

General Physics Experiment II - Syllabus

Fall semester 2023

Course information

Code	Title	Credit	Coordinator
PHYS162	General Physics Experiment II	1	Office of General Physics (<i>KPOP</i> ^ℓ Collaboration)

Course objective: Carry out fundamental laboratory experiments involving electromagnetism, electric circuit, and optics.

Prerequisites: None.

Textbook: *KPOP*^ℓ Physics Experiment **B** (Version 2023)

Reference: *KPOP*^ℓ Physics **Y** (Version 2022)

Course Policies (Optional)

All courses are taught off-line.

Evaluation : [15 points per class] × [9 classes] + [orientation 1 points per class] × [2 classes] = [137 points total]

A student should upload his/her (team) digital experiment report and discussion answers in the Blackboard system every class hour. (**Paperless, no homework, and no Mid/Final exam**)

The number of warnings	Penalties
3 ~ 5	one-step downgrade
6 ~ 9	two-step downgrade
10 or more	F

If the number of absences is 3 or more, the grade will be F.

Tentative Course Outline

Week	Dates	ACTIVITIES	Comments
W1	09/01 ~ 09/08	ORIENTATION	OT: 9/1 for Fri. KOREA-YOSEI RIVALRY (8 ~ 9)
W2	09/11 ~ 09/15	B1: Measurement and Analysis	
W3	09/18 ~ 09/22	B2: E	
W4	09/25 ~ 09/29	SETUP	No class

W5	10/02 ~ 10/06	B3: τ_{RC}	Holiday 10/2~3, No class for Mon. and Tue.
W6	10/09 ~ 10/13	SETUP	No class, B3 for Tue.
W7	10/16 ~ 10/20	B4: \mathcal{E}_{emf}	B3 for Mon.
W8	10/23 ~ 10/27	MIDTERM PERIOD (10/20 ~ 10/26)	No class, B4 for Mon.
W9	10/30 ~ 11/03	B5: τ_{RL}	
W10	11/06 ~ 11/10	B6: ω_{LC}	
W11	11/13 ~ 11/17	SETUP	No class
W12	11/20 ~ 11/24	B7: APPLICATIONS	
W13	11/27 ~ 12/01	B8: c	
W14	12/04 ~ 12/08	B9: Light Waves	
W15	12/11 ~ 12/15	FINAL ORIENTATION	
W16	12/18 ~ 12/21	FINAL-EXAM PERIOD (12/15 ~ 12/21)	No class