

# Selected Experiments for PHY224H1F

The list of **all** Second Year experiments is [here](#)

After completing the Python module, you will do a number of projects involving doing an experiment and writing a Python program do fit the data and/or numerically solve equations. The selected experiments are:

| Weights/Location |                         | L0301_TAs | Title   |
|------------------|-------------------------|-----------|---|
| 3                | MP230                   | Paul      | <a href="#">Slinky Waves</a>                          |
| 2                | MP225                   | Paul      | <a href="#">Wave Phenomena</a>                        |
| 2                | MP221E                  | Subin     | <a href="#">Velocity of Ultrasonic Waves in Water</a> |
| 2                | MP221                   | Subin     | <a href="#">Interference and Diffraction</a>          |
| 2                | MP221E                  | Subin     | <a href="#">Polarization of Light</a>                 |
| 3                | Resource Centre (MP234) | Michael   | <a href="#">Currents through LCRs</a>                 |
| 3                | Resource Centre (MP234) | Michael   | <a href="#">Q of Oscillators</a>                      |
| 2                | MP230                   | Matthew   | <a href="#">Pulses in Cables</a>                      |
| 2                | MP220A                  | Matthew   | <a href="#">Current Balance</a>                       |
| 2                | MP235                   | Matthew   | <a href="#">Kater Pendulum</a>                        |
| 2                | MP240                   | Paul      | <a href="#">Air Gyroscope</a>                         |
| 1                | MP240                   | Michael   | <a href="#">Charge to mass ratio for electron</a>     |
| 2                | MP221D                  | Michael   | <a href="#">Millikan Experiment</a>                   |
| 2                | Resource Centre (MP234) | Paul      | <a href="#">Radius of Earth</a>                       |
| 2                | MP221D                  | Matthew   | <a href="#">Photoelectric Effect</a>                  |
| 2                | Resource Centre (MP234) | Subin     | <a href="#">Electron Spin Resonance</a>               |
| 2                | MP221                   | Matthew   | <a href="#">Blackbody Radiation</a>                   |
| 2                | MP235                   | Paul      | <a href="#">Radioactivity in the Air</a>              |
| 2                | MP234                   | Subin     | <a href="#">Thermal Motion</a>                        |
| 2                | MP225                   | Michael   | <a href="#">Motion in Fluids</a>                      |

## Notes:

Experiments above **cannot** be split. You have to complete the whole experiment in order to get the weights listed for it.

Use the weights numbers (1 weight =3 lab hours) from the table above