

**Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU)**

**Faculty of Veterinary Medicine & Animal Science (FVMAS)**

**Department-wise distribution of credit hours of Doctor of Veterinary Medicine (DVM)  
Course Curricula at BSMRAU**

**Department of Anatomy & Histology**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
ANH 101 Gross Anatomy I	3+1.5=4.5	ANH 101 Gross Anatomy I	3+1=4
ANH 102 General Histology & Embryology	3+1.5=4.5	ANH 102 General Histology & Embryology	3+1=4
ANH 131 Gross Anatomy II	3+1.5=4.5	ANH 131 Gross Anatomy II	3+1=4
ANH 132 Systemic Histology	3+1.5=4.5	ANH 132 Systemic Histology	3+1=4
ANH 201 Comparative Anatomy & Neuroanatomy	0+1.5=1.5	ANH 261 Comparative Anatomy & Neuroanatomy	0+1=1
ANH 361 Topographic & Surgical Anatomy	0+1.5=1.5	ANH 361 Topographic & Surgical Anatomy	0+1=1
<b>Total</b>	<b>12+9=21.0</b>	<b>Total</b>	<b>12+6=18</b>

**Department of Physiology & Pharmacology (PHP)**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
PHP 161 General Physiology	3+1.5=4.5	PHP 161 General Physiology	3+1=4
PHP 201 Systemic Physiology	3+1.5=4.5	PHP 201 Systemic Physiology	3+1=4
PHP 231 Nutritional Physiology	2+0=2.0	PHP 231 Nutritional Physiology	2+0=2
PHP 261 General Pharmacology & Therapeutics	3+1.5=4.5	PHP 261 General Pharmacology & Therapeutics	3+1=4
PHP 301 Systemic Pharmacology	3+0=3.0	PHP 301 Systemic Pharmacology	3+0=3
PHP 331 Toxicology	3+1.5=4.5	PHP 331 Toxicology	3+1=4
PHP 501 Clinical Pharmacology & Pharmacy	0+2=2.0	PHP 501 Clinical Pharmacology & Pharmacy	0+2=2
<b>Total</b>	<b>17+8=25.0</b>	<b>Total</b>	<b>17+6=23</b>

**Department of Microbiology & Hygiene (MPH)**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
MPH 101 Animal Hygiene & Bio-security	2+1.5=3.5	MPH 101 Animal Hygiene & Bio-security	2+1=3
MPH 161 General Microbiology	3+1.5=4.5	MPH 161 General Microbiology	3+1=4
MPH 231 Systemic Bacteriology & Mycology	3+1.5=4.5	MPH 231 Systemic Bacteriology & Mycology	3+1=4
MPH 261 Virology	3+1.5=4.5	MPH 261 Virology	3+1=4
MPH 301 Immunology, Serology & Molecular Techniques	2+1.5=3.5	MPH 301 Immunology, Serology & Molecular Techniques	2+1=3
MPH 431 Dairy Microbiology & Food Hygiene	3+1.5=4.5	MPH 431 Dairy Microbiology & Food Hygiene	3+1=4
MPH 501 Public Health & Zoonoses	2+0=2.0	MPH 501 Public Health & Zoonoses	2+0=2
<b>Total</b>	<b>18+9=27.0</b>	<b>Total</b>	<b>18+6=24</b>

## Department of Pathobiology (PBL)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
<b>PBL 201</b> General Parasitology & Entomology	3+1.5=4.5	<b>PBL 231</b> General & Nutritional Pathology	3+1=4
<b>PBL 231</b> General & Nutritional Pathology	3+1.5=4.5	<b>PBL 232</b> General Parasitology & Entomology	3+1=4
<b>PBL 261</b> Helminthology & Malacology	3+1.5=4.5	<b>PBL 261</b> Helminthology & Malacology	3+1=4
<b>PBL 301</b> Protozoology	3+1.5=4.5	<b>PBL 301</b> Protozoology	3+1=4
<b>PBL 302</b> Systemic Pathology & Oncology	3+1.5=4.5	<b>PBL 302</b> Systemic Pathology & Oncology	3+1=4
<b>PBL 331</b> Pathology of Infectious Diseases	3+0=3.0	<b>PBL 331</b> Pathology of Infectious Diseases	3+0=3
<b>PBL 361</b> Avian Pathology	3+1.5=4.5	<b>PBL 361</b> Avian Pathology	3+1=4
<b>PBL 501</b> Clinical Pathology & Necropsy	0+2=2.0	<b>PBL 501</b> Clinical Pathology & Necropsy	0+2=2
<b>Total</b>	<b>21+11=32.0</b>	<b>Total</b>	<b>21+8=29</b>

## Department of Medicine (MED)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
<b>MED 361</b> General Medicine	3+1.5=4.5	<b>MED 361</b> General Medicine	3+1=4
<b>MED 401</b> Farm Animal Medicine	3+1.5=4.5	<b>MED 401</b> Farm Animal Medicine	3+1=4
<b>MED 431</b> Epidemiology & Preventive Medicine	3+1.5=4.5	<b>MED 431</b> Epidemiology & Preventive Medicine	3+1=4
<b>MED 432</b> Avian Medicine	3+1.5=4.5	<b>MED 432</b> Avian Medicine	3+1=4
<b>MED 461</b> Wildlife, Zoo, Aquatic & Companion Animal Medicine	3+1.5=4.5	<b>MED 461</b> Metabolic & Nutritional Diseases of Farm Animals	2+0=2
<b>MED 501</b> Metabolic & Nutritional Diseases of Farm Animals	2+0=2.0	<b>MED 462</b> Wildlife, Zoo, Aquatic & Companion Animal Medicine	3+1=4
<b>MED 502</b> Forensic Medicine, Jurisprudence & Animal Welfare	3+0=3.0	<b>MED 501</b> Forensic Medicine, Jurisprudence & Animal Welfare	3+0=3
<b>MED 503</b> Medicine (Clinics)	0+2=2.0	<b>MED 502</b> Medicine (Clinics)	0+2=2
<b>Total</b>	<b>20+9.5=29.5</b>	<b>Total</b>	<b>20+7=27</b>

## Department of Surgery & Radiology (SRA)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
<b>SRA 361</b> General Surgery	3+1.5=4.5	<b>SRA 361</b> General Surgery	3+1=4
<b>SRA 401</b> Anesthesiology	2+1.5=3.5	<b>SRA 401</b> Anesthesiology	2+1=3
<b>SRA 402</b> Radiology & Imaging	2+1.5=3.5	<b>SRA 402</b> Radiology & Imaging	2+1=3
<b>SRA 431</b> Farm Animal Surgery	3+1.5=4.5	<b>SRA 431</b> Farm Animal Surgery	3+1=4
<b>SRA 461</b> Wildlife, Zoo, Aquatic & Companion Animal Surgery	2+1.5=3.5	<b>SRA 461</b> Wildlife, Zoo, Aquatic & Companion Animal Surgery	2+1=3
<b>SRA 501</b> Surgery (Clinics)	0+2=2.0	<b>SRA 501</b> Surgery (Clinics)	0+2=2
<b>Total</b>	<b>12+9.5=21.5</b>	<b>Total</b>	<b>12+7=19</b>

## Department of Gynecology, Obstetrics & Reproductive Health (GOR)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
<b>GOR 401</b> Gynecology & Reproductive Biotechnology	3+1.5=4.5	<b>GOR 401</b> Gynecology & Reproductive Biotechnology	3+1=4
<b>GOR 431</b> Andrology & Artificial Insemination	2+1.5=3.5	<b>GOR 431</b> Andrology & Artificial Insemination	2+1=3
<b>GOR 461</b> Reproductive Immunology & Obstetrics	3+1.5=4.5	<b>GOR 461</b> Reproductive Immunology & Obstetrics	3+1=4
<b>GOR 462</b> Theriogenology of Wildlife, Zoo, Aquatic & Companion Animals	2+1.5=3.5	<b>GOR 462</b> Theriogenology of Wildlife, Zoo, Aquatic & Companion Animals	2+1=3
<b>GOR 501</b> Theriogenology (Clinics)	0+2=2.0	<b>GOR 501</b> Theriogenology (Clinics)	0+2=2
<b>Total</b>	<b>10+8=18.0</b>	<b>Total</b>	<b>10+6=16</b>

## Department of Animal Science & Nutrition (ASN)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
<b>ASN 101</b> General Animal Science	2+1.5=3.5	<b>ASN 101</b> General Animal Science	2+1=3
<b>ASN 102</b> Fodder Production	2+1.5=3.5	<b>ASN 161</b> Draught and Meat Animal Production & Management	2+1=3
<b>ASN 161</b> Draught and Meat Animal Production & Management	2+1.5=3.5	<b>ASN 201</b> Fodder Production	2+1=3
<b>ASN 231</b> Wildlife, Zoo, Aquatic & Companion Animal Management	2+1.5=3.5	<b>ASN 231</b> Wildlife, Zoo, Aquatic & Companion Animal Management	2+1=3
<b>ASN 261</b> Ruminant Nutrition, Feeds & Feeding	2+1.5=3.5	<b>ASN 261</b> Non-ruminant Nutrition, Feeds & Feeding	2+1=3
<b>ASN 331</b> Non-ruminant Nutrition, Feeds & Feeding	2+1.5=3.5	<b>ASN 331</b> Meat Science, Wool Technology and Byproduct Management	3+1=4
<b>ASN 361</b> Meat and Wool Technology & Livestock Waste Management	3+1.5=4.5	<b>ASN 361</b> Ruminant Nutrition, Feed & Feeding	2+1=3
<b>Total</b>	<b>15+10.5=25.5</b>	<b>Total</b>	<b>15+7=22</b>

## Department of Dairy & Poultry Science (DPS)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
<b>DPS 131</b> General Poultry Science	2+1.5=3.5	<b>DPS 131</b> General Poultry Science	2+1=3
<b>DPS 161</b> General Dairy Science	2+1.5=3.5	<b>DPS 161</b> General Dairy Science	2+1=3
<b>DPS 201</b> Poultry Production & Management	3+1.5=4.5	<b>DPS 201</b> Poultry Production & Management	3+1=4
<b>DPS 261</b> Dairy Animal Production & Management	2+1.5=3.5	<b>DPS 261</b> Dairy Animal Production & Management	2+1=3
<b>DPS 331</b> Dairy & Poultry Product Technology	2+1.5=3.5	<b>DPS 331</b> Dairy & Poultry Product Technology	2+1=3
<b>DPS 401</b> Breeder Farm Management & Hatchery Operation	2+1.5=3.5	<b>DPS 401</b> Breeder Farm Management & Hatchery Operation	2+1=3
<b>Total</b>	<b>13+9=22.0</b>	<b>Total</b>	<b>13+6=19</b>

### Department Animal Breeding & Genetics (ABG)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
ABG 231 Animal Genetics	3+1.5=4.5	ABG 201 Animal Genetics	3+1=4
ABG 301 Animal Breeding	3+1.5=4.5	ABG 361 Animal Breeding	3+1=4
<b>Total</b>	<b>6+3=9.0</b>	<b>Total</b>	<b>6+2=8</b>

### Other Departments of BSMRAU

#### Department of Agricultural Economics (AEC)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
AEC 201 Livestock Production Economics	3+0=3.0	AEC 201 Livestock Production Economics	3+0=3
<b>Total</b>	<b>3+0=3.0</b>	<b>Total</b>	<b>3+0=3</b>

#### Department of Biochemistry and Molecular Biology (BMB)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
BMB 131 Biophysics & Chemistry of Biomolecules	3+1.5=4.5	BMB 131 Biophysics & Chemistry of Biomolecules	3+1=4
BMB 161 Metabolism of Biomolecules	3+0=3.0	BMB 161 Metabolism of Biomolecules	3+0=3
<b>Total</b>	<b>6+1.5=7.5</b>	<b>Total</b>	<b>6+1=7</b>

#### Department of Computer Science and Information Technology (CST)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
CST 131 Computer Application	0+1.5=1.5	CST 131 Computer Application	0+1=1
<b>Total</b>	<b>0+1.5=1.5</b>	<b>Total</b>	<b>0+1=1</b>

#### Department of Statistics (STT)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
STT 361 Biostatistics	3+1.5=4.5	STT 331 Biostatistics	3+1=4
<b>Total</b>	<b>3+1.5=4.5</b>	<b>Total</b>	<b>3+1=4</b>

#### Department of Agri-business (AGB)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
AGB 501 Livestock and Poultry Marketing & Agri-business	3+0=3.0	AGB 501 Livestock and Poultry Marketing & Agri-business	3+0=3
<b>Total</b>	<b>3+0=3.0</b>	<b>Total</b>	<b>3+0=3</b>

## Department of Agricultural Extension & Rural Development (AER)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
AER 461 Veterinary Extension Education	3+1.5=4.5	AER 461 Veterinary Extension Education	3+1=4
<b>Total</b>	<b>3+1.5=4.5</b>	<b>Total</b>	<b>3+1=4</b>

## Newly Introduced General Subjects

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
		GEU 101 Communicative English	2+0=2
		GEU 301 Career Planning & Development	2+0=2
		GEU 131 History of the Rise of Bangladesh	2+0= 2
<b>Total</b>		<b>Total</b>	<b>6+0=6</b>

## Internship Program (INT)

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
INT 531 Internship I	12	INT 531 Internship I	12
INT 531 Internship II	16	INT 531 Internship II	16
<b>Total</b>	<b>28</b>	<b>Total</b>	<b>28</b>

## Proposed Revised Curricular Layout of DVM Program

**1<sup>st</sup> Year**

**Summer Term**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
ANH 101 Gross Anatomy I	3+1.5=4.5	ANH 101 Gross Anatomy I	3+1=4
ANH 102 General Histology & Embryology	3+1.5=4.5	ANH 102 General Histology & Embryology	3+1=4
MPH 101 Animal Hygiene & Bio-security	2+1.5=3.5	MPH 101 Animal Hygiene & Bio-security	2+1=3
ASN 101 General Animal Science	2+1.5=3.5	ASN 101 General Animal Science	2+1=3
ASN 102 Fodder Production	2+1.5=3.5	GEU 101 Communicative English	2+0=2
<b>Total</b>	<b>12+7.5=19.5</b>	<b>Total</b>	<b>12+4=16</b>

**1<sup>st</sup> Year**

**Autumn Term**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
ANH 131 Gross Anatomy II	3+1.5=4.5	ANH 131 Gross Anatomy II	3+1=4
ANH 132 Systemic Histology	3+1.5=4.5	ANH 132 Systemic Histology	3+1=4
DPS 131 General Poultry Science	2+1.5=3.5	DPS 131 General Poultry Science	2+1=3
BMB 131 Biophysics & Chemistry of Biomolecules	3+1.5=4.5	BMB 131 Biophysics & Chemistry of Biomolecules	3+1=4
CST 131 Computer Application	0+1.5=1.5	CST 131 Computer Application	0+1=1
		GEU 131 History of the Rise of Bangladesh	2+0= 2
<b>Total</b>	<b>11+7.5=18.5</b>	<b>Total</b>	<b>13+5=18</b>

**1<sup>st</sup> Year**

**Winter Term**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
PHP 161 General Physiology	3+1.5=4.5	PHP 161 General Physiology	3+1=4
MPH 161 General Microbiology	3+1.5=4.5	MPH 161 General Microbiology	3+1=4
ASN 161 Draught and Meat Animal Production & Management	2+1.5=3.5	ASN 161 Draught and Meat Animal Production & Management	2+1=3
DPS 161 General Dairy Science	2+1.5=3.5	DPS 161 General Dairy Science	2+1=3
BMB 161 Metabolism of Biomolecules	3+0=3.0	BMB 161 Metabolism of Biomolecules	3+0=3
<b>Total</b>	<b>13+6=19.0</b>	<b>Total</b>	<b>13+4=17</b>

2<sup>nd</sup> Year

## Summer Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
ANH 201 Comparative Anatomy & Neuroanatomy	0+1.5=1.5	ASN 201 Fodder Production	2+1=3
PHP 201 Systemic Physiology	3+1.5=4.5	PHP 201 Systemic Physiology	3+1=4
PBL 201 General Parasitology & Entomology	3+1.5=4.5	ABG 201 Animal Genetics	3+1=4
DPS 201 Poultry Production & Management	3+1.5=4.5	DPS 201 Poultry Production & Management	3+1=4
AEC 201 Livestock Production Economics	3+0=3.0	AEC 201 Livestock Production Economics	3+0=3
<b>Total</b>	<b>12+6=18.0</b>	<b>Total</b>	<b>14+4=18</b>

2<sup>nd</sup> Year

## Autumn Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
PHP 231 Nutritional Physiology	2+0=2	PHP 231 Nutritional Physiology	2+0=2
MPH 231 Systemic Bacteriology & Mycology	3+1.5=4.5	MPH 231 Systemic Bacteriology & Mycology	3+1=4
PBL 231 General & Nutritional Pathology	3+1.5=4.5	PBL 231 General & Nutritional Pathology	3+1=4
ASN 231 Wildlife, Zoo, Aquatic & Companion Animal Management	2+1.5=3.5	ASN 231 Wildlife, Zoo, Aquatic & Companion Animal Management	2+1=3
ABG 231 Animal Genetics	3+1.5=4.5	PBL 232 General Parasitology & Entomology	3+1=4
<b>Total</b>	<b>13+6=19.0</b>	<b>Total</b>	<b>13+4=17</b>

2<sup>nd</sup> Year

## Winter Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
PHP 261 General Pharmacology & Therapeutics	3+1.5=4.5	PHP 261 General Pharmacology & Therapeutics	3+1=4
MPH 261 Virology	3+1.5=4.5	MPH 261 Virology	3+1=4
PBL 261 Helminthology & Malacology	3+1.5=4.5	PBL 261 Helminthology & Malacology	3+1=4
ASN 261 Ruminant Nutrition, Feeds & Feeding	2+1.5=3.5	ASN 261 Non-ruminant Nutrition, Feeds & Feeding	2+1=3
DPS 261 Dairy Animal Production & Management	2+1.5=3.5	DPS 261 Dairy Animal Production & Management	2+1=3
		ANH 261 Comparative Anatomy & Neuroanatomy	0+1=1
<b>Total</b>	<b>13+7.5=20.5</b>	<b>Total</b>	<b>13+6=19</b>

**3rd Year**

**Summer Term**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
PHP 301 Systemic Pharmacology	3+0=3.0	PHP 301 Systemic Pharmacology	3+0=3
MPH 301 Immunology, Serology & Molecular Techniques	2+1.5=3.5	MPH 301 Immunology, Serology & Molecular Techniques	2+1=3
PBL 301 Protozoology	3+1.5=4.5	PBL 301 Protozoology	3+1=4
PBL 302 Systemic Pathology & Oncology	3+1.5=4.5	PBL 302 Systemic Pathology & Oncology	3+1=4
ABG 301 Animal Breeding	3+1.5=4.5	GEU 301 Career Planning & Development	2+0=2
<b>Total</b>	<b>14+6=20.0</b>	<b>Total</b>	<b>13+3=16</b>

**3rd Year**

**Autumn Term**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
PHP 331 Toxicology	3+1.5=4.5	PHP 331 Toxicology	3+1=4
PBL 331 Pathology of Infectious Diseases	3+0=3	PBL 331 Pathology of Infectious Diseases	3+0=3
ASN 331 Non-ruminant Nutrition, Feeds & Feeding	2+1.5=3.5	ASN 331 Meat Science, Wool Technology and Byproduct Management	3+1=4
DPS 331 Dairy & Poultry Product Technology	2+1.5=3.5	DPS 331 Dairy & Poultry Product Technology	2+1=3
STC 331 Biostatistics	3+1.5=4.5	STC 331 Biostatistics	3+1=4
<b>Total</b>	<b>13+6=19.0</b>	<b>Total</b>	<b>14+4=18</b>

**3rd Year**

**Winter Term**

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
ANH 361 Topographic & Surgical Anatomy	0+1.5=1.5	ANH 361 Topographic & Surgical Anatomy	0+1=1
PBL 361 Avian Pathology	3+1.5=4.5	PBL 361 Avian Pathology	3+1=4
MED 361 General Medicine	3+1.5=4.5	MED 361 General Medicine	3+1=4
SRA 361 General Surgery	3+1.5=4.5	SRA 361 General Surgery	3+1=4
ASN 361 Meat and Wool Technology & Waste Management	3+1.5=4.5	ABG 361 Animal Breeding	3+1=4
		ASN 361 Ruminant Nutrition, Feed & Feeding	2+1=3
<b>Total</b>	<b>12+7.5=19.5</b>	<b>Total</b>	<b>14+6=20</b>



4<sup>th</sup> Year

## Summer Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
MED 401 Farm Animal Medicine	3+1.5=4.5	MED 401 Farm Animal Medicine	3+1=4
SRA 401 Anesthesiology	2+1.5=3.5	SRA 401 Anesthesiology	2+1=3
SRA 402 Radiology & Imaging	2+1.5=3.5	SRA 402 Radiology & Imaging	2+1=3
GOR 401 Gynecology & Reproductive Biotechnology	3+1.5=4.5	GOR 401 Gynecology & Reproductive Biotechnology	3+1=4
DPS 401 Breeder Farm Management & Hatchery Operation	2+1.5=3.5	DPS 401 Breeder Farm Management & Hatchery Operation	2+1=3
<b>Total</b>	<b>12+7.5=19.5</b>	<b>Total</b>	<b>12+5=17</b>

4<sup>th</sup> Year

## Autumn Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
MPH 431 Dairy Microbiology & Food Hygiene	3+1.5=4.5	MPH 431 Dairy Microbiology & Food Hygiene	3+1=4
MED 431 Epidemiology & Preventive Medicine	3+1.5=4.5	MED 431 Epidemiology & Preventive Medicine	3+1=4
MED 432 Avian Medicine	3+1.5=4.5	MED 432 Avian Medicine	3+1=4
SRA 431 Farm Animal Surgery	3+1.5=4.5	SRA 431 Farm Animal Surgery	3+1=4
GOR 431 Andrology & Artificial Insemination	2+1.5=3.5	GOR 431 Andrology & Artificial Insemination	2+1=3
<b>Total</b>	<b>14+7.5=21.5</b>	<b>Total</b>	<b>14+5=19</b>

4<sup>th</sup> Year

## Winter Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
		MED 461 Metabolic & Nutritional Diseases of Farm Animals	2+0=2
MED 461 Wildlife, Zoo, Aquatic & Companion Animal Medicine	3+1.5=4.5	MED 462 Wildlife, Zoo, Aquatic & Companion Animal Medicine	3+1=4
SRA 461 Wildlife, Zoo, Aquatic & Companion Animal Surgery	2+1.5=3.5	SRA 461 Wildlife, Zoo, Aquatic & Companion Animal Surgery	2+1=3
GOR 461 Reproductive Immunology & Obstetrics	3+1.5=4.5	GOR 461 Reproductive Immunology & Obstetrics	3+1=4
GOR 462 Theriogenology of Wildlife, Zoo, Aquatic & Companion Animals	2+1.5=3.5	GOR 462 Theriogenology of Wildlife, Zoo, Aquatic & Companion Animals	2+1=3
AER 461 Veterinary Extension Education	3+1.5=4.5	AER 461 Veterinary Extension Education	3+1=4
<b>Total</b>	<b>13+7.5=20.5</b>	<b>Total</b>	<b>15+5=20</b>

5<sup>th</sup> Year

## Summer Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits T+P=Total	Courses with Code	Credits T+P=Total
<b>PHP 501</b> Clinical Pharmacology & Pharmacy	0+2=2	<b>PHP 501</b> Clinical Pharmacology & Pharmacy	0+2=2
<b>MPH 501</b> Public Health & Zoonoses	2+0=2	<b>MPH 501</b> Public Health & Zoonoses	2+0=2
<b>PBL 501</b> Clinical Pathology & Necropsy	0+2=2	<b>PBL 501</b> Clinical Pathology & Necropsy	0+2=2
<b>MED 501</b> Metabolic & Nutritional Diseases of Farm Animals	2+0=2	<b>MED 501</b> Forensic Medicine, Jurisprudence & Animal Welfare	3+0=3
<b>MED 502</b> Forensic Medicine, Jurisprudence & Animal Welfare	3+0=3	<b>MED 502</b> Medicine (Clinics)	0+2=2
<b>MED 503</b> Medicine (Clinics)	0+2=2	<b>SRA 501</b> Surgery (Clinics)	0+2=2
<b>SRA 501</b> Surgery (Clinics)	0+2=2	<b>GOR 501</b> Theriogenology (Clinics)	0+2=2
<b>GOR 501</b> Theriogenology (Clinics)	0+2=2	<b>AGB 501</b> Livestock and Poultry Marketing & Agri-business	3+0=3
<b>AGB 501</b> Livestock and Poultry Marketing & Agri-business	3+0=3		
<b>Total</b>	<b>10+10=20</b>	<b>Total</b>	<b>8+10=18</b>

**INTERNSHIP PROGRAMME**5<sup>th</sup> Year

## Autumn Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits	Courses with Code	Credits
<b>INT 531 Internship Program I:</b> Includes- Feed Processing & Milling Practices Beef & Goat Farm Practices Public Health & Slaughterhouse Practices Diagnostic Practices Hospital Practices (Farm Animals) Fertility & AI Practices	12	<b>INT 531 Internship Program I:</b> Includes- Feed Processing & Milling Practices Beef & Goat Farm Practices Public Health & Slaughterhouse Practices Diagnostic Practices Hospital Practices (Farm Animals) Fertility & AI Practices	12
<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>

5<sup>th</sup> Year

## Winter Term

Existing Course Curricula		Proposed Course Curricula	
Courses with Code	Credits	Courses with Code	Credits
<b>INT 532 Internship Program II:</b> Includes- Poultry Farm Practices Aquatic, Zoo & Wildlife Practices Vaccine Production Practices On-farm Clinical Practices Hospital Practices (Pet Animals) Rural Camp Practices (Motivation, Extension, Treatment & Vaccination) Board Exam	16	<b>INT 532 Internship Program II:</b> Includes- Poultry Farm Practices Aquatic, Zoo & Wildlife Practices Vaccine Production Practices On-farm Clinical Practices Hospital Practices (Pet Animals) Rural Camp Practices (Motivation, Extension, Treatment & Vaccination) Board Examination	16
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

### Year-wise Total Credit Hours

Existing Course Curricula		Proposed Course Curricula	
Year	Credits (Term 1+2+3)	Year	Credits (Term 1+2+3)
1 <sup>st</sup> Year	$(12+7.5=19.5)+(11+7.5=18.5)+(13+6=19) = 57$	1 <sup>st</sup> Year	$(12+4=16)+(13+5=18)+(13+4=17) = 51$
2 <sup>nd</sup> Year	$(12+6=18)+(13+6=19)+(13+7.5=20.5) = 57.5$	2 <sup>nd</sup> Year	$(14+4=18)+(14+5=19)+(12+5=17) = 54$
3 <sup>rd</sup> Year	$(14+6=20)+(13+6=19)+(12+7.5=19.5) = 58.5$	3 <sup>rd</sup> Year	$(13+3=16)+(14+4=18)+(14+6=20) = 54$
4 <sup>th</sup> Year	$(12+7.5=19.5)+(14+7.5=21.5)+(13+7.5=20.5) = 61.5$	4 <sup>th</sup> Year	$(12+5=17)+(14+5=19)+(15+5=20) = 56$
5 <sup>th</sup> Year	$(10+10=20)+(12)+(16) = 48$	5 <sup>th</sup> Year	$(8+10=18)+(12)+(16) = 46$
<b>Total</b>	<b>282.5</b>	<b>Total</b>	<b>261</b>