

Natural Resource Graduate Program Learning Outcomes Assessment Rubric for Oral Presentation (updated 10-27-16)

Instructions: Please bring this form to your graduate student's oral presentation/defense and score them on a scale of 1-5 (see explanation of scale below). Please submit your completed rubric to the CNRS Dean's office (FR 101) or email to cnrsmast@humboldt.edu

Graduate Student Name: _____ Name of Thesis Chair: _____

NR Option (circle one): FWWS Wildlife ENRS Fisheries

Date/time/location of Oral presentation/Defense: _____

Outcome: **Student communicates scientific investigation in oral presentation, using accepted conventions for the discipline.**

CIRCLE the score for each criteria based on the student's oral presentation:

CRITERIA	Not demonstrated	Demonstrated			Mastered
Organization	Presentation poorly organized and suggests minimal preparation 1	2	Presentation was well- organized and reflects adequate preparation 3	4	Presentation organization was excellent 5
Content	Content was not clearly presented and did not reflect adequate scientific rigor 1	2	Content was clearly presented and reflected adequate scientific rigor 3	4	Student is able to clearly communicate complex ideas and outstanding level of scientific rigor 5
Visual Aids	Visual aids absent or of poor quality. 1	2	Effective visual aids 3	4	Outstanding visual aids 5
Speaking Skills	Poor speaking skills 1	2	Adequate speaking for communication to specialized audience 3	4	Excellent speaking skills (eloquence, fluidity, clear communication with audience) 5
Response to questions	Responds with difficulty 1	2	Responds appropriately to questions 3	4	Responds to questions with in-depth answers 5

Natural Resource Graduate Program Learning Outcomes Assessment Rubric for Graduate Written Thesis (updated 10-27-16)

Instructions: Score elements of your graduate student's written thesis on a scale of 1-5 (see explanation of scale below). Please submit your completed rubric to the CNRS Dean's office (FR 101) or email to cnrsmast@humboldt.edu

Name of Graduate Student: _____ Name of Thesis Chair: _____ Date of defense: _____

OUTCOME	Not demonstrated	Demonstrated	Mastered
<p>1. Student carries out a scientific investigation of phenomena in a natural system that includes:</p> <p>a) Formulation and statement of a research question based on literature review</p>	<p>Student's research problem is poorly defined, literature review and research question is inadequate to address problem.</p> <p>1</p>	<p>Student defines research problem, provides an appropriate review of the literature, and states a suitable research question.</p> <p>2</p> <p>3</p>	<p>Student defines a challenging research problem, effectively reviews the pertinent literature, and states an innovative research question suitable to address the problem.</p> <p>4</p> <p>5</p>
<p>b) Design and implementation of study using appropriate quantitative or qualitative methodology</p>	<p>Study design is not adequate to address the research question and/or the methodology is insufficient. Data collection and analysis are inadequate.</p> <p>1</p>	<p>Study design is sufficient for addressing the research question and study employs appropriate methodology. Data collection and analysis are adequate.</p> <p>2</p> <p>3</p>	<p>Study design is elegant and the methodology is innovative or complex. Data collection and analysis are extensive.</p> <p>4</p> <p>5</p>
<p>c) Presentation of research results.</p>	<p>Results are lacking and are poorly presented in tables and figures</p> <p>1</p>	<p>Results are satisfactory and are presented clearly in the text and in tables and figures.</p> <p>2</p> <p>3</p>	<p>Results are comprehensive and presented with exceptional clarity. Tables and figures effectively display complex information in innovative ways.</p> <p>4</p> <p>5</p>
<p>d) Discussion linked to Natural Resources. Articulates relationship of the research results to the physical, ecological, and/or socioeconomic aspects of a problem in the natural environment.</p>	<p>Student does not adequately discuss research results in relationship to the ecological, and socioeconomic implications of their research problem.</p> <p>1</p>	<p>Student adequately discusses research results in relationship to the current literature in their field and applies them to ecological, and socioeconomic implications of their research problem.</p> <p>2</p> <p>3</p>	<p>Student eloquently discusses the relationship of their research results to the current literature in their field and illuminates their results' implications for ecological, and socioeconomic aspects of their research problem.</p> <p>4</p> <p>5</p>
<p>2. Student communicates scientific investigation in writing, using accepted conventions for the discipline.</p>	<p>Thesis is poorly organized. Writing is unprofessional and contains significant errors.</p> <p>1</p>	<p>Thesis is organized and coherently written with only minor errors. Student communicates ideas and technical information in a formal, professional manner.</p> <p>2</p> <p>3</p>	<p>Student meets all conditions in "demonstrated" category. In addition, the thesis is particularly well presented, is sufficient in scope and content for peer-reviewed publication, and contains few errors.</p> <p>4</p> <p>5</p>