APSC Graduate Program MS Performance Assessment

Seminar date:

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			
Able to respond to constructive criticism			
Familiar with processes related to publication in scientific journals			

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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
Able to identify strengths and weaknesses in a scientific paper			
Able to identify problems and provide an alternative solution(s)			

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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			

TOTAL SCORE:

AVERAGE SCORE: