Aug 21	1	Introduction. Ch. 1: Motion	1.1-5	
Aug 23	2	Ch. 2: Motion in one dimension: Velocity.	2.1-4	
Aug 25	3	Motion in 1-d: Acceleration	2.5	Homework #1
Aug 28	4	Motion in 1-d: Problem solving	2.6-7	
Aug 30	5	Motion in 1-d		
Sept 1	6	Ch. 3: Vectors	3.1-3	Homework #2
Sept 4		Labor Day – no class		
Sept 6	7	Motion in 2 dimensions	3.4-7	
Sept 8	8	Projectile motion		Homework #3
Sept 11	9	Circular motion	3.8; 6.1-2	
Sept 13	10	Motion in 2 dimensions		
Sept 15	11	Ch. 4: Forces. Newton's 1 st and 2 nd Law	4.1-7	Homework #4
Sept 18	12	Review		Test PrepHW #1
Sept 20		Test 1 Ch. 1-3		
Sept 22	13	Ch. 5: Applying Newton's laws.	5.1-4	
Sept 25	14	Friction	5.5-6	
Sept 27	15	Interacting Objects	4.8; 5.7-8	
Sept 29		Ch. 6: Circular motion	6.3-4	Homework #6
Oct 2	17	Forces		
Oct 4	18	Forces.		
Oct 6	19	Fall Break – No Class		Homework #7
Oct 9	20	Circular orbits, gravity	6.5-7	
Oct 11	21	Circular orbits, gravity		
Oct 13	22	Review		Homework #8
Oct 16	23	Review		Test PrepHW #2
Oct 18		Test 2 Ch. 4-6		
Oct 20	24	Ch. 7: Rotation	7.1-3	

Oct 23	25	Rotational dynamics	7.4-6	
Oct 25	26	Ch. 8:Equilibrium	8.1,2	
Oct 27	27	Springs	8.3	<u>Homework #10</u>
Oct 30	28	Ch. 9: Linear Momentum	9.1-3	
Nov 1	29	Linear Momentum	9.4-6	
Nov 3	30	Angular momentum	9.7	<u>Homework #11</u>
Nov 6	31	Ch. 10: Energy, work, potential E.	10.1-6	
Nov 8	32	Energy	10.7-8	
Nov 10	33	Energy		<u>Homework #12</u>
Nov 13	34	Review		
Nov 15	35	Review		<u>Test PrepHW #3</u>
Nov 17		Test 3 Ch. 7-10		
Nov 20	- 26	Thanksgiving Break – no classes		
Nov 27	36	Ch. 13: Static Fluids	13. 1-4	
Nov 29	37	Fluid dynamics	13. 5-7	
Dec 1	38	Ch. 14: Oscillations	14. 1-5	<u>Homework #14</u>
Dec 4	39	Oscillations		
Dec 6	40	Ch. 15: Waves	15. 1-4	
Dec 8		End Material Quiz Ch. 13+14		<u>Homework #15</u>

Final Exam: Wednesday, December 13, 3:00pm-4:40pm
(Our final is only 90 minutes.)