

Department of Chemistry Evaluation of Student Performance on the M.S. Comprehensive Exam and on the M.S. Thesis

Name of Student: _____

Name of Evaluator: _____

Date: _____

Rating Scheme:
4 – Highly Competent
3 – Competent
2 – Minimally Competent
1 – Not Competent

This data will be used for assessment and programmatic evaluation purposes.

THESIS DEFENSE

Learning Objectives	Score	Comments
1. The student will learn fundamental principles at an advanced level in selected areas in chemistry. (Did the student demonstrate a clear grasp of basic concepts in his/her research field?)		
2. The student will be able to conduct independent research. (Can the student confidently defend his/her key experimental results and propose future directions? Did the student have clearly stated objectives? Is the student able to place them in context of the research field and demonstrate an understanding of his/her own contributions to that field?)		
3. The student will be able to communicate technical material effectively in speaking and writing. (Was the presentation at an appropriate graduate school level? Was the presentation logically organized? Was the presentation delivered confidently and clearly and was the presenter engaged with the audience?)		
4. The student will be able to critically analyze a breadth of chemical problems and experimental results. (Was the data analyzed appropriately? Did the student present deductions and conclusions that were supported by the data? Did the conclusions adequately address the original research objective?)		

Rating Scheme:
 4 – Highly Competent
 3 – Competent
 2 – Minimally Competent
 1 – Not Competent

WRITTEN THESIS

Learning Objectives	Score	Comments
<p>1. The student will be able to conduct independent research. (Can the student confidently defend his/her key experimental results and propose future directions? Did the student have clearly stated objectives? Is the student able to place them in context of the research field and demonstrate an understanding of his/her own contributions to that field?)</p>		
<p>2. The student will be able to communicate technical material effectively in speaking and writing. (Does the thesis effectively convey information? Is there a logical organization of chapters and a clear progression of the background, objective, experimental approach, results and conclusions?)</p>		
<p>3. The student will be able to utilize chemical information sources. (Did the student include relevant and up to date references? Did he/she demonstrate and understanding of the current literature in this field?)</p>		
<p>4. The student will be able to critically analyze a breadth of chemical problems and experimental results. (Was the data analyzed appropriately? Did the student present deductions and conclusions that were supported by the data? Did the conclusions adequately address the original research objective?)</p>		