

PHY2212K Fall 2017 Lab Schedule

| Days | Read this Textbook Chapter | Tutorial | Homework due This Day | Experiment Number | Experiment |
|---------------------------|-----------------------------------|--|------------------------------|--------------------------|--|
| August 21-24 | | Assessment | | | Excel Skills Refresher |
| August 28-31 | 20,21 | Superposition and reflection of pulses | | 1 | Speed of Waves on a String |
| September 4-8 | | No Tutorial | | | No Labs |
| September 11-14 | 21 | Reflection and transmission | p. 113 #1 and 2 | 2 | Superposition of Waves on a String |
| September 18-21 | 22 | Two source interference | p. 119 # 1 and 2 | 3 | Double Slit Interference |
| September 25-28 | 23 | Plane mirrors | p. 145 # 1 and 2 | 4 | Index of Refraction and Total Internal Reflection |
| October 2-5 | 23,24 | Convex lenses | pp. 133-134 # 1 and 2 | 5 | Lenses and Ray Tracing |
| October 9-12 | 25 | Charge | pp. 139-140 # 1 and 2 | 6 | Electric Charge and Force |
| October 16-19 | 26,27 | Electric field and flux | pp. 75-76 #1, 2, and 3 | 7 | Electric Field |
| October 23-26 | 28,29 | Electric potential difference | pp. 79-81 # 1 and 3 | 8 | Electric Potential Energy and Electric Potential |
| October 30- November 2 | 30,31 | Model for circuits I | p. 91 # 1 and 2 | 9 | Electric Current, Resistance, and Voltage in Simple Circuits |
| November 6-9 | 31 | RC circuits | pp. 101-102 # 1 and 2 | 10 | DC and RC Circuits |
| November 13-16 | 32 | Magnets and magnetic fields | p. 103 # 1 | 11 | Magnetic Fields |
| November 20-24 | | No Tutorial | | | No Labs |
| November 27-30 | 32 | Magnetic interactions | pp. 105-106 # 1 and 2 | | Assessment |