

Physics 471 Class Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
January	3 Reading: 1 Intro-1.5	4	5 Reading: 1 Intro-1.5	6 Homework 1	7 James Maxwell (Westover) Reading: 1.6-1.7
	10 Hendrik Lorentz (Nilsen) Reading: 0.2; 2 Intro -2.4	11 Homework 2	12 John Poynting (Jackson) Reading: 2.5-2.A	13 Homework 3	14 Reading: 3 Intro-3.3
	17 Holiday	18 Homework 4	19 David Brewster (Hogan/Wallace) Reading 3.4-3.6	20 Homework 5	21 Augustin Fresnel (Larsen/Konneker) Reading: 4 Intro-4.2
	24 Charles Fabry (Wells) Reading: 4.3-4.5	25 Homework 6	26 Carl Friedrich Gauss (Hart) Reading: 4.6-4.8	27 Homework 7	28 Reading: 5 Intro-5.2
	31 Christian Huygens (Bradham) Reading: 5.3-5.5	1 Homework 8	2 Begin Exam 1 Review	3 Homework 9	4 End Exam 1 No Class
February	7 Michael Faraday (Harper) Reading: 6 Intro-6.2	8 Homework 10	9 Augustine de Coulomb (Bassett) Reading: 6.3-6.4	10 Homework 11	11 Reading: 6.5-6.7
	14 Lord Rayleigh (Nethercott) Reading: 7 Intro-7.2	15 Homework 12	16 Willbrord Snell (Fell) Reading: 0.3, 7.3	17 Start on H13 (due on 22 nd)	18 Reading: 7.4-7.6
	21 Holiday	22 Homework 13	23 Albert Michelson (Richey) Reading: 8 Intro-8.2	24 Homework 14	25 Reading: 8.3-8.4
	28 Thomas Young (Rytting) Reading: 8.5	1 Homework 15	2 Begin Exam 2 Review	3 Homework 16	4 End Exam 2 No Class
	7 Pierre de Fermat (Wyman/Zufelt) Reading: 9 Intro-9.3	8 Homework 17	9 Isaac Newton (Bell) Reading: 9.4-9.6	10 Homework 18	11 Arthur Schawlow (Wook/Jorgenson) Reading: 9.7-9.8
March	14 Albert Einstein (Hoffman) Reading: 10 Intro -10.2	15 Homework 19	16 Joseph von Fraunhofer (Meyer) Reading 10.3-10.5	17 Homework 20	18 Reading: 11 Intro-11.2
	21 Ole Romer (John Smith) Reading: 11.3-11.4	22 Homework 21	23 Andre-Marie Ampere (Eliason) Reading: 11.5-11.6	24 Homework 22	25 Reading: 11.7-11.A
	28 Dennis Gabor (Hecht) Reading: 12 Intro-12.2	29 Homework 23	30 Gustav Kirchoff (Marquez) Reading: 12.3-12.4	31 Homework 24	1 Reading: 13 Intro-13.2
	4 Max Planck (Rock) Reading: 13.3-13.5	5 Homework 25	6 Begin Exam 3 Review	7 Homework 26	8 End Exam 3 No Class
	11 W. C. Roentegen (Byun) Quantum Optics 1	12	13 Galileo Galilei (Suraj) Quantum Optics 2	14	15
April					

Homework

All problems are worth 4 points unless otherwise noted

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| <ul style="list-style-type: none"> 1. P1.2; P1.4; P1.5; L1.10 (8pts); 2. P1.6; P1.8; P1.9(8pts); P2.1; 3. P2.2; P2.6; P2.7; P2.9; P2.10 4. P3.1; P3.2; L3.4(8pts); P3.5; 5. P3.8; P3.9; P3.10; P3.12; P3.15 6. P4.1; P4.3; P4.4; P4.5; P4.6 7. L4.7(8pts); P4.8; P4.10; L4.17 8. P5.2; P5.4; P5.6; L5.7(8pts) 9. Any two problems from R19-R28 | <ul style="list-style-type: none"> 10. P6.1; P6.2; P6.3; P6.4; L6.5 (8pts) 11. P6.6; P6.7; P6.8; L6.9 (8pts); 12. P6.11; P7.1; P7.3; P7.4; P0.25; P0.26 13. P7.5 ; P7.6; P7.7; P7.8; P7.9 14. P8.1; P8.2; P8.3; P8.4; P8.5 15. P8.7; L8.8(8pts); P8.9; R47 16. Any two problems from R40 – R47 17. P9.1; P9.2; P9.3; P9.5; P9.6; 18. P9.7; P9.8; P9.10; L9.11(8pts); | <ul style="list-style-type: none"> 19. P9.13; P9.14; P9.15; P10.3; P10.5 20. P10.6; L10.7(8pts); P10.8; P10.10 21. P11.1; L11.2(8pts); P11.3; P11.6 22. L11.4; P11.7; P11.8; L11.9; L11.10 23. P11.11; P11.12; L11.13(8pts); 24. P12.1; P12.2; P12.4; P12.5 25. P13.1; P13.2; P13.3; P13.4 26. Two from R68 – R74 |
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