# MSOE EECS Department
# SE3910: Week 5 Lab Grading Checklist
# Dr. Yoder          Names:

| Item | Points |
|---|---|
| Example "selfie" taken by your BeagleBone's camera | / 2 |
| Screenshot of oscilloscope capture used to measure **capture latency** latency. Be sure to indicate **which signals** you are measuring, **what resolution** you are measuring, and the **value of the latency** you measured. | / 2 |
| Screenshot of oscilloscope capture used to measure **file write** latency. Include the same items as the previous screenshot. | / 3 |
| **In-lab demonstration** of latency measurement and image on screen. | / 1 |
| **PNG**: Filled in at least two rows of the table below, including units | / 3 |

| Resolution | Capture time [Units] | File write time [Units] | Size [Units] |
|---|---|---|---|
| 320x240 | [time] | [time] | [size] |
| [dimensions] | [time] | [time] | [size] |
| [dimensions] | [time] | [time] | [size] |
| 1920x1080 | [time] | [time] | [size] |

**Figure 1:** Timing measurements for PNG format

| | |
|---|---|
| **JPG**: Filled in at least two rows of the table below, including units | / 3 |

| Resolution | Capture time [Units] | File write time [Units] | Size [Units] |
|---|---|---|---|
| 320x240 | [time] | [time] | [size] |
| [dimensions] | [time] | [time] | [size] |
| [dimensions] | [time] | [time] | [size] |
| 1920x1080 | [time] | [time] | [size] |

**Figure 2:** Timing measurements for JPG format

| Item | Points |
|---|---|
| **Plot** of four curves, with all combinations of png or jpg format, and capture time or write time, from your data above | / 3 |
| Conclusions: Write what have you learned with this experience | / 2 |
| Comments on the lab, either positive or suggestions for improvement. | / 1 |
| **Total** | / 20 |

- **Staple** this lab cover sheet on top of all the materials you are submitting.
- Submit your work in the **order** listed above.
- Submit any additional supporting materials you created while working the lab where they fit best in your report.

- Demo is due during the lab period. Lab packet is due by 9 AM the day after the lab is performed. You may do your (late) demonstration after submitting your lab packet if necessary. There is a 1 point per day late penalty on the demo. Maximum late penalty per day is 2 points.