

## Bioanalytical Instrumentation Laboratory Report Grading Rubric

NAME: \_\_\_\_\_

Lab \_\_\_\_\_

DATE: \_\_\_\_\_

		Comments	Grade
<b>Title:</b> 1. Clearly identifies the research question to be studied.			
<b>Introduction:</b> 1. Provides background information on the theoretical problem (not real world associations). 2. Identifies clear statement of the nature of the problem and why we are studying it. 3. Discusses the significance of the experiment. 4. Introduces the method of approach to the problem. 5. Must be concise and logically organized.			20 pts
<b>Materials and Methods:</b> 1. Supplies information sufficient to replicate the study 2. Procedures should be clear, thorough and concise in format. 3. Identifies any hazardous materials and methods of handling them. 4. Utilizes paragraph form, past tense, and passive voice (instead of first person, e.g., I, we).			15 pts
<b>Results and Discussion:</b> 1. Constructs tables, equations, charts and figures effectively to present results clearly and concisely. 2. Summarizes relevant data, observations and findings and explains what the results mean. 3. Discusses thoroughly the underlying principles evinced by the experiment. 4. Explains thoroughly, to what extent the experimental results obtained assists in resolving or failing to resolve the initial problem. 5. Utilizes first person plural (e.g., we, ours) when appropriate.			25 pts
<b>Conclusion:</b> 1. Summarizes the main features of the report – the objectives, the findings, and the conclusions. 2. Explains why results support or contradict established concepts. 3. Briefly explains any possible sources of error that are relevant to results. 4. Provides suggestions for additional experiments and studies that could be performed.			5 pts
<b>References:</b> 1. Lists all sources that appear in your lab report			5 pts
<b>Overall Evaluation:</b> 1. Illustrates an accurate and thorough understanding of scientific concepts underlying the lab. 2. Entire report is cohesive and is in accord with the common theme.			5 pts
		<b>75 points maximum</b>	<b>TOTAL =</b>