



Experiences of using the OSU/UoG Evaluation Tool to Evaluate the OIE Day 1 Competencies

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Outline

- UoG-OSU vet education twining project
- Vet education twinning project design
- Curriculum mapping and gap analysis
- Faculty exchange and professional development
- Student exchange and training
- Contribution of the twinning project
- Conclusion

UoG-OSU Vet Education Twinning Project

- The Ethiopian veterinary service is confronted by inadequate veterinary work force, poor infrastructure, limited financial and physical resources.
- Veterinary medicine education needs transformation to address national and international standards and to produce veterinarians who fulfill the OIE Day-1 Competencies.

UOG-OSU Vet Education Twinning Project Design

1. Curriculum Mapping and Gap Analysis

- Identify competency gaps and develop model UoG DVM curriculum

2. Human resource development and exchange

- Faculty exchange and professional development
- Student training

Outcome I: Curriculum mapping and gap analysis

- Two national workshops for curriculum gap identification and mapping using evaluation tool
- Deans of 11 vet schools, stake holds and faculties of OSU contributed.



Evaluation Tool for OIE Day-1 Competencies

Highly Competent:

The average new DVM graduate is very knowledgeable/skillful about the topic and is able to perform the task/activity without additional support or guidance

Moderately Competent:

The average new DVM graduate is knowledgeable/skillful about the topic and is able to perform this task/activity with some support or guidance

Insufficiently Competent:

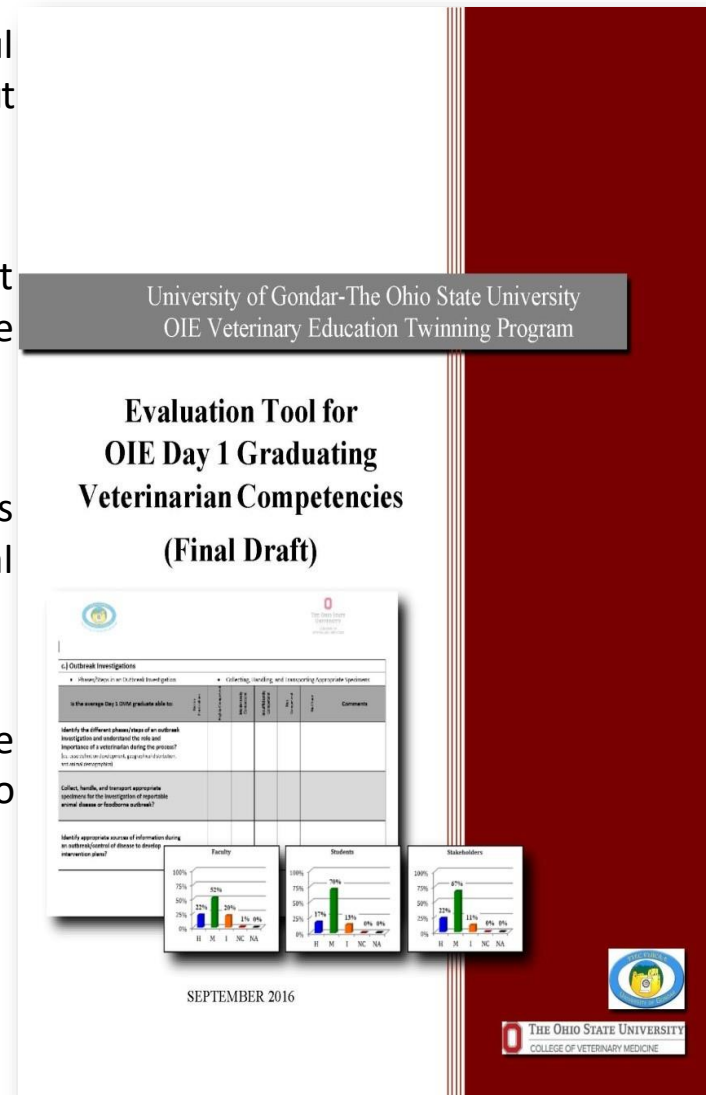
The average new DVM graduate is aware of the topic but is unable to perform the task/activity without substantial assistance

Not Competent:

While this topic is covered in the DVM curriculum, the average new DVM graduate is unaware of the topic and is unable to perform this task without further training or education

Not in Curriculum:

This topic is currently not covered in the veterinary curriculum



Missing Day-1 OIE Competencies :

- General Certification Procedures (2.10)
- Inspection & Certification Procedures (3.2)
- International Trade Framework (3.7)

Major missing contents

- Risk analysis
- Drug withdrawal times and drug residues
- Environmental health and biological waste management
- Outbreak investigation and outbreak management

Course misalignment - taught in a different sequence than proposed by OIE

- Animal Welfare
- Biostatistics
- English (Communications)

Table 1: Coverage of Specific OIE Competencies in the UoG Veterinary Curriculum

OIE Day 1 Competencies that should be Covered	OIE Day 1 Competencies Actually Covered in UoG Curriculum
Epidemiology (2.1)	Yes
Transboundary Diseases (2.2)	Yes
Zoonoses (2.3)	Yes
Emerging and Re-emerging Diseases (2.4)	Yes
Disease Prevention and Control Programs (2.5)	Yes
Food Hygiene (2.6)	Yes
Veterinary Products (2.7)	Yes
Animal Welfare (2.8)	Yes
Veterinary Legislation and Ethics (2.9)	Yes
General Certification Procedures (2.10)	No
Communication Skills (2.11)	Yes

Table 2: Coverage of Advance OIE Competencies in the UoG Curriculum

OIE Day 1 Competencies that should be Covered	OIE Day 1 Competencies Actually Covered in UoG Curriculum
Organization of Veterinary Services (3.1)	Yes
Inspection and Certification Procedures (3.2)	No
Management of Contagious Diseases (3.3)	Yes
Food Hygiene (3.4)	Yes
Application of Risk Analysis (3.5)	Yes
Research (3.6)	Yes
International Trade Framework (3.7)	No
Administration and Management (3.8)	Yes

Curriculum implementation

- Curriculum developed by modifying 22% of courses
- 32 action items planned and used as road map for execution of the revised curriculum
- UoG updated curriculum implemented since 2017
- The UoG curriculum shared to be used in 12 vet schools in Ethiopia

Course material development

Online Vet Education Platform (OIE + Gate foundation)

- Developed by Ohio and Iowa Universities to meet veterinary education needs related to OIE Day-1 Competencies in Ethiopia.

Modules:

- Infectious disease epidemiology (poultry, swine, small ruminants) - OSU
- Herd health and nutrition - ISU



Outcome 2:

1. Faculty exchange & professional development

- Over 70% of the UoG faculty in vet school obtained higher diploma certification on teaching methodology.
- Active teaching- learning and student assessment methods
- 2 UoG faculty visited OSU and exposed to pedagogical skills, course material development , organizing teaching facilities (labs and animal hospitals).
- Summer institute courses:
UoG faculty attend 3-4 courses per summer since 2016.



Dr. Tsegaw Fentie and Dr. Armanda Hoet, UoG-OSU OIE Twinning Team Leader, discussing implementation of the different items as part of the Action Plan



2. Student exchange and training

UoG vet students (16) participated in OSU Veterinary Preventive Medicine and Farm to Table programs twinned with OSU students

- Exposed to advanced teaching-learning styles applied at the OSU.
- Experienced hands on applications
- Sharing best practices
- Visited facilities; diagnostic labs, animal hospitals, farms, meat and milk processing plants in Ohio.
- Students shared their experiences to peers in seminars upon returning to Ethiopia



Student motivation and engagement

- Lack of motivation and negative outlook towards the veterinary profession is a challenge of the UoG veterinary students
- Training of students on Career and Professional Development by OSU faculty
- Student-led clubs created by UoG students
- Over 70% of vet students engaged in club activities and community outreach



Contribution of the twinning project to the advancement of vet education in Ethiopia

- Sharing twinning experiences with 13 vet schools, Ethiopian vet association in deans and VEE forums.
- Lessons learned shared through Ethiopian Vet Association bulletin published every 6 months.
- The UoG curriculum used as model for nationally harmonized vet curriculum developed in 2020 in the accommodation of Day1 OIE competencies.

Conclusion

- Vet education twinning project has significantly improved the quality of veterinary education and competency of graduates in the UoG.
- UoG veterinary graduates performer best on competence exams and selected by employers.
- Over 60% of graduates secure job within 6-12 months of graduation.

Acknowledgements

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THANK YOU !