**“Student Lab evaluation:** The Students will be evaluated by writing up lab **books**. These will be four to five pages long and be worth UP TO 25 points each.” The grading rubric will be as follows:

**Page formatting (1 pt):**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Page number | Date | Experiment number |
|  |  |  |  |

**First Page (2 pts):**

|  |  |  |
| --- | --- | --- |
| Experiment title |  |  |
| Hypothesis |  |  |
| Introduction paragraph |  |  |
| explains the background behind the experiment |  |  |
| A least one citation |  |  |
|  |  |  |

**Methods (5 pts):**

|  |  |  |
| --- | --- | --- |
| Must be very detailed |  |  |
| Explain the experiment fully |  |  |
| Calculations must be shown |  |  |
|  |  |  |

**Results (8 pts):**

|  |  |  |
| --- | --- | --- |
| Written explanation of the data |  |  |
| Refers to any tables or graphs |  |  |
| Tables and graphs must be numbered |  |  |
| Tables and graphs must have a detailed legend |  |  |
|  |  |  |

**Conclusion (8pts):**

|  |  |  |
| --- | --- | --- |
| Assessment of the outcome of the experiment |  |  |
| Hypothesis was found to be true or false |  |  |
| Must fully explain the data |  |  |
| Draw from information in the introduction |  |  |
| At least two citations |  |  |
| Contain comments on potential errors |  |  |
| Improvements in the experimental design. |  |  |
|  |  |  |

**References (1pts**

|  |  |  |
| --- | --- | --- |
| Correctly formatted (APA for lab A) |  |  |