

## **Exp. P- 6    Blackbody radiation**

### **References:**

- Hecht, "Optics", pp. 581-586.
- Lab manual (Feb 19 update)
- (PASCO Experiment Description)

### **Objective:**

*To measure the visible and infrared emission spectrum from a blackbody radiator at various temperatures.*

### **Equipment:**

PASCO experimental blackbody apparatus:

- blackbody radiation source
- high-intensity or broadband optical sensor
- prism spectrometer
- electronic sensor readout

PASCO Capstone data acquisition software

### **Instructions:**

1. Follow the procedures in the Feb 2019 lab manual.