

DETERMINING VPP TRAINING PROGRAMME ALIGNMENT WITH THE CURRICULUM ALIGNMENT MATRIX (CAM)

Purpose and Layout of the CAM

The Curriculum Alignment Matrix (CAM) is a tool which allows you to compare your Veterinary Paraprofessional (VPP) training programme against the OIE Curriculum Recommendations to determine its alignment, or “match” with these standards.

The CAM is set up as a matrix which contains the OIE VPP Curriculum Recommendations on the Y-axis and blank spaces for course names of the VPP educational programme being analysed. The OIE Recommendations include the Modules, Units, and Learning Outcomes; the Learning Outcomes are the unit of comparison for determining programme alignment.

BLANK EXAMPLE OF THE CAM FOR ANIMAL HEALTH PROGRAMMES

CURRICULUM ALIGNMENT MATRIX - ANIMAL HEALTH TRACK - [PROGRAMME EXAMPLE]																	
OIE Curriculum Recommendations			Country Programme Courses														
Module	Units	Learning Outcomes	Course														
			# Occurrences	0	0	0	0	0	0	0	0	0	0	0	0		
Animal Production Systems	Zootechnology (breeds, husbandry, housing and sanitation)	Describe farming systems of major importance for animal production.	0														
		List and identify the different breeds of species and their production characteristics.	0														
	Nutrition and pasture management	Describe the macro and micro nutrients necessary to provide proper nutrition to various animal species.	0														
		Identify feedstuffs used in animal nutrition and their nutritional value.	0														
		Identify edible grasses and toxic plants at pasture.	0														
		Describe certain nutritional deficiencies and the clinical conditions that might result.	0														
	Agricultural economics	Identify the practical applications of the principles of agricultural economics to the profitable management of various animal production systems.	0														
		Describe market trends for commodities produced in different animal production systems.	0														
Herd health management/reproduction	Identify and describe the important routine activities that farmers should carry out to ensure the optimal health and productivity of their animals.	0															
	Identify and describe the important routine activities that farmers should carry out to ensure the optimal reproductive performance of their animals.	0															
Immunology	Principles of immunology	Describe how vaccination prevents disease.	0														
	(vaccinology and serology)	Explain the relationship between the humoral immune response and diagnostic serology.	0														

How to Use the CAM to Assess Programme Alignment

ENTERING COURSE NAMES INTO THE CAM

1. Begin by entering the course names of the VPP training programme you are analysing into the “Course” Row, as shown to the right.

2. Once all course names have been entered into the CAM, compare course descriptions and learning outcomes and/or objectives from your institution against the OIE VPP Learning Outcomes.

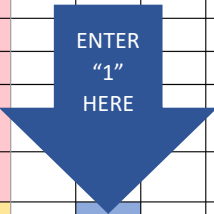
CURRICULUM ALIGNMENT MATRIX - ANIMAL HEALTH TRACK - [PROGRAMME EXAMPLE]																	
OIE Curriculum Recommendations			Country Programme Courses														
Module	Units	Learning Outcomes	Course														
			# Occurrences	0	0	0	0	0	0	0	0	0	0	0	0		
Animal Production Systems	Zootechnology (breeds, husbandry, housing and sanitation)	Describe farming systems of major importance for animal production.	0														
		List and identify the different breeds of species and their production characteristics.	0														
	Nutrition and pasture management	Describe the macro and micro nutrients necessary to provide proper nutrition to various animal species.	0														
		Identify feedstuffs used in animal nutrition and their nutritional value.	0														
		Identify edible grasses and toxic plants at pasture.	0														
		Describe certain nutritional deficiencies and the clinical conditions that might result.	0														
	Agricultural economics	Identify the practical applications of the principles of agricultural economics to the profitable management of various animal production systems.	0														
		Describe market trends for commodities produced in different animal production systems.	0														
Herd health management/reproduction	Identify and describe the important routine activities that farmers should carry out to ensure the optimal health and productivity of their animals.	0															
	Identify and describe the important routine activities that farmers should carry out to ensure the optimal reproductive performance of their animals.	0															
Immunology	Principles of immunology	Describe how vaccination prevents disease.	0														
	(vaccinology and serology)	Explain the relationship between the humoral immune response and diagnostic serology.	0														

Animal Anatomy Animal Physiology General Microbiology

COURSE NAMES ←

INDICATING “MATCHES” BETWEEN LEARNING OUTCOMES

Learning Outcomes	Course	Animal Anatomy	Animal Physiology	General Microbiology	General Pathology	Immunology and Vaccinology	Animal Nutrition and Feeding	Pharmacology
		# Occurrences	0	2	1	0	0	0
Describe farming systems of major importance for animal production.	0							
List and identify the different breeds of species and their production characteristics.	0							
Describe the macro and micro nutrients necessary to provide proper nutrition to various animal species.	0							
Identify foodstuffs used in animal nutrition and their nutritional value.	0							
Identify edible grasses and toxic plants at pasture.	0							
Describe certain nutritional deficiencies and the clinical conditions that might result.	0							
Identify the practical applications of the principles of agricultural economics to the profitable management of various animal production systems.	0							
Describe market trends for commodities produced in different animal production systems.	0							
Identify and describe the important routine activities that farmers should carry out to ensure the optimal health and productivity of their animals.	1							
Identify and describe the important routine activities that farmers should carry out to ensure the optimal reproductive performance of their animals.	1							
Describe how vaccination prevents disease.	1							
Explain the relationship between the humoral immune response and diagnostic serology.	0							



3. If you feel that a course reasonably satisfies an OIE VPP Learning Objective, locate the cell in the CAM where your course and the OIE Learning Objective intersect, and enter the number “1” into the cell.

4. This will activate conditional formatting which will color the cell blue. The sum of each row and column will automatically be calculated in the “occurrences” column and row.

5. Complete this exercise for all courses in the VPP training programme.

Interpreting the Completed CAM

EXAMPLE OF A COMPLETED CAM

OIE Curriculum Recommendations		Country Programme Courses																						
Module	Units	Learning Outcomes	Course	Animal Anatomy	Animal Physiology	General Microbiology	General Pathology	Immunology and Vaccinology	Animal Nutrition and Feeding	Pharmacology	Animal Health Applied Skills	Tricology	Clinical Pathology	Animal Genetics	Agricultural Economics	Communication Skills and Extension	Food, Biotechnology and Practice	Food Safety	Public Health and Animal Health Law	Behavior and Fungal Diseases	Metabolic, Nutritional and Reproductive Diseases and Disorders	Animal Welfare		
				# Occurrences	4	8	5	10	2	4	6	19	5	7	2	2	4	15	16	5	15	6	08	
Animal Production Systems	Zoo-technology (breeds, husbandry, housing and sanitation)	Describe farming systems of major importance for animal production.	2																					
		List and identify the different breeds of species and their production characteristics.	2																					
		Describe the macro and micro nutrients necessary to provide proper nutrition to various animal species.	3																					
	Nutrition and pasture management	Identify foodstuffs used in animal nutrition and their nutritional value.	3																					
		Identify edible grasses and toxic plants at pasture.	3																					
		Describe certain nutritional deficiencies and the clinical conditions that might result.	3																					
		Identify the practical applications of the principles of agricultural economics to the profitable management of various animal production systems.	1																					
Agricultural economics	Describe market trends for commodities produced in different animal production systems.	1																						
	Identify and describe the important routine activities that farmers should carry out to ensure the optimal health and productivity of their animals.	5																						
Hard health management/reproduction	Identify and describe the important routine activities that farmers should carry out to ensure the optimal reproductive performance of their animals.	5																						
	Describe how vaccination prevents disease.	2																						
Immunology	Principles of immunology (serology and serology)	Explain the relationship between the humoral immune response and diagnostic serology.	1																					
		Identify and distinguish between the main categories of microorganisms which cause disease in animals.	0																					
Microbiology	Fundamentals of microbiology	Describe the basic structure of and differences between the main categories of microorganisms that cause disease in animals.	0																					
		Recognise conditions caused by toxic substances and suggest measures for the treatment and prevention of these conditions.	1																					

In the body of the matrix, **BLUE** cells indicate alignment between the OIE VPP Curriculum Recommendations and the VPP training programme being analysed.

In the Occurrences column, **GREEN** cells indicate 3 or more matches, suggesting that the VPP training programme being analysed generally meets the OIE VPP Curriculum Recommendations.

YELLOW cells indicate 1-2 matches, and **RED** cells indicate 0 matches; these OIE Learning Objectives should be targeted for programme improvements and revisions to enhance the alignment with OIE Recommendations.