

Experiments in PHY294Lab

- ✓ Room 234 is a Resource Centre. The experiments assigned to this room have to be taken out as parts at the beginning of a session and set up in the other lab rooms.
- ✓ The number of weights is the number of 3-hour lab sessions needed to perform an experiment.
- ✓ To get 4 required weights, you must pick up experiments you didn't do or start doing in PHY293Lab.

Section	Title	Weights	No. copies	Room	TAs
Oscillations, Waves and Optics	Wave Phenomena	2	3	234,225	HH, CB
	Slinky Waves	2	2	230	HH, CB
	Velocity of Ultrasonic Waves in Water (Debye-Sears Method)	1	2	221E	HH, CB
	Interference and Diffraction	1	3	221	AP, NLG
	Polarization of Light	2	2	221E	AP, NLG
	Interferometers	2-3	2	234,221E	AP, NLG
	Microwaves	2	1	229	TW, JC
	Holography write-up and Video	1	2	234,221C	TW, JC
Electricity and Magnetism	Hall Effect	2	2	234,230	TW, JC
Fundamental Constants, Classic Experiments	Charge to mass ratio for electron (e/m)	1	3	240	AP, NLG
	Rydberg Constant (R)	1	2	221E	AP, NLG
	Millikan Experiment (digital camera)	2	1-2	221D	TW, JC
	Millikan Experiment (visual method)		1-2		
Quantum Physics	Photoelectric Effect	1	2	234,221D	TW, JC
	Zeeman Effect (Technical Info p.1-2 ; p.3-4)	2	1	240	AP, NLG
	Electron Spin Resonance (ESR)	2	2	234	AP, NLG
	Blackbody Radiation	1	2	221	HH, CB
	Quantum states and spectra	1	2	230	AP, NLG
	Electron Diffraction	1	1	221B	TW, JC
	Frank-Hertz Experiment	1	3	221B	TW, JC
	Radioactivity in Air	2	1	235	TW, JC
Thermal Phenomena, Fluids	Motion in Fluids	1	3	234, 225	HH, CB
	Thermal Motion	2	3	229	HH, CB
	Thermal Diffusivity	2	2	229	HH, CB
	Thermoelectricity	3	2	234	TW, JC
	Evaporation of a Silver Film	1	1	234,235	HH, CB

CB – Colin Brandys

JC – Joseph Carter

HH – Haruki Hirasawa

NLG – Noah Lupu-Gladstein

AP – Arthur Pang

TW – Tyler Wizenberg

Initials to the left refer to the Lab Demonstrator supervising an experiment in the morning session 9 -12.

Initials to the right refer to the Lab Demonstrator supervising an experiment in the afternoon session 2 pm – 5 pm.