APSC Graduate Program PHD Performance Assessment

Seminar date:

Seminar title:

Student:

Student Learning Outcome 1: Students will effectively communicate scientific information (oral)

Assessment	Skill Level 1, needs improvement; 2, average; 3, pros outweigh cons; 4, professional quality.	Meets Expectations Yes/No	Comments or Suggestions
Able to organize ideas			
Convey complex knowledge in an audience-appropriate manner			
Answer questions effectively			

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Advisory committee meeting date:

Student:

Student Learning Outcome 2: Students will effectively communicate scientific information (written)

Assessment	Skill Level 1, needs improvement; 2, average; 3, pros outweigh cons; 4, professional quality.	Meets Expectations Yes/No	Comments or Suggestions
Grammar and technical writing skills appropriate for stage of career			
Familiar with processes related to publication in scientific journals			
Appropriate style and format followed for easy incorporation into a manuscript			
Clear grasp of the problem being address			
Effectively convey the stated hypothesis, design and rationale of the dissertation and/or report			

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Academic year:

Student:

Student Learning Outcome 3: Students will be able to critically evaluate a research topic

Assessment	Skill Level 1, needs improvement; 2, average; 3, pros outweigh cons; 4, professional quality.	Meets Expectations Yes/No	Comments or Suggestions
Comprehensive understanding of the topic			
Demonstrated ability to articulate gaps in knowledge			
Form an opinion on a scientific concept and defend it			
Demonstrate creativity in developing a new hypothesis			
Accept criticism and offer solutions			
Propose alternative approaches to a problem			

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Academic Year:

Student:

Advisor:

Student Learning Outcome 4: Ability to formulate research questions, design and conduct appropriate experiments, analyze and interpret data.

Assessment	Skill Level 1, needs improvement; 2, average; 3, pros outweigh cons; 4, professional quality.	Meets Expectations Yes/No	Additional Comments or Action Plan
Able to apply the scientific method to test ideas/hypotheses			
Familiar with a variety of research designs/ experimental methods			
Able to identify the various sources of experimental error			
Able to record, analyze and interpret data using appropriate statistical methods			
Familiar with ethical guidelines and institutional policies relevant to research conduct, laboratory safety, animal experimentation, & human subjects			

Able to identify the next experiment to support/validate or extend a hypothesis			

Student Learning Outcome 5: Demonstrate professional and technical expertise in the animal sciences.

Assessment	Skill Level 1, needs improvement; 2, average; 3, pros outweigh cons; 4, professional quality.	Meets Expectations Yes/No	Additional Comments or Action Plan
Handling of course work appropriate to professional goals			
Familiar with literature relevant to research focus			
Awareness of contemporary issues in animal science and/or specialty area			
Proficient with technical and professional software (SAS, Prism, MS Office) and specialty software for discipline			

Student Learning Outcome 6: Demonstrate competency with professional writing skills

Assessment	Skill Level 1, needs improvement; 2, average; 3, pros outweigh cons; 4, professional quality.	Meets Expectations Yes/No	Additional Comments or Action Plan
Develop an abstract for presentation at a professional meeting			

Familiar with processes of writing, editing and submission of grants and contracts			
Competent with processes of writing, editing and submission of a peer-reviewed manuscript			

TOTAL SCORE:

AVERAGE SCORE: