

**The University of Texas MD Anderson Cancer Center UTHealth
Graduate School of Biomedical Sciences**

EVALUATION OF THE M.S. DEFENSE PERFORMANCE

The attached evaluation has been formulated and approved for use by the GSBS standing committees in an effort to assist students and faculty alike. The evaluation should be of assistance to students since they will provide guidelines as to what will be expected of students by faculty during their defense. The evaluation should be of assistance to faculty in that they will provide guidelines for assessing student performance during the defense. They are by no means the only criteria by which students may be assessed, and they are not intended to specifically dictate to faculty how to assess student performance.

After the Defense, the completed evaluation should be submitted to the GSBS Office of Academic Affairs along with the Results of the Defense form. **The Advisory Committee submits one form that reflects the composite decision of the entire Advisory Committee.**

The evaluation is intended to be advisory. The final decision regarding the defense is to be made by the faculty serving on the defense committee. The outcome of the defense should, however, reflect the scores noted on the evaluation.

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Evaluation of the M.S. Defense

Student Name: _____

Chair of Defense: _____

Date of Defense: _____

	Poor (1)	Developing (2)	Good (3)	Outstanding (4)	Score
Knowledge	<input type="checkbox"/> Limited breadth or depth of understanding of the area of study; <input type="checkbox"/> Limited ability to apply information learned in another context to issue(s) at hand; <input type="checkbox"/> Unaware of implications of project to general biomedical sciences.	<input type="checkbox"/> Sufficient breadth or depth (but not both) of the subject; <input type="checkbox"/> With prodding could apply information from another context to project at hand; <input type="checkbox"/> Limited understanding of implications.	<input type="checkbox"/> Sufficient breadth and depth of understanding; <input type="checkbox"/> With some help, could apply information from another context to the project; <input type="checkbox"/> Sufficient understanding of the implications.	<input type="checkbox"/> Solid breadth and depth of knowledge; <input type="checkbox"/> Able to integrate information from multiple sources; <input type="checkbox"/> Excellent grasp of broader implications of project.	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Hypothesis and Aims	<input type="checkbox"/> No hypothesis provided; <input type="checkbox"/> No rationale for hypothesis; <input type="checkbox"/> Aims unfocused; <input type="checkbox"/> Each aim is simply a single experiment; <input type="checkbox"/> Aims interdependent; <input type="checkbox"/> Aims not related to hypothesis.	<input type="checkbox"/> Hypothesis is imprecise/poorly stated, no understanding of need for hypothesis; <input type="checkbox"/> Significance of hypothesis is unclear; <input type="checkbox"/> Individual aims are focused, but don't clearly address the hypothesis.	<input type="checkbox"/> Hypothesis is well-stated with adequate rationale; <input type="checkbox"/> Significance of hypothesis is clear and well-stated; <input type="checkbox"/> Aims are generally sufficient to address the hypothesis but need some modification.	<input type="checkbox"/> Can clearly describe the significance, rationale and novelty of the hypothesis; <input type="checkbox"/> Well-conceived aims that directly and completely address the hypothesis.	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Experimental Approach and Results	<input type="checkbox"/> Experimental design not explained; <input type="checkbox"/> Pitfalls of techniques not understood; <input type="checkbox"/> Results not interpreted or not interpretable.	<input type="checkbox"/> Experiments lack critical controls; <input type="checkbox"/> Theory behind methods not well understood; <input type="checkbox"/> Poor choices of approaches; <input type="checkbox"/> Limited understanding of pitfalls of methods; <input type="checkbox"/> Interpretation of data and discussion of results lack depth.	<input type="checkbox"/> Experiments relevant to the aims; <input type="checkbox"/> Experiments well-designed but need more quantitative analysis; <input type="checkbox"/> Some results not clear – need alternate approaches; <input type="checkbox"/> Interpretation consistent with data.	<input type="checkbox"/> Experiments well-designed with appropriate controls and proper analysis; <input type="checkbox"/> Understands the theory and practice of the methods; <input type="checkbox"/> Indicates pitfalls and uses alternate methods; <input type="checkbox"/> Results clearly explained.	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Communication	<input type="checkbox"/> Thesis did not follow the standard format; <input type="checkbox"/> Grammatical errors and misspellings; <input type="checkbox"/> Poor oral presentation; <input type="checkbox"/> Did not understand the questions or did not address the question asked; <input type="checkbox"/> Poor English language skills.	<input type="checkbox"/> Sub-standard writing resulting in lack of clarity; <input type="checkbox"/> Oral presentation was clear, but student read the slides; <input type="checkbox"/> Understood most of the questions but provided only partial answers; <input type="checkbox"/> Spoken English was, for the most part, understandable.	<input type="checkbox"/> For the most part well written, but some discontinuities; <input type="checkbox"/> Clear and focused oral presentation; <input type="checkbox"/> Understood questions and provided adequate answers; <input type="checkbox"/> Spoken English was readily understood.	<input type="checkbox"/> Thesis clearly written in the appropriate format; <input type="checkbox"/> Poised and polished in the oral presentation; <input type="checkbox"/> Understood the questions and provided clear, thorough, engaging answers; <input type="checkbox"/> Engaged the committee in a collegial discussion; <input type="checkbox"/> Took the proposal to a higher level.	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Technical Skills	<input type="checkbox"/> Does not understand theory behind techniques; <input type="checkbox"/> Cannot (does not) follow standard lab protocol; <input type="checkbox"/> Generates irreproducible data.	<input type="checkbox"/> Has difficulty applying the theory to troubleshooting; <input type="checkbox"/> Deviates from standard lab protocol on occasion; <input type="checkbox"/> Experiments repeated multiple times to generate reproducible data.	<input type="checkbox"/> Can troubleshoot most problems; <input type="checkbox"/> Deviates from standard protocols on occasion, but documents deviation; <input type="checkbox"/> Data are reproducible.	<input type="checkbox"/> Understands theory behind techniques and is excellent at troubleshooting; <input type="checkbox"/> Correctly follows standard lab protocols, or documents deviations; <input type="checkbox"/> Data are highly reproducible.	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4