

PHYSICS 232 Syllabus • Spring 2023 • MWF 11:30 am - 12:20 pm in Physics room 415

CANVAS course "Spring 2023 Physics 232 All Sections"; Pearson's course ID [kamyshkov01375](#)

Text book: University Physics Young and Freedman, 15e, with Pearson's Modified Mastering Physics

This schedule is tentative and can be updated when necessary (see link below)

Last update January 22, 2023, YK

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L#	Date		Study/Tests	Material in Class/Test	Home Work is due at 11:59 pm on this date
1	J23	M	Introduction	Rules and Grading Definition	
2	J25	W	Chapter 14	Periodic Motion	
3	J27	F	Chapter 14	Periodic Motion	HW #0 Refreshing Practice - Feb 04 - if needed (not for credit)
4	J30	M	Chapter 15	Mechanical Waves	HW #1 on Chapter 14 due → J30 at 11:59 pm
5	F01	W	Chapter 15	Mechanical Waves	
6	F03	F	Chapter 16	Sound Waves	
7	F06	M	Chapter 16	Sound Waves	HW #2 on Chapter 15 due → F06 at 11:59 pm
8	F08	W	Chapter 32	Electromagnetic Waves	
9	F10	F	Chapter 32	Electromagnetic Waves	
10	F13	M	Chapter 32	Reserve	HW #3 on Chapter 16 due → F13 at 11:59 pm
11	F15	W	Chapter 33	Light	
12	F17	F	Chapter 33	Light	
13	F20	M	Review	Waves Ch 14,15,16,32	HW #4 on Chapter 32 due → F20 at 11:59 pm
-	F22	W	TEST 1	Chapters 14,15,16,32	
14	F24	F	Chapter 34	Geometric Optics	
15	F27	M	Chapter 34	Geometric Optics	HW #5 on Chapter 33 due → F27 at 11:59 pm
16	M01	W	Chapter 35	Interference	
17	M03	F	Chapter 36	Diffraction	
18	M06	M	Chapter 36	Diffraction	HW #6 on Chapter 34 due → M06 at 11:59 pm
19	M08	W	Chapter 37	Relativity	
20	M10	F	Chapter 37	Relativity	
	M13-17		Spring Break	Spring Break	
21	M20	M	Review	Optics 33, 34, 35, 36	HW #7 on Chapters 35-36 due → M20 at 11:59 pm
-	M22	W	TEST 2	Chapters 33-36	
22	M24	F	Chapter 37	Relativity	
23	M27	M	Chapter 38	Relativity	HW #8 on Chapter 37 due → M27 at 11:59 pm
24	M29	W	Chapter 38	Photons as Particles	
25	M31	F	Chapter 38	Photons as Particles	
26	A03	M	Chapter 39	Particles as Waves	HW #9 on Chapter 38 due → A03 at 11:59 pm
27	A05	W	Chapter 39	Particles as Waves	
-	A07	F		Spring Recess	
28	A10	M	Chapter 40	Quantum Mechanics	HW #10 on Chapter 39 due → A10 at 11:59 pm
29	A12	W	Chapter 40	Quantum Mechanics	
30	A14	F	Chapter 41	Atomic Structure	
31	A17	M	Chapter 41	Atomic Structure	HW #11 on Chapter 40 due → A17 at 11:59 pm
-	A19	W	TEST 3	Chapters 37-40	
32	A21	F	Chapter 42	Atomic Structure/Condensed Matter	
33	A24	M	Chapter 42	Condensed Matter	
34	A26	W	Chapter 43	Nuclear Physics	
35	A28	F	Chapter 43	Nuclear Physics	HW #12 on Chapters 41-42 due → A28 at 11:59 pm
36	M01	M	Chapter 44	Nuclear Physics	
37	M03	W	Chapter 44	Particle Physics	
38	M05	F	Chapter 44	Particle Physics/Cosmology	
39	M08	M	Chapter 44	Cosmology	HW #13 on Chapters 43-44 due → M08 at 11:59 pm
-	M09	Tu	----	Last HW due date	HW #13 adaptive → M09
-	M16	Tu	FINAL TEST	Tuesday May 16 in 415 from 10:30 am to 12:45 pm; Comprehensive Test Ch. 14-16, 32-44	

For HW: see [MasteringPhysics](#) • Clicker channel # 17, resp. session [yk232](#) This page: <http://web.utk.edu/~kamyshko/P232/Syllabus.pdf>

Final Class Grade: Labs 25%; Home Work 25%; Class Attendance 10%; Tests in Class #1-3 each 10%, Final test 10%. Clicker in class extra 10%