

Assessment Plan

Name of Academic Degree Program

2005-2006

TTUHSC Mission:

The mission of the TTUHSC is to improve the health of people by providing educational opportunities for students and health care professionals, advancing knowledge through scholarship and research, and providing patient care and service.

Academic Program Mission Statement: (Statement about the purpose/goals of your academic degree program)

Analysis (see Analysis form below)

Expected Student Learning Outcome What knowledge, skills & abilities should students gain as a result of engaging in our academic program?	Link to the TTUHSC Strategic Plan	Measure (Method of Assessment) What will provide us with evidence that students have achieved the desired outcome?	Target Level (Criteria for Success) What level of performance is acceptable?	Findings (Assessment Results) Did the assessment method measure the outcome? To what extent was the outcome met?	Action Plan (Use of Results) How will the findings be used to improve our academic program?
7. Demonstration of professional attitudes and values such as workplace ethics and lifelong learning.		7a. Completion of the case analysis in the RCR Course. 7b. Mentor conducts periodic review of lab notebook (which protects TTUHSC's patent rights) 7c. Departmental conferences with students if exhibit unethical behavior	100% of GSBS students will score 80% or better using the case analysis rubric Lab notebook meets acceptable standard of rubric No student conferences		

Graduate School of Biomedical Sciences
 Lab Notebook Scoring Rubric

Date:

Evaluator:

Student:

OBJECTIVE:	Novice	Apprentice	Exemplary
<u>Organization:</u> Organize lab notes effectively	Pages not numbered or dated	Most pages are numbered and dated	All pages numbered and every section is dated
	No Titles or Headings	Titles and Headings are clearly marked in most experiments	Each experiment has a title, goal, method, result and conclusion
	Table of contents is missing	Table of contents is mostly up-to-date and complete	Table of contents lists date, experiment title and page numbers for each experiment
<u>Content:</u> Describe materials and methods used and document results	Methods are incompletely described	Methods and materials are described in most experiments	One could repeat the experiment from the methods described
	Results are not included	Most figures and tables are included	all figures and tables are included accompanied by titles and legends
	Observations are not recorded	Observations are noted	Observations are carefully recorded
<u>Analysis:</u> Describe data analysis	Data analysis is not described or included	Data is analyzed, but the methods used may not be fully described	Data analysis is complete with sample calculations written out in full
	No error analysis	Error analysis is qualitative	Final results are accompanied by error estimates
<u>Interpretation:</u> Reach a conclusion	Conclusions are not documented	Immediate thoughts are recorded for most experiments	Results are interpreted in the context of the hypothesis being tested

Lab Notebook Scoring Rubric

Name:

	Needs improvement	Satisfactory	Excellent
<u>Writing:</u> Demonstrate effective technical writing	Poor spelling	Most words are spelled correctly	Text is error-free
	Tense is inconsistent	Tense is mostly consistent	Observations and experimental sections are related in the past tense; conclusions are related in the present tense
	Voice jumps between first, second, and third person	Voice is mostly consistent	First person pronouns are used only for special emphasis
	Text is difficult to read	Writing is mostly clear and concise	Text is clear, concise, and easy to read
<u>Introduction:</u> Identify the testable hypotheses	Hypothesis is missing from the introduction or an untestable/irrelevant hypothesis is misidentified	A testable hypothesis is identified	Testable hypotheses) are stated in clear and compelling text
<u>Experiment:</u> Describe materials and methods used and document results	Methods are incompletely described or too much detail is included	Completeness and efficiency are balanced to some degree in the Methods sections	Method description achieves an appropriate balance between completeness and efficiency
	Results are not included or figures and tables are confusing	Figures and tables are clear and effective	Figures and tables are effective and accompanied by titles and legends
<u>Analysis:</u> Describe Data	data analysis is not described or included	data is analyzed, but the methods used may not be fully described	data analysis is complete and could be reproduced by someone
	No error analysis or an inappropriate emphasis on error analysis	Qualitative error analysis is included where appropriate	Final results are accompanied by error estimates where appropriate
<u>Discussion:</u> Interpret the results and reach a conclusion	Conclusions are missing or may be stated without any supportive arguments	A conclusion is reached but the reader may not be completely persuaded	Results are interpreted in the context of the hypothesis being tested and a persuasive conclusion is achieved