Instructions:

* Replace the highlighted areas in yellow above with your own name, section and group numbers and correct dates,
* Watch lab demo video and review related materials in lecture notes, lab manual and other related documents,
* Provide your best answers to the following questions. Add pages as needed,
* Convert this Word worksheet sheet into pdf format and submit to Canvas.

**1.** In your own words, state the following about this lab: (1) the objectives (5 points), (2) the key concept learned and its benefit (10 pts).

**2.** (5 pts each) In your own words, describe the functionality of the following components of the PASCO tool kits: (1) wave driver, (2) load cell, (3) motion sensor, and (4) displacement sensor.

**3**. (5 pts each) Continuing from 2., based on the lab manuals state the operation specifics and any particular “pitfalls” associated with each of the components that you will need to pay attention to.

**4**. (10 pts) As you have heard, this lab will be the “term project” of the course and will be heavily weighted. Based on the lab manuals, what are the criteria for grading?

**5.** (15 pts) Following 4., what are the project topic and working plan and scope you (or your group if a consensus has been reached) are considering (to earn you a perfect score)?

Total 80 points

Answers: