



# COLLEGE OF VETERINARY SCIENCE AND MEDICINE

## MASTER OF VETERINARY STUDIES CHECKLIST

### FIRST YEAR

#### 1st Semester

Course No.	Course Description	Units	Prerequisite(s)
<b>Core Courses</b>			
VPH 700	Advanced Veterinary Epidemiology	3	VMICR 215
VMICR 700	Advances in Veterinary Immunology	3	Consent of Professor
VMED 700	Veterinary Economics	2	Consent of Professor
VMED 710	Advanced Veterinary Research Methods	2	
VMED 720	Veterinary Informatics	<u>2</u>	COMSCI 100
		12	
<b>Major courses</b>			
<b>Preventive Veterinary Medicine</b>			
VMED 730	Advanced Animal Health and Production	2	VPH 700, VMED 700
VMED 740	Infectious Disease of Domestic Animals	3	VMICR 200, VPARA 210, VPH700
VMED 750	Non-Infectious Diseases of Domestic animals	2	VPHYS 200, VPATH 200
VMED 760	Advances in Animal Disease Control	3	VMICR 700, VPH 700
VMED 770	Special Topics in Preventive Veterinary Medicine	1	Consent of Professor
VMED 780	Seminar in Preventive Veterinary Medicine	1	Consent of Professor
VMED 800	Master's Project	6	Passed Comprehensive Exam
<b>Veterinary Public Health</b>			
VPH 710	Microbial and Parasitic Zoonoses	3	VPH 700
VPH 720	Food Borne Disease	3	VPH 215
VPH 730	Environmental Health	2	VPH 700
VPH 740	Special Topics in Veterinary Public Health	1	Consent of Professor
VPH 750	Seminars in Veterinary Public Health	1	Consent of Professor
VPH 760	Practicum	2	Consent of Professor
VPH 800	Master's Project	<u>6</u>	Passed Comprehensive Exam
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## COURSE DESCRIPTION

### MASTER OF VETERINARY STUDIES

#### Core Courses

##### **VMICR 700 ADVANCES IN VETERINARY IMMUNOLOGY.**

Current findings and trends in immunology and its application in veterinary medicine.

Credit: 3 units (3 hours a week)

Prerequisite: Consent of Professor

##### **VPH 700. ADVANCED VETERINARY EPIDEMIOLOGY.**

Approaches in the designs and implementations of epidemiological investigations; collection and computerization of epidemiological data; statistical analysis and data interpretation; dissemination of information and critical evaluation of published epidemiological research.

Credit: 3 units (3 hours a week)

Prerequisite: VMICR 215

##### **VMED 700 VETERINARY ECONOMICS.**

Application of economic theories and concepts in veterinary medicine.

Credit: 2 units (2 hours a week)

Prerequisite: Consent of Professor

##### **VMED 720. VETERINARY INFORMATICS.**

Applied computer technology in Veterinary Medicine particularly in research and simulated model as well as data encoding and analysis.

Credit: 2 units (2 weeks)

Prerequisite: Basic Computer Courses (COMSCI 100)

#### Major Courses

##### **Preventive Veterinary Medicine**

##### **VMED 730. ADVANCED ANIMAL HEALTH AND PRODUCTION.**

Current trends in animal health and management and production.

Credit: 2 units (2 hours a week)

Prerequisite: VPH 700 and VMED 700

##### **VMED 740 INFECTIOUS DISEASES OF DOMESTIC ANIMALS.**

Pathogenesis, epidemiology and current information on infectious diseases of public health and economic significance.

Credit 3 units (3 hour a week)

Prerequisite: VMICR 200, VPARA 210 and VPH 700

##### **VMED 750. NON-INFECTIOUS DISEASES OF DOMESTIC ANIMALS.**

Pathogenesis, epidemiology and current information on non-infectious diseases and public health economic significance.

Credit: 2 units (2 hours a week)

Prerequisite: VPHYS 200 and VPATH 200

##### **VMED 760. ADVANCES IN ANIMAL DISEASE CONTROL.**

Current trends in the control of animal diseases.

Credit: 3 units (3 hours a week)

Prerequisite: VMICR 700 and VPH 700

##### **VMED 770. SPECIAL TOPICS IN PREVENTIVE VETERINARY MEDICINE.**

Selected topics/readings/literatures with comprehensive discussion on preventive veterinary medicine.

Credit: 1 unit (1 hour a week)

Prerequisite: Consent of Professor

##### **VMED 780. SEMINAR ON PREVENTIVE VETERINARY MEDICINE.**

Exploration and critical review of current scientific literature assigned or chosen topics and presentation of research papers on preventive veterinary medicine.

Credit: 1 unit (1 hour a week)

Prerequisite : Consent of Professor

##### **VMED 800. MASTER'S PROJECT.**

Independent and original project of a priority problem in preventive veterinary medicine.

Credit: 6 units

Prerequisite: Passed comprehensive examination

**Veterinary Public Health****VPH 710. MICROBIAL AND PARASITIC ZONOSSES.**

Biological, ecological and epidemiological features of microbial and parasitic infections transmissible to man and animal.

Credit: 3 units (3 hours a week)

Prerequisite: VPH 700

**VPH 720. FOOD-BORNE DISEASES.**

Veterinary public health concern in the production, processing, handling and inspection of animal-derived foods.

Credit: 3 units (3 hours a week/fieldtrip and demo)

Prerequisite: VPH 215

**VPH 730. ENVIRONMENTAL HEALTH.**

Causes effects and control of environmental health related problems.

Credit: 2 units (2 hours a week)

Prerequisite: VPH 700

**VPH 740. SPECIAL TOPICS IN VETERINARY PUBLIC HEALTH.**

Selected topics/readings and literature with comprehensive discussion on veterinary public health.

Credit: 1 unit (1 hour a week)

Prerequisite: Consent of professor

**VPH 750. SEMINAR IN VETERINARY PUBLIC HEALTH.**

Exploration and critical review of current scientific literature assigned or chosen topics and presentation of research papers on veterinary public health.

Credit: 1 unit (1 hour a week)

Prerequisite: Consent of Professor

**VPH 760. PRACTICUM.**

Abattoir operation and meat inspection.

Credit: 2 units (6 hours a week)

Prerequisite: Consent of professor

**VPH 800. MASTER'S PROJECT.**

Independent and original project of a priority problem in public health.

Credit: 6 units

Prerequisite: Passed the comprehensive examination