Departments of Anatomy and Physiology, Clinical Sciences, and Diagnostic Medicine and Pathobiology
College of Veterinary Medicine
Kansas State University

Assessment of Student Learning for MS in Veterinary Biomedical Sciences

Student Learning Outcomes (SLO)
- *Abilities to <u>formulate and design a hypothesis-driven research project(s),</u> independently carry out the research methodology, critically analyze the data, and disseminate the research findings in the form of presentations at scientific meetings and peer-reviewed publications.*
- *<u>Professional and technical expertise</u> in their chosen areas of study or disciplines.*
- *Abilities to <u>apply knowledge through critical thinking, to interpret or analyze and integrate information,</u> to respond and adapt to changing situations, to make decisions, to solve problems, and to evaluate actions.*
- *Effective <u>oral and written communication skills</u>.*

MS Students in the Program

Academic Year	No. of students in the Program	No. of students matriculated	No. of students graduated	No. of students discontinued[a]
2016-2017	80	24	18	1
2017-2018	90	29	19	8
2018-2019	92	29	15	3
2019-2020	125[b]	51	13	6

[a] Includes students that switched from MS to the PhD program.
[b] Includes 26 students admitted to the one-rear accelerated MS program.

Assessment tools
1. Student's self-progress report (Student form 1)
2. Major professor's evaluation of the student's progress with regard to program's SLOs (Faculty form 1)
3. Student's self-evaluation of the progress with regard to program's SLOs (Student form 2)
4. In-person meeting and discussion of the student's progress with regard to program's SLOs (Faculty form 2)
5. Final examination evaluation by the supervisory committee (Faculty form 4)

Summary of Progress in Assessment
The graduate faculty in the program have adopted multiple assessment tools that include student's self-evaluation and evaluation by the major professor. The program strives to capture more than one assessment, first one at midpoint (a year after admission) and the second one at the time of final oral defense. The goal is to assure that students stay on track, and at the time of the final exam, they are able to achieve either met or exceeded expectations in each of the SLOs. The exit survey provides opportunity for students to candidly assess the graduate program. In the past 4 years, a majority of the respondents indicated that the education and training received have fully equipped them to their next career paths and they will recommend the graduate program to other students..

Alignment Matrix for MS Students in Veterinary Biomedical Sciences

Student Learning Outcomes	Graduate courses	Presentation skills (Seminars, oral and poster presentations in meetings)	Writing skills (Abstracts, manuscripts, thesis)	Final examination
Abilities to carry out research, analyze data, and disseminate research findings	X	X	X	X
Professional and technical expertise	X			X
Application of knowledge through critical thinking				X
Effective oral and written communication skills.	X	X	X	X

X=Indicate opportunity for students to learn the outcome