

LAB NOTEBOOK GRADING RUBRIC

CATEGORY	Proficient (4-5)	Developing (2-3)	Basic (0-1)
Organization	<ul style="list-style-type: none"> All pages are numbered and dated. Each experiment contains title, purpose, brief procedure or reference to lab manual. Observations, recorded data and calculations are present. All information recorded in pen not pencil. Experiment listed in table of content. 	<ul style="list-style-type: none"> Most pages are numbered and dated. Some of the experiments are missing one or two of the following: title, purpose, brief procedure or reference to lab manual. Recorded data and observations are incomplete in some areas. Some of the information is recorded in pencil. Some experiments are not recorded in table of content. 	<ul style="list-style-type: none"> Most pages are not numbered and dated. Most of the experiments are missing several of the following: title, purpose, brief procedure or reference to lab manual. Recorded data and observations are incomplete in most areas or not present. All information is recorded in pencil. Most experiments are not recorded in table of content.
Content	<ul style="list-style-type: none"> All observations are recorded completely. All data is recorded and neatly presented with units to the correct number of significant figures. All calculations are included and neatly presented with details including units and significant figures. 	<ul style="list-style-type: none"> Observations are not complete and missing important details. Data is recorded, but is not presented neatly or some are missing units or the correct number of significant figures. Calculations are included, but are not presented neatly or missing details including units and significant figures. 	<ul style="list-style-type: none"> Observations are mostly missing. All data is not recorded and not neatly presented with missing units and have incorrect number of significant figures. Calculations are not included or are very sparse with no units and incorrect significant figures.
Analysis	<ul style="list-style-type: none"> Data is explicitly analyzed, methods of analysis are described with appropriate detail. Calculations are presented neatly. Graphs, if appropriate, are included with analysis of slope and related information. Sources of error are explored and considered when evaluating data. 	<ul style="list-style-type: none"> Data analysis is implied, but not explicit, and methods of analysis are not described or properly used. Calculations are not complete. Graphs, if appropriate, are included, but they are done incomplete or incorrect. Sources of error are explored, but they are inadequate or incomplete. 	<ul style="list-style-type: none"> Data analysis is not included. Calculations are missing. Graphs, if appropriate, are missing or grossly incorrect. Sources of error are not explored.
Conclusion	<ul style="list-style-type: none"> Results are explicitly interpreted and compared with literature data and/or concepts discussed in lecture. Conclusion is written in coherent manner with proper English syntax. 	<ul style="list-style-type: none"> Superficial and immediate conclusions are recorded. Results are interpreted but interpretation is not explicit. Conclusions are not written coherently and contain some spelling or grammatical errors. 	<ul style="list-style-type: none"> Conclusions are not logical and/or do not agree with data presented. Conclusions are written in non-coherent manner with many spelling and grammatical errors.