

Applied Mathematics PhD Dissertation and Defense Evaluation Rubric

Name of Student

Email of Student (The student will automatically get your rating report though email if you fill this in. If you would prefer that the student not receive this feedback, please leave this field blank.)

Name of Faculty

Email of Faculty (You will automatically get a report of your responses through email. If you fill this form on behalf of the committee, please list email addresses for each faculty member who should receive a copy of the completed rubric, separated by comma.)

Date (MM/DD/YYYY)

This form is intended to provide a common set of crieteria for the assessment of presentations and oral exams for the advancement to candidacy for the Ph.D.

Please rate each attribute on the following scale: 1 = Excellent, 2 = Good, 3 = Fair, 4 = Poor (failing)

Introduction

	Excellent	Good	Fair	Poor
Identifies an original and meaningful research topic (PhD PLO f)				
Formulates problem clearly and precisely and connects it to physical real-world problems (PhD PLO d)				
Presents the key results of the dissertation and how they address the research problem (PhD PLO a,b,c)				
Provides comprehensive literature review and places research work in proper context (PhD PLO a,b,c,d)				

Please note any additional comments below

Main contribution

	Excellent	Good	Fair	Poor
Identifies appropriate analytical and/or computational approaches to the chosen research problem (PhD PLO a,b)				
Computational methods are described in sufficient detail that numerical experiments could be reproduced (PhD PLO b,e)				

Please note any additional comments below

Results and Analysis

	Excellent	Good	Fair	Poor
The results obtained address the research question (PhD PLO d,f)				
Results are critically evaluated and carefully analyzed (PhD PLO c,e)				
Figures and tables presented are clear and meaningful (PhD PLO c,e)				

Please note any additional comments below

Discussion and conclusions

	Excellent	Good	Fair	Poor
Conveys significance of findings to the field of study (PhD PLO f)				
Discusses the strengths and weaknesses in the work (PhD PLO e,f)				
Conclusions drawn are adequately supported by the results (PhD PLO e,f)				

Identifies potential directions of further research (PhD PLO e,f)				
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Please note any additional comments below

Mechanics

	Excellent	Good	Fair	Poor
Grammatical and spelling errors are sufficiently minor that they do not affect comprehensibility (PhD PLO c)				
Literature citations in the text and bibliography are correct (PhD PLO c,e)				

Please note any additional comments below

Professionalism

	Excellent	Good	Fair	Poor
Dissertation work is conducted and presented in a responsible and ethical manner (PhD PLO e)				

Please note any additional comments below