



GRADUATE PROGRAM IN PHARMACEUTICAL SCIENCE
MS THESIS EXAMINATION EVALUATION FORM
 (Approved by GPC March 2014)

STUDENT NAME: _____ COMMITTEE MEMBER: _____ DATE OF EXAMINATION: _____

Learning Outcomes	Indicators	Level of Achievement 1=Low; 5=High (Circle one)
<p>Acquire expert knowledge of biological, chemical, and analytical processes related to pharmaceutical sciences.</p> <p>Master a field of scholarship related to a specific research topic.</p>	<p>Student demonstrates mastery of skills necessary to conduct a thorough literature review.</p> <ul style="list-style-type: none"> • Familiarity with information retrieval resources (computer literacy, database searching, use of internet, library resources) • Ability to conduct an effective literature search. • Ability to identify and analyze major contributions to the field. 	<p>1 2 3 4 5 NA</p>
	<p>In any written work:</p> <ul style="list-style-type: none"> • Major contributors to the field are included in the bibliography • Landmark papers are identified and are cited in the appropriate context • Background section conveys understanding of major contributions, the questions that have been addressed, and how these contributions have resulted in the current status of the field 	<p>1 2 3 4 5 NA</p>
	<p>Student demonstrates knowledge and understanding of the topic that is appropriate for their experience and level of education:</p> <ul style="list-style-type: none"> • Major contributors to the field are identified along with their contributions. • Student demonstrates knowledge and understanding of recent advances in the field, as well as who contributed what work and why it was important. • Student is able to explain the evolution of thinking in the field in a way that is clear and understandable to scientists not familiar with the work. 	<p>1 2 3 4 5 NA</p>
<p align="center">Meets or Exceeds the Standard</p> <p align="center"><input type="checkbox"/></p>	<p align="center">Partially Meets the Standard</p> <p align="center"><input type="checkbox"/></p>	<p align="center">Does Not Meet the Standard</p> <p align="center"><input type="checkbox"/></p>

Learning Outcomes	Indicators	Level of Achievement 1=Low; 5=High (Circle one)
<p>Use the scientific method to generate, analyze, and interpret scientific data relevant to the identification, analysis, and use of therapeutic agents.</p> <ul style="list-style-type: none"> • Generate mechanistic hypotheses based on prior evidence • Derive specific predictions that are hypothesis driven • Plan detailed experimental procedures that test specific predictions • Gather data via experimentation • Appropriately analyze and interpret data . 	<p>Student demonstrates the ability to identify an important research question:</p>	<p>1 2 3 4 5 NA</p>
	<ul style="list-style-type: none"> • Significant research issues and aims are identified in relation to an appropriate research context and an appropriate body of theory and knowledge • The student has derived from the aforementioned issues a set of scholarly questions. 	<p>1 2 3 4 5 NA</p>
	<p>Student demonstrates the ability articulate a mechanistic hypothesis and an approach for testing the hypothesis</p>	<p>1 2 3 4 5 NA</p>
	<ul style="list-style-type: none"> • Hypothesis is clearly stated and asks a ‘how’ or ‘why’ question. • Predictions follow logically from the hypothesis and are testable. 	<p>1 2 3 4 5 NA</p>
	<p>Student demonstrates the ability design a detailed experimental plan which:</p>	<p>1 2 3 4 5 NA</p>
<ul style="list-style-type: none"> • Tests specific predictions • Demonstrates appropriate knowledge and use of the latest or the most appropriate research methodologies and analytical techniques • Is likely to produce/has produced definitive, interpretable results 	<p>1 2 3 4 5 NA</p>	
<p>Meets or Exceeds the Standard</p>	<p>Partially Meets the Standard</p>	<p>Does Not Meet the Standard</p>
<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>

