

# Syllabus for General Physics

Fall 2022

**Course:** General Physics (普通物理學)

**Instructor:** Chin Shan Lue (呂欽山)

**Class Hours:** Tuesday 9:10 – 10:00 am & Friday 10:10 – 12:00 am.

**Textbook:** *Principles of Physics, Eleventh Edition, by Halliday, Resnick, Walker*

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**Grading:** A tentative grading scheme for the course is: Presence 10%, Quiz 10%, Midterm 2 × 25%, and Final 30%. Exam grads may be "curved" to make the resulting score distribution accurately reflect the class performance.

## Tentative Schedule:

W	Date	Chapter	Quiz & Homework Assignment
1	09/06,	1 Measurements	
2	09/13, 09/16	2-4 Vectors & Kinematics	
3	09/20, 09/23	5-6 Forces and Motion	
4	09/27, 09/30	7 Work and Kinetic Energy 8 Potential Energy	Quiz-1
5	10/04, 10/07	9 Center of Mass & Linear Momentum	
6	10/11, 10/14	<i>Midterm-I (10/14)</i>	<i>Ch.1-Ch.9</i>
7	10/18, 10/21	10 Rotation	
8	10/25, 10/28	11. Rolling, Torque, and Angular Momentum	Quiz-2
9	11/01, 11/04	12 Equilibrium	Quiz-3
10	11/08,	13 Gravity	Quiz-4
11	11/15, 11/18	14 Fluids	
12	11/22, 11/25	<i>Midterm-II (11/25)</i>	<i>Ch.10-Ch.14</i>
13	11/29, 12/02	15 Oscillations	
14	12/06, 12/09	16-17 Waves	Quiz-5
15	12/13, 12/16	18 First Law of Thermodynamics	Quiz-6
16	12/20, 12/23	19 Kinetic Theory of Gases	Quiz-7
17	12/27, 12/30	20 Second Law of Thermodynamics	
18	01/06	<i>Final Exam (01/06)</i>	<i>Ch.15-Ch.20</i>