

ACP-EU Cooperation Programme in Higher Education(EDULINK). A programme of the ACP Group of States with the financial assistance of European Union.

1st Level Degree Course in:

Formerly *Hygiene and animal healt*

replaced with the correct definition:

Bechelor in Veterinary Engineer

Filère des Ingénieurs des Travaux en Sciences Vétérinaires





LINKING INSTITUTIONS JAP VITENKAT EEUCATION

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Training objectives

Graduates of the class, identified as "operators of veterinary technical area", performing the following duties:

- •to assist the veterinary activities,
- •zoo iatric service functions and assistance,
- •service functions to control of the food of animal origin,
- laboratory activities on veterinary diagnostic.







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- Degree in Bechelor in Veterinary Engineer, is not a short degree of Veterinary Medicine,
- it does not provide the title of Junior Veterinarian.
- The enrolment to this degree does not give access to the Bachelor in Veterinary Medicine, constituting a separate and independent path.





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The graduates undertake their auxiliary functions

- \rightarrow to support operational activities of the veterinarian,
- \rightarrow interacting with other operators of the field.

Graduates of the class will perform auxiliary functions

- \rightarrow autonomously where there are no veterinarians,
- \rightarrow or under the supervision of the veterinarian, if any.



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Graduates of the class will perform auxiliary functions in following tasks:

-control activities of health status of animal populations, wild and domestic, including, livestock, aquaculture;

- activities of pre-and post-mortem inspection of animals intended for human consume.

-control activities of structures that process and transform products of animal origin

 laboratory procedures in clinical investigations, clinical pathology, microbiology, immunology, applied to animal health and food control





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Graduates in the class have to be properly trained

- in the basic disciplines
- Applied disciplines:
- 1) farming systems,
- 2) nutrition animal
- 3) mechanisms of emergence, transmission and spread of infectious animal diseases and animal disease processes

These elements are essential for preventive intervention and control in the production chain of food-animal sector.



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The degree allows the preparation in the following fields

1° Vocational (curriculum) : animal health ⇒health management of farming animals

2° Vocational (curriculum): hygiene and Safety of food animal origin ⇒ health management of quality of animal products

3° Vocational (curriculum): Veterinary Diagnostic Laboratory ⇒ laboratory procedures in clinical investigations, clinical pathology, microbiology, immunology, applied to animal health and food control





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(*) In this phase CM includes both hours of CM, TD, TP. 1° year (Common to the three curricula)

Courses	CFU	Hours of	Work at	Total
		frontal	home	Hours
		lessons		
		CM (*)	TPE	
1° Semester				
Mathematics and Biostatistic	6	90	60	150
(integrated course)				
Mathematics	3	45	30	75
Biostatistic	3	45	30	75
Organic and inorganic chemistry	6	90	60	150
Botanic	4	60	40	100
Zoology	5	75	50	125
Anatomy, histology and embryology	9	135	90	225
of domestic animals (integrated				
course)				
Anatomy	6	90	60	150
histology and embryology	3	45	30	75
Total	30	450	300	750





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1° year (Common to the three curricula)

Courses 2° Semester	CFU	Hours of frontal lessons CM	Work at home TPE	Total Hours
Applied biochemistry and metabolism	6	90	60	150
Genetics	3	45	30	75
General Animal Husbandry and Elements and techniques of genetic breeding	4	60	40	100
Physiology of domestic animals	8	120	80	200
Bioinformatics	3	45	30	75
Others language	6	90	60	150
Total	30	450	300	750





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2° year (Common to the three curricula)

Courses	CFU	Hours of frontal lessons CM	Work at home TPE	Total Hours
1° Semester				
Animal farming: milk and meat production	6	90	60	150
General Veterinary pathology and physiopathology	6	90	60	150
Introduction to Veterinary legislation	6	90	60	150
Veterinary microbiology and hygiene	7	105	70	175
Parasitology of domestic animals	5	75	50	125
Total	30	450	300	750





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Courses	CFU	Hours of	Work at	Total
		frontal	home	Hours
		lessons		
		CM	TPE	
2° Semester				
Parasitic disease	6	90	60	150
infectious diseases	6	90	60	150
Animal nutrition and feeding	6	90	60	150
Avian breeding and pathology	6	90	60	150
Aquacolture and fish diseases	6	90	60	150
Total	30	450	300	750





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1° Curriculum: Animal health

IT TRAINS EXPERTS OF:

3° year

health management of livestock

and fish farm in collaboration with veterinarians. Diagnostic procedures



Courses 1° Semester	CFU	Hours of frontal lessons CM	Work at home TPE	Total Hours
Elements of veterinary surgery for assistent	6	90	60	150
Elements of veterinary clincs for assistent	6	90	60	150
Veterinary pharmacology and toxicology	6	90	60	150
Epidemiology and prophylaxis of infectious diseases	6	90	60	150
Pathophysiology of reproduction and artificial insemination	6	90	60	150
Total	30	450	300	750





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Others Activity	CFU	Hours of	Work at	Total
		frontal	home	Hours
		lessons		
		CM	TPE	
2° Semester				
Thesis	8	0	200	200
Seminars	6	150	0	150
Training activity in the field	15	0	375	375
Total Others Activity	30	150	575	725
Total per 3 years	180	2700	1800	4500





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3° year

2° Curriculum: Hygiene and Safety of food animal origin IT TRAINS EXPERTS OF:

health management of animal derived products.

Pratical controll of food animal origin.

Diagnostic procedures for the controll of Food security



Courses	CFU	Hours of frontal lessons	Work at home TPE	Total Hours
1° Semester				
Veterinary Anatomopathology	6	90	60	150
Food industry of animal derived products	6	90	60	150
Laboratory of controll quality and safety of animal derived products	6	90	60	150
Higiene and control of food animal origin	6	90	60	150
Pratic inspection to slaughterhaus	6		150	150
Total	30	300	390	750





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3° Curriculum: Veterinary Diagnostic Laboratory

IT TRAINS EXPERTS OF:

diagnostic procedures in veterinary laboratories

laboratory techniques in public and private laboratories involved in clinical investigations, clinical pathology, microbiology, immunology, applied to animal health and food control

3° year	Courses	CFU	Hours of frontal lessons	Work at home TPE	Total Hours
	1° Semester				
	Histopathological and Cytological diagnosis	6	150	0	150
	Biomolecolar techniques	6	150	0	150
	Immunology techniques and Clinical pathology laboratory	6	150	0	150
	Microbiology laboratory	6	150	0	150
	Parassitology laboratory	6	150	0	150
	Total	30	600	0	750





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Employment opportunities







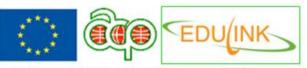


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Employment opportunities





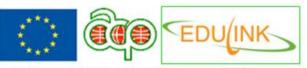




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Employment opportunities







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