



## COLLEGE OF VETERINARY SCIENCE AND MEDICINE

### DOCTOR OF VETERINARY MEDICINE CHECKLIST

(Effective SY1979-1980. BOR Res. No 1778-79)

#### FIRST YEAR

##### First Semester

CATALOG NUMBER		DESCRIPTIVE TITLE	UNITS			PREREQUISITE
			LEC	LAB	TOTAL	
BOT	100	General Botany I	2	1	3	NONE
CHEM	100	General Chemistry	2	1	3	NONE
ENGL	100	Study and Thinking Skills	3	0	3	NONE
FILI	100	Komunikasyon sa Akademikong Filipino	3	0	3	NONE
MATH	100	College Algebra	3	0	3	NONE
PI	100	Rizal's Life, Works & Writings	3	0	3	NONE
SOCSCI	100	Society & Culture w/ Family Planning	3	0	3	NONE
PE	100	Foundation of Physical Fitness	2	0	2	NONE
EUTH	100	Social Graces	(1)	0	(1)	NONE
NSTP	1	National Service Training Program I	(3)	0	<u>(3)</u>	NONE
					<b>23</b>	

##### Second Semester

CATALOG NUMBER		DESCRIPTIVE TITLE	UNITS			PREREQUISITE
			LEC	LAB	TOTAL	
CHEM	200	Organic Chemistry I	2	1	3	CHEM 100
ENGL	105	Speech Communication	3	0	3	ENGL 100
FILI	105	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3	FILI 100
HUMAN	100	Introduction to the Humanities	3	0	3	NONE
MATH	105	Plane Trigonometry	3	0	3	MATH 100
ZOO	100	General Zoology I	2	1	3	NONE
PE	105	Rhythmic Activities	2	0	2	PE 100
NSTP	2	National Service Training Program II	(3)	0	<u>(3)</u>	NSTP 1
					<b>20</b>	

#### SECOND YEAR

##### First Semester

CATALOG NUMBER		DESCRIPTIVE TITLE	UNITS			PREREQUISITE(S)
			LEC	LAB	TOTAL	
CHEM	205	Organic Chemistry II	2	2	4	CHEM 200
AGMG	100	Gen. Eco. w/ Land Reform & Taxation	3	0	3	NONE
ENGL	110	Writing in the Discipline	3	0	3	ENGL 100
PHYS	100	Introductory Physics	2	1	3	MATH 105
STAT	200	Introduction to Statistics	2	1	3	MATH 100
ANSCI	100	Principles of Animal Science	2	1	3	ZOO 100
ZOO	105	General Zoology II	2	1	3	ZOO 100
PE	110	Individual and Dual Sports	2	0	<u>2</u>	PE 100
					<b>24</b>	

##### Second Semester

CATALOG NUMBER		DESCRIPTIVE TITLE	UNITS			PREREQUISITE
			LEC	LAB	TOTAL	
ANSCI	270	Goat and Sheep Production	2	1	3	ANSCI 100
ANSCI	240	Poultry Production	2	1	3	ANSCI 100
CHEM	220	Biochemistry	3	2	5	CHEM 200
PHILO	100	Introduction to Philosophy	3	0	3	NONE
AGMG	120	E-1 Marketing and Farm Finance	3	0	3	AGMG 100
AGBUS	100	E-2 Introduction to Agribusiness	3	0	3	NONE
COMSCI	100	Computer Fundamentals	2	1	3	MATH 100
PE	115	Team Sports	2	0	<u>2</u>	PE 100
					<b>25</b>	



**ELECTIVE 1,2 and 4 : Choice of 9 units from any of the following subjects:**

			UNITS			PREREQUISITE
			LEC	LAB	TOTAL	
AGMGT 110	Farm Management	3	0	3		AGMGT 100
AGMGT 120	Marketing and Farm Finance	3	0	3		AGMGT 100
AGECO 205a	Farm Cooperatives	3	0	3		AGMGT 100
AGBUS 100	Introduction to Agri-Business	3	0	3		NONE
AGMGT 215	Farm Book Keeping & Accounting	3	0	3		AGMGT100
EXED 100	Extension, Philosophy, Organization and Programming Methods	3	0	3		NONE
AQUA 100	Aquaculture I	3	0	3		NONE

**Summer**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE
		LEC	LAB	TOTAL	
HIST 100	Philippine History	3	0	3	NONE
AH 200	Livestock Buildings	1	0	1	ANSCI 100
PSYCH 100	General Psychology	3	0	3	NONE
AH 230	E-3 Zoo and Wildlife Park Management	2	0	2	NONE
					<u>9</u>

**ELECTIVE 3: Choice of 2 units from any of the following subjects:**

AH 220	Laboratory Animal Science	2		NONE
AH 230	Zoo and Wildlife Park Management	2		NONE

**THIRD YEAR  
First Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE(S)
		LEC	LAB	TOTAL	
ANSCI 255	Swine Production	2	1	3	ANSCI 100
ANSCI 260	Beef Cattle & Buffalo Production	2	1	3	ANSCI 100
AH 210	Principles of Animal Genetics & Breeding	3	0	3	ANSCI 100
VANA 200	Animal Anatomy I	3	2	5	ZOO 100
VANA 210	Developmental Anatomy	2	1	3	ZOO 100
VMICR 200	General Microbiology	3	1	4	ZOO 100, BOT 100
EXED 100	E-4 Ext'n., Philo., Org. & Programming Methods	3	0	3	NONE
AGMGT 110	E-4 Farm management	3	0	3	NONE
					<u>24</u>

**Second Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE(S)
		LEC	LAB	TOTAL	
ANSCI 220	Animal Nutrition	2	1	3	ANSCI 100, CHEM 200
ANSCI 265	Dairy Production	2	1	3	ANSCI 100
AH 250	Equine Production	1	0	1	ANSCI 100
VANA 205	Animal Anatomy II	2	2	4	VANA 200
VANA 215	Microscopic Anatomy	2	2	4	VANA 210
VPHYS 200	Systemic Physiology I	3	1	4	CHEM 220
VMICR 205	Bacteriology & Mycology	2	1	3	VMICRO 200
					<u>22</u>

**Summer**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE(S)
		LEC	LAB	TOTAL	
ANSCI 399	Field Practice	0	6	6	Completed all Animal Production Courses



**FOURTH YEAR  
First Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE
		LEC	LAB	TOTAL	
VMED 300	Principles of Disease Management	3	0	3	VPHYS 200, VMICR 200
ANSCI 280	Slaughter & Meat Processing	2	1	3	ANSCI 100
AH 240	Alternative Animal Production	1	0	1	ANSCI 100
VPATH 200	General Pathology	2	2	4	VANA 215
VPH 200	Environmental Sanitation	2	1	3	VMICR 200
VPHYS 205	Systemic Physiology II	3	1	4	VPHYS 200
VMICR 215	Fundamentals of Immunology	1	1	2	VMICR 200
VMICR 210	Virology	1	1	2	VMICR 200
VPHYS 210	Ethology & Animal Welfare	1	0	<u>1</u>	VPHYS 200
				<b>23</b>	

**Second Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE
		LEC	LAB	TOTAL	
VPARA 200	Veterinary Entomology	2	1	3	ZOO 100 & BOT 100
VPARA 205	Veterinary Protozoology	1	1	2	ZOO 100 & BOT 100
VPH 205	Epidemiology	3	0	3	VMICR 200
VPHAR 200	General Pharmacology	3	1	4	VPHYS 205
VPHYS 215	Endocrinology & Reprod Physiology	2	1	3	VPHYS 205
VMED 303	Ethno-Veterinary Medecine	1	0	1	VMED 300
VPATH 205	Systemic Pathology	2	1	3	VPATH 200
ANSCI 398	Undergrad Seminar in Animal Science	1	0	1	24 units of ANSCI Subjects
VPHYS 220	E-5 Climatology & Environmental Physio	1	1	<u>2</u>	VPHYS 205 & 215
				<b>22</b>	

**BS in ANIMAL HUSBANDRY: Total Number of Units - 198**

**FIFTH YEAR  
First Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE
		LEC	LAB	TOTAL	
VMED 305	Diseases of Small Animals	4	0	4	VMED 300
VPARA 210	Helminthology	2	2	4	VPARA 200 & VPARA 205
VPH 210	Zoonoses	2	0	2	VPH 205
VPHAR 205	Therapeutics	3	1	4	VPHAR 200
VSURG 300	Principles of Surgery	1	2	3	VPHAR 200 & VANA 200
VCLIN 300	Clinical Orientation I	0	2	2	Completion of 4 <sup>th</sup> YEAR
VPATH 230	Toxicology	1	0	1	VPHYS 205 & VPATH 205
VMED 335	E-6 Wildlife Medicine	2	0	2	VMED 300
THESIS I	Undergraduate Thesis I	2	0	<u>2</u>	Completion of 4th Year
				<b>24</b>	

**ELECTIVE 5 and 6: Choice of either 2 units from any of the following subjects:**

VMICR 220	Infectious Diseases of Wildlife, Fish and Laboratory Animals	2		VMICR 200
VPHYS 220	Climatology and Environmental Physiology	2		VPHYS 215
VMED 335	Wildlife Medicine	2		VMED 300



**Second Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE
		LEC	LAB	TOTAL	
VMED 310	Diseases of Poultry and Swine	3	0	3	VMED 300
VPH 215	Food Hygiene	3	1	4	VPH 205
VPATH 215	Clinical Pathology	2	1	3	VPATH 200 & VPHYS 205
VPATH 220	Special Pathology	1	1	2	VMICR 205, VMICR 210 & VPATH 205
VSURG 305	Surgery of Large Animals	1	2	3	VSURG 300
VSURG 315	Veterinary Imaging	1	1	2	VMED 300
VCLIN 305	Clinical Orientation II	0	2	2	VCLIN 300
VCLIN 320	Clinico-Pathological Conference I	0	1	1	VCLIN 300
VMED 340	E-7 Exotic Medicine	1	0	1	VMED 300
THESIS II	Undergraduate Thesis II	2	0	2	Thesis I
				<u>23</u>	

**ELECTIVE 7: Choice of 1 unit from any of the following subjects:**

VMED 340	Exotic Medicine	1	VMED 300
VMED 345	Aquatic Medicine	1	VMED 300

**SIXTH YEAR  
First Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE
		LEC	LAB	TOTAL	
VMED 315	Diseases of Ruminants	3	0	3	VMED 300
VMED 330	Diseases of Horses	1	0	1	VMED 300
VMED 320	Obstetrics	3	0	3	VPHYS 210, VSURG 315
VMED 325	Jurisprudence, Ethics & Gov't Laws & Reg.	2	0	2	Completion of 5 <sup>th</sup> YEAR
VSURG 310	Surgery of Small Animals	1	2	3	VSURG 300
VCLIN 310	Clinical Internship	0	6	6	Completion of 5 <sup>th</sup> YEAR
VMED 350	Veterinary Informatics	1	0	1	COMSCI 100, VMED 300
VCLIN 325	Clinical-Pathological Conference II	0	1	1	VCLIN 320
VMED 398	Veterinary Seminar	1	0	1	Completion of 5 <sup>th</sup> YEAR
THESIS III	Undergraduate Thesis III	2		2	Thesis II
				<u>23</u>	

**Second Semester**

CATALOG NUMBER	DESCRIPTIVE TITLE	UNITS			PREREQUISITE
		LEC	LAB	TOTAL	
VCLIN 315	Field Experience	0	15	15	VCLIN 310
				<u>15</u>	

**DVM TOTAL NUMBER OF UNITS - 283**



## COURSE DESCRIPTION

### ANIMAL MANAGEMENT

#### **AH 200. LIVESTOCK BUILDINGS**

Principles and requirements of livestock buildings.

Prerequisite: ANSCI 100

1 hour a week lecture

Credit: 1 unit

#### **AH 210. PRINCIPLES OF ANIMAL GENETICS AND BREEDING**

Genetic principles and its application to animal breeding.

Prerequisite: ANSCI 100

3 hours a week lecture

Credit: 3 units

#### **AH 220. LABORATORY ANIMAL SCIENCE**

Basic principles of laboratory animal science; importance of laboratory animal in field of veterinary medicine and husbandry of selected laboratory animals.

Prerequisite: none

2 hours a week lecture

Credit: 2 units

#### **AH 230. ZOO AND WILDLIFE PARK MANAGEMENT**

Fundamentals, principles and application of management of zoos and wildlife parks; Concepts in organizational structures, wildlife handling and presentation of the importance of wildlife to the community.

Prerequisite: none

2 hours a week (lecture/fieldtrip to zoos and wildlife park)

Credit: 2 units

#### **AH 240. ALTERNATIVE ANIMAL PRODUCTION**

Study of emerging animal production practices and its significance in the animal industry.

Prerequisite: ANSCI 100

1 hour a week lecture

Credit: 1 unit

#### **AH 250. EQUINE PRODUCTION**

Principles of breeding, nutrition, care and management of horses.

Prerequisite: ANSCI 100

1 hour a week lecture

Credit: 1 unit

### VETERINARY MORPHOPHYSIOLOGY AND PHARMACOLOGY

#### **VANA 200. ANIMAL ANATOMY I**

Topographic and regional dissection of the goat.

Prerequisite: ZOO 100

9 hours a week (3 lec, 6 lab)

Credit: 5 units

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**VANA 205. ANIMAL ANATOMY II**

Comparative study and dissection of the horse, pig, dog, cat and fowl.

Prerequisite: VANA 200

8 hours a week (2 lec, 6 lab)

Credit: 4 units

**VANA 210. DEVELOPMENTAL ANATOMY**

Embryonic and fetal development of domestic animals and poultry including related reproductive phenomena.

Prerequisite: ZOO 100

5 hours a week (2 lec, 3 lab)

Credit: 3 units

**VANA 215. MICROSCOPIC ANATOMY**

Microscopic study of the structures and morphology of cells, tissues and organs of domestic animals.

Prerequisite: VANA 210

8 hours a week (2 lec, 6 lab)

Credit: 4 units

**VPHAR 200. GENERAL PHARMACOLOGY**

Principles of pharmacy, pharmacology and therapeutics of drugs acting on the different body systems.

Prerequisite: VPHYS 205

6 hours a week (3 lec, 3 Lab)

Credit: 4 units

**VPHAR 205 THERAPEUTICS**

Chemotherapy, fluid therapy; their effects on the animals body systems.

Prerequisite: VPHAR 200

6 hours a week (3 lec, 3 Lab)

Credit: 4 units

**VPHYS 200. SYSTEMIC PHYSIOLOGY I**

Physiology of muscles, nervous, respiratory, blood, and cardiovascular system.

Prerequisite: CHEM 220

6 hours a week(3 lec, 3 lab)

Credit: 4 units

**VPHYS 205. SYSTEMIC PHYSIOLOGY II**

Physiology of the respiratory, digestive, metabolic, urinary and body fluid systems.

Prerequisite: VPHYS 200

6 hours a week (3 lec, 3 lab)

Credit: 4 units

**VPHYS 210. ETHOLOGY AND ANIMAL WELFARE**

Introduction to animal behavior and animal welfare.

Prerequisite: VPHYS 200

1 hour a week lecture

Credit: 1 unit

**VPHYS 215 . ENDOCRINOLOGY AND REPRODUCTIVE PHYSIOLOGY**

The endocrine organs, their secretion and functional regulation; physiology of reproduction and related phenomena.

Prerequisite: VPHYS 205

5 hours a week (2 lec, 3 lab)



Credit: 3 units

**VPHYS 220. ANIMAL CLIMATOLOGY AND ENVIRONMENTAL PHYSIOLOGY**

Mechanics of thermoregulation and animal adaptations; physiological mechanisms of animal adaptation, body temperature regulations; related nutritional, metabolic and hormonal functions affecting animal production.

Prerequisite: VPHYS 215

2 hours a week lecture

Credit: 2 units

**VETERINARY PATHOBIOLOGY****VPATH 200. GENERAL PATHOLOGY**

Principles of pathology and fundamentals of necropsy; histopathological methods and introduction to immunopathology, oncology and teratology.

Prerequisite: VANA 215

8 hours a week (2 lec, 6 Lab)

Credit: 4 units

**VPATH 205. SYSTEMATIC PATHOLOGY**

Gross and microscopic pathology of the different body systems with emphasis on morphological lesions; necropsy and histopathological studies.

Prerequisite: VPATH 200

5 hours a week (2 lec, 3 Lab)

Credit: 3 units

**VPATH 210. MICROSCOPY, MICROTECHNIC AND PHOTOGRAPHY**

Principles and methods in microscopy, animal tissue technique, micro- and macro-photography as applied in the study of pathology.

Prerequisite: VPATH 200

6 hours a week Laboratory

Credit: 2 units

**VPATH 215. CLINICAL PATHOLOGY**

Collection and examination of body fluids and secretions; interpretation of laboratory findings.

Prerequisite: VPATH 205

5 hours a week (2 lec, 3 Lab)

Credit: 3 units

**VPATH 220. SPECIAL PATHOLOGY**

Pathology of notifiable and emerging diseases of domestic animals in the tropics.

Prerequisite: VMICR 205, VPATH 205

4 hours a week (1 lec, 3 Lab)

Credit: 2 units

**VPATH 230. TOXICOLOGY**

Study of toxic materials which are organic and inorganic in origin and their effects on the animal body systems.

Prerequisites: VPHYS 205, VPATH 205

1 hour a week lecture

Credit: 1 unit

**VMICR 200. GENERAL MICROBIOLOGY**

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Principles and fundamentals of microbiology, taxonomy and basic laboratory techniques and their application to the study of bacteria, fungi and viruses.

Prerequisite: BOT 100, ZOO 100

6 hours a week (3 lec, 3 Lab)

Credit: 4 units

#### **VMICR 205. BACTERIOLOGY AND MYCOLOGY**

Physiological, cultural characteristics, growth requirements of bacteria and fungi and their pathogenesis, diagnosis and control.

Prerequisite: VMICR 200

5 hours a week (2 lec, 3 lab)

Credit: 3 units

#### **VMICR 210. VIROLOGY**

Viruses of veterinary importance, their pathogenesis, laboratory diagnosis, prevention and control.

Prerequisite: VMICR 200

4 hours a week (1 lec, 3 Lab)

Credit: 2 units

#### **VMICR 215. FUNDAMENTALS OF IMMUNOLOGY**

Viruses of veterinary importance, their pathogenesis, laboratory diagnosis, prevention and control.

Prerequisite: VMICR 200

5 hours a week (2 lec, 3 Lab)

Credit: 3 units

#### **VMICR 220. INFECTIOUS DISEASES OF WILDLIFE, FISH AND LABORATORY ANIMALS**

Diseases of veterinary importance to wildlife, fish and laboratory animals and their pathogenesis, diagnosis, control and prevention.

Prerequisite: VMICR 200

2 hours a week lecture

Credit : 2 units

#### **VPARA 200. VETERINARY ENTOMOLOGY**

Study of arthropods of veterinary importance- morphology, classification, life cycle, pathogenesis, prevention and control.

Prerequisite: BOT 100 and ZOO 100

5 hours a week (2 lec, 3 Lab)

Credit: 3 units

#### **VPARA 205. PROTOZOOLOGY**

Study of protozoa of veterinary importance- morphology, classification, life a cycle, pathogenesis, control and prevention.

Prerequisite: BOT 100 and ZOO 100

4 hours a week (1 lec, 3 Lab)

Credit: 2 units

#### **VPARA 210. HELMINTHOLOGY**

Helmiths of veterinary importance: their morphology, classification, life cycle, pathogenesis, control and prevention.

Prerequisite: VPARA 200 and VPARA 205

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8 hours a week (2 lec, 6 Lab)  
Credit: 4 units

**VPH 200. ENVIRONMENTAL SANITATION**

Effects of modern agriculture on ecology of natural systems with emphasis on role of animal husbandry and its relation to environmental sanitation.

Prerequisite: BOT 100 and ZOO 100  
5 hours a week (2 lec, 3 Lab)  
Credit: 3 units

**VPH 205. EPIDEMIOLOGY**

Patterns of occurrence of epizootic diseases.

Prerequisite: VMICR 200  
3 hours a week lecture  
Credit: 3 units

**VPH 210. ZONOSSES**

Diseases shared by man and animals- epidemiology, prevention and control,

Prerequisite: VPH 205  
6 hours a week (3 lec, 3 Lab)  
Credit: 4 units

**VPH 215. FOOD HYGIENE**

Hygienic principles applied in the handling, processing, and storage of meat, milk and their derivative products; inspection standards, regulations and laws and their application.

Prerequisite: VPH 205  
6 hours a week (3 lec, 3 Lab)  
Credit: 4 units

**VETERINARY CLINICAL SCIENCES****VCLIN 300. CLINICAL ORIENTATION I**

Demonstration of methods in clinical examination, common veterinary procedures, xenobiotics and diagnostics and orientation of the operating procedures in the CVSM Veterinary Hospital by the clinical staff.

Prerequisite: Completion of 4<sup>th</sup> Year Courses  
6 hours a week laboratory  
Credit: 2 units

**VCLIN 305. CLINICAL ORIENTATION II**

Continuation of Clinical Orientation I: Review of breeds of companion animals, management of common clinical complaints; diseases, zoonoses, and clinical radiography; overview of the animal industry and herd health programs.

Prerequisite: VCLIN 300  
6 hours a week laboratory  
Credit: 2 units

**VCLIN 310. CLINICAL INTERNSHIP**

Internship at the CLSU Veterinary Hospital supplemented with a review management of emergency cases, nutrition and care of animals, special therapeutic procedures, common diseases of food animals and veterinary drugs in the local market; reporting, presentation and discussion of selected cases by senior students and the clinical staff.

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Prerequisite: Completion of 5<sup>th</sup> Year Courses  
18 hours a week laboratory  
Credit: 6 units

**VCLIN 315. FIELD EXPERIENCE**

Clinicians to be deployed in the different veterinary stations including CLSU station with emphasis on veterinary economic and feasibility studies; introduction to veterinary associations; status of veterinary practice in the country; review of breeds of food animals, reproduction and breeding; meat inspection, diagnostic procedures, ECG and advances in diagnostic procedures abroad.

Prerequisite: VCLIN 310  
42 hours a week laboratory  
Credit: 15 units

**VCLIN 320. CLINICO-PATHOLOGICAL CONFERENCE I**

Presentation of clinical cases.

Prerequisite:  
1 hour a week lecture  
Credit: 1 unit

**VCLIN 325. CLINICO-PATHOLOGICAL CONFERENCE II**

Continuation of Clinico-Pathological Conference I.

Prerequisite: VCLIN 320  
1 hour a week laboratory  
Credit: 1 unit

**VMED 300. PRINCIPLES OF DISEASE MANAGEMENT**

Principles of diagnosis, treatment, and control of diseases; supplemental demonstration of cases.

Prerequisite: VMICR 200 and VPHYS 200  
3 hours a week lecture  
Credit: 3 units

**VMED 303. ETHNO-VETERINARY MEDICINE**

Principles and application of herbal medicine to veterinary medicine.

Prerequisite: VMED 300  
1 hour a week lecture  
Credit: 1 unit

**VMED 305. DISEASES OF SMALL ANIMALS**

Etiology, epidemiology, diagnosis and control of common and important infectious and non-infectious diseases of dogs and cats.

Prerequisite: VMED 300  
3 hours a week lecture  
Credit: 3 units

**VMED 310. DISEASES OF SWINE AND POULTRY**

Etiology, epidemiology, pathology, diagnosis, control and prevention of common and important infectious diseases of swine and poultry in the Philippines,

Prerequisite: VMED 300  
3 hours a week lecture  
Credit: 3 units

**VMED 315. DISEASES OF RUMINANTS**

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Etiology, epidemiology, diagnosis and control of common and important infectious and non-infectious diseases of ruminants.

Prerequisite: VMED 300

3 hours a week laboratory

Credit: 3 units

#### **VMED 320. OBSTETRICS**

Pregnancy diagnosis, procedures of interventions in cases of dystocia, postpartum diseases, abortions, artificial insemination and related conditions.

Prerequisite: VPHYS 210, VSURG 315

5 hours a week (2 lec, 3 lab)

Credit: 3 units

#### **VMED 325. JURISPRUDENCE, ETHICS, GOVERNMENT LAWS AND REGULATIONS**

Laws and regulations governing practice of the veterinary medicine profession and the control of diseases; ethical practices governing veterinarian-client relations as well as relations among veterinary practitioners.

Prerequisite: Consent of Department

2 hours a week lecture

Credit: 2 units

#### **VMED 330. DISEASES OF HORSES**

Etiology, epidemiology, diagnosis, treatment, prevention and control of common and important infectious and non-infectious diseases of horses.

Prerequisite: VMED 300

1 hour a week lecture

Credit: 1 unit

#### **VMED 335. WILDLIFE MEDICINE**

Etiology, epidemiology, diagnosis, treatment, prevention and control of diseases affecting wildlife.

Prerequisite: VMED 300

2 hours a week lecture

Credit: 2 units

#### **VMED 340. EXOTIC MEDICINE**

Etiology, epidemiology, diagnosis, treatment, prevention and control of emerging diseases and diseases not endogenous in the Philippines.

Prerequisite: VMED 300

1 hour a week lecture

Credit: 1 unit

#### **VMED 345. AQUATIC MEDICINE**

Etiology, diagnosis, treatment, prevention and control of diseases affecting fishes and other aquatic animals.

Prerequisite: VMED 300

1 hour a week lecture

Credit: 1 unit

#### **VMED 350. VETERINARY INFORMATICS**

Application of computer technology in veterinary medicine.

Prerequisite: COMSCI 100, VMED 300



3 hours a week laboratory  
Credit: 1 unit

**VMED 398. VETERINARY SEMINAR**

Recent advances in veterinary medicine.

Prerequisite: Completion of 5<sup>th</sup> Year Courses  
1 hour a week lecture  
Credit: 1 unit

**VSURG 300. PRINCIPLES OF SURGERY**

Fundamentals of restraint, instrumentation, wound and fracture management, surgical techniques and anesthesia.

Prerequisite: VPHAR 200  
5 hours a week (2 lec, 3 Lab)  
Credit: 3 units

**VSURG 305. SURGERY OF LARGE ANIMALS**

Discussion and practice of specific surgical techniques in ruminants, swine and horses.

Prerequisite: VSURG 300  
7 hours a week (1 lec, 6 Lab)  
Credit: 3 units

**VSURG 310. SURGERY OF SMALL ANIMALS**

Discussion and practice of specific surgical techniques in small domestic animals.

Prerequisite: VSURG 300  
7 hours a week (1 lec, 6 Lab)  
Credit: 2 units

**VSURG 315. VETERINARY IMAGING**

Principles, operation, and application of radiology, endoscopy, ultrasonography and other emerging equipment to aid in diagnosis.

Prerequisite: VMED 300  
4 hours a week (1 lec, 3 lab)  
Credit: 2 units

**THESIS I. UNDERGRADUATE THESIS I**

Thesis capsule presentation and outline writing

Prerequisite: Completion of 4<sup>th</sup> Year  
Credit: 2 units

**THESIS II. UNDERGRADUATE THESIS II**

Experimentation and data gathering.

Prerequisite: Thesis I  
Credit: 2 units

**THESIS III. UNDERGRADUATE THESIS III**

Writing of the final manuscript and presentation of research result to the college faculty.

Prerequisite: Thesis II  
Credit: 2 units

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