

General Physics B, Fall 2020, syllabus and important items

Textbook : Richard Wolfson, Essential University Physics, 4th Edition

Time : Tuesday and Friday , 8:30 am – 9:50 am

Exams : The exams will be unified with the Chinese-speaking classes. They will be held at [8:20 am – 9:50 am](#) at the same place as regular classes. No dictionaries, papers, or personal notes are allowed. You may bring a non-programmable calculator.

Grades :

25 % each for the two mid-term and final exams. 25 % from homework and quiz.

Homework :

The table below lists the problem sets assigned for this class (from the textbook). Log on to the NTHU elearn system to submit your homework. Note that the numbers quoted in the problem sets may be different online, so you need to solve the problems accordingly. The due dates for the problem sets are listed on the elearn system. The rest of the problems are for your own sake. For the mid-term and final exams, these problem sets and examples in the textbook will be used as references. The website of the online homework system is: <https://elearn.nthu.edu.tw/enrol/index.php?id=11034>

Tutorial class :

R313 of the Physics Building, 19:00~21:00 (The exact schedule will be posted on elearn system). In case of the access control at night, please enter the building by Door No.3 (south entrance, near the Mong Man Wai Building).

Other :

Please turn off your cell phones during classes and exams. If you cannot attend the exam, ask for permission beforehand otherwise you will not get any points for that exam (no adjustment at the end of the semester).

Homework :

For the first midterm exam Ch 5: 22, 43, 45, 59, 64, 67, 71, 74 Ch 6: 15, 50, 51, 70, 72, 83, 86, 87	Ch 7: 36, 37, 45, 52, 56, 57, 59, 60 Ch 8: 28, 45, 47, 56, 58, 67, 70, 71 Ch 9: 43, 45, 63, 65, 77, 79, 89, 93
For the second midterm exam Ch 10: 26, 32, 47, 57, 64, 68, 70, 74 Ch 11: 13, 25, 41, 44, 46, 55, 58, 59 Ch 12: 15, 21, 37, 41, 54, 59, 64, 65 Ch 13: 16, 51, 56, 63, 65, 70, 74, 77 Ch 14: 15, 31, 35, 56, 59, 67, 74, 76 Ch 32: 29, 42, 51, 54, 57, 63, 67, 72	For the final exam Ch 15: 22, 44, 48, 56, 61, 62, 68, 74 Ch 16: 21, 27, 34, 48, 61, 64, 66, 76 Ch 17: 16, 39, 52, 57, 61, 66, 73, 75 Ch 18: 26, 43, 48, 53, 54, 59, 62, 67 Ch 19: 24, 39, 42, 47, 54, 60, 64, 67

Schedule

week	date	chapter	covered material
1	09/15	Ch 1 - 5	(1) Introduction
	09/18		(2) Significant figures
2	09/22		Ch 6
	09/25	Work, Energy, and Power	
3	09/29	Ch 7	Conservation of Energy
	10/02	holiday	
4	10/06	Ch 8	Gravity
	10/09	holiday	
5	10/13	Ch 8	Gravity
	10/16	Ch 9	Systems of Particles
6	10/20		
6	10/23	Ch 10	Rotational Motion
	7	Quiz or makeup class	
7	10/27	Quiz or makeup class	
	10/30	First midterm exam (Ch 5 – 9)	
8	11/03	Ch 10	Rotational Motion
	11/06	Ch 11	Angular Momentum
9	11/10	Ch 12	Static Equilibrium
	11/13	Ch 13 Ch 14	Oscillatory Motion Wave Motion
10	11/17		
11	11/20	Ch 32	Interference and Diffraction
	11/24		
12	11/27	Quiz or makeup class	
	12/01	Quiz or makeup class	
13	12/04	Second midterm exam (Ch 10 – 14, 32)	
	12/08	Ch 15	Fluid Motion
12/11			
14	12/15	Ch 16 - 19	Thermodynamics
	12/18		
15	12/22		
	12/25		
16	12/29		
	01/01		
17	01/05		
	01/08	Quiz or makeup class	
18	01/12	Final exam (Ch 15 – 19)	

Tuesday Friday