

## First level:

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
<b>BIO1101</b>	Biology	—	2	2	3	10	10	15	15	50	100
<b>CHS1102</b>	Chemistry	—	2	2	3	10	10	15	15	50	100
<b>PHS1103</b>	Biophysics	—	1	2	2	10	10	15	15	50	100
<b>AHA1101</b>	Animal histology I	—	2	2	3	10	10	15	15	50	100
<b>CDL1101</b>	Biostatistics	—	2	2	3	10	10	15	15	50	100
<b>AHA1103</b>	Animal anatomy I	—	3	2	4	10	10	15	15	50	100
<b>LVT1107</b>	*Language and veterinary terms	—	1	—	1	30	20	—	—	50	100
<b>Second semester</b>											
<b>AHA1204</b>	Animal anatomy II	AHA1103	3	2	4	10	10	15	15	50	100
<b>AHA1202</b>	Animal histology II	AHA1101	2	2	3	10	10	15	15	50	100
<b>APB1201</b>	Animal physiology I	—	2	2	3	10	10	15	15	50	100
<b>APB1203</b>	Biochemistry	CHS1102	3	2	4	10	10	15	15	50	100
<b>CDL1202</b>	Animal behavior	—	2	2	3	10	10	15	15	50	100
<b>CDL1203</b>	Genetics and genetic engineering	—	2	2	3	10	10	15	15	50	100
	Total			24	39						

\*Only theoretical exam

## Second level:

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
APB2102	Animal physiology II	APB1201	2	2	3	10	10	15	15	50	100
APB2104	Biochemistry II	APB1203	3	2	4	10	10	15	15	50	100
CDL2205	Animal production	CDL1203	2	2	3	10	10	15	15	50	100
MPA2101	.Bacteriology and fungi I	BIO1101	2	2	3	10	10	15	15	50	100
MPA2104	.Animal parasitology I	BIO1101	2	2	3	10	10	15	15	50	100
GEN2101	Scientific thinking skills * and report writing	-	1		1	30	20	—	—	50	100
	GEN * University requirement	-	1		1	30	20	—	—	50	100
<b>Second semester</b>											
MPA2202	Bacteriology and Mycology II	MPA2101	2	2	3	10	10	15	15	50	100
MPA2205	.Animal parasitology II	MPA2104	2	2	3	10	10	15	15	50	100
CDL2204	Animal management	CDL2205	1	2	2	10	10	15	15	50	100
GEN2202	*Human rights	-	1	—	1	30	20	—	—	50	100
MPA2203	Immunology	APB2104	2	2	3	10	10	15	15	50	100
PCP2201	Animal pathology I	AHA1204, AHA1202	2	2	3	10	10	15	15	50	100
	GEN * University requirement	-	1		1	30	20	—	—	50	100
	Total	-	24	20	34						

\*Only theoretical exam

## Third level

### First: the study plan for the food safety program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
VHP3101	.Animal nutrition I	APB2104	2	2	3	10	10	15	15	50	100
MPA3106	Virology	APB2104	2	2	3	10	10	15	15	50	100
PCP3102	Animal pathology II	PCP2201	2	2	3	10	10	15	15	50	100
PFT3101	Pharmacology I	APB2104	2	2	3	10	10	15	15	50	100
CDL3106	Economy and farm management	CDL1101	1	2	2	10	10	15	15	50	100
CDL3109	* Professional ethics	-	1	—	1	30	20	—	—	50	100
ELE	Specific elective course		1	2	2	10	10	15	15	50	100
	GEN * University requirement	-	1		1	30	20	—	—	50	100
<b>Second semester</b>											
PCP3203	Clinical pathology	MPA3106, MPA2202,MPA2205,	2	2	3	10	10	15	15	50	100
VHP3202	.Animal nutrition II	VHP3101	2	2	3	10	10	15	15	50	100
PFT3202	Pharmacology II	PFT3201	2	2	3	10	10	15	15	50	100
FHC3201	Health control on milk	MPA3106, MPA2202,MPA2205,	2	2	3	10	10	15	15	50	100
FHC3203	Health control on meat I	MPA3106, MPA2202,MPA2205, PCP3102	2	2	3	10	10	15	15	50	100
FHC3205	Food poisoning	MPA3106, MPA2202,MPA2205,	1	2	2	10	10	15	15	50	100
	Total		23	24	35						

Specific elective courses											
CDL 3107	History of veterinary medicine		1	2	2	10	10	15	15	50	100
CDL 3108	Food animal welfare		1	2	2	10	10	15	15	50	100
FHC 3114	Food sampling plans		1	2	2	10	10	15	15	50	100
FHC 3115	Food and health education		1	2	2	10	10	15	15	50	100
FHC 3116	Food and genetic engineering		1	2	2	10	10	15	15	50	100
VHP3106	Feed additives		1	2	2	10	10	15	15	50	100
FHC 3117	Microbial safety of animal-based food		1	2	2	10	10	15	15	50	100

\*Only theoretical exam

## Second: the study plan for the animal medicine and surgery program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
VHP3101	.Animal nutrition I	APB2104	2	2	3	10	10	15	15	50	100
MPA3106	Virology	APB2104	2	2	3	10	10	15	15	50	100
PCP3102	Animal pathology II	PCP2201	2	2	3	10	10	15	15	50	100
PFT3101	Pharmacology I	APB2104	2	2	3	10	10	15	15	50	100
CDL3106	Economy and farm management	CDL1101	1	2	2	10	10	15	15	50	100
CDL3109	* Professional ethics	-	1	—	1	30	20	—	—	50	100
ELE	Specific elective course		1	2	2	10	10	15	15	50	100
	gen * University requirement	-	1		1	30	20	—	—	50	100
<b>Second semester</b>											
PCP3203	Clinical pathology	MPA3106, MPA2202,MPA2205,	2	2	3	10	10	15	15	50	100
VHP3202	.Animal nutrition II	VHP3101	2	2	3	10	10	15	15	50	100
PFT3202	Pharmacology II	PFT3201	2	2	3	10	10	15	15	50	100
FHC3201	Health control on milk	MPA3106, MPA2202,MPA2205,	2	2	3	10	10	15	15	50	100
FHC3203	Health control on meat I	MPA3106, MPA2202,MPA2205, PCP3102	2	2	3	10	10	15	15	50	100
MID3207	Clinical laboratory diagnosis	MPA3106, MPA2202 (MPA2205	1	2	2	10	10	15	15	50	100
	<b>Total</b>		23	24	35						

**Specific elective courses**

<b>CDL 3107</b>	<b>History of veterinary medicine</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>50</b>	<b>100</b>
<b>CDL 3108</b>	<b>Food animal welfare</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>50</b>	<b>100</b>
<b>CDL 3110</b>	<b>Wild animal management</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>50</b>	<b>100</b>
<b>FHC 3115</b>	<b>Food and health education</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>50</b>	<b>100</b>
<b>VHP3110</b>	<b>Ostrich nutrition</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>50</b>	<b>100</b>
<b>VHP3106</b>	<b>Feed additives</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>50</b>	<b>100</b>
<b>FHC 3117</b>	<b>Microbial safety of animal-based food</b>		<b>1</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>50</b>	<b>100</b>

\*Only theoretical exam

### Third: the study plan for pet animals program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
VHP3101	Animal nutrition I	APB2104	2	2	3	10	10	15	15	50	100
MPA3106	Virology	APB2104	2	2	3	10	10	15	15	50	100
PCP3102	Animal pathology II	PCP2201	2	2	3	10	10	15	15	50	100
PFT3101	Pharmacology I	APB2104	2	2	3	10	10	15	15	50	100
CDL3106	Economy and farm management	CDL1101	1	2	2	10	10	15	15	50	100
CDL3109	* Professional ethics	-	1	—	1	30	20	—	—	50	100
ELE	Specific elective course		1	2	2	10	10	15	15	50	100
	GEN * University requirement	-	1		1	30	20	—	—	50	100
<b>Second semester</b>											
PCP3203	Clinical pathology	MPA3106, MPA2202,MPA2205,	2	2	3	10	10	15	15	50	100
VHP3202	Animal nutrition II	VHP3101	2	2	3	10	10	15	15	50	100
PFT3202	Pharmacology II	PFT3201	2	2	3	10	10	15	15	50	100
FHC3201	Health control on milk	MPA3106, MPA2202,MPA2205,	2	2	3	10	10	15	15	50	100
FHC3203	Health control on meat I	MPA3106, MPA2202,MPA2205, PCP3102	2	2	3	10	10	15	15	50	100
MID3207	Clinical laboratory diagnosis	MPA3106, MPA2202 ,MPA2205	1	2	2	10	10	15	15	50	100
	<b>Total</b>		<b>23</b>	<b>24</b>	<b>35</b>						

Specific elective courses											
CDL 3107	History of veterinary medicine		1	2	2	10	10	15	15	50	100
CDL 3111	Behavior problems of Pet		1	2	2	10	10	15	15	50	100
CDL 3110	Wild animal management		1	2	2	10	10	15	15	50	100
CDL 3112	Small animal business plan		1	2	2	10	10	15	15	50	100
VHP3110	Ostrich nutrition		1	2	2	10	10	15	15	50	100
MPA3107	Internal parasites of cats		1	2	2	10	10	15	15	50	100
CDL 3113	Dog psychology and training		1	2	2	10	10	15	15	50	100

\*only theoretical exam



## Forth level

### First: the study plan for the food safety program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
<b>FHC4102</b>	Hygiene of milk products, fats and eggs	FHC3201	2	2	3	10	10	15	15	50	100
<b>FHC4104</b>	Meat hygiene II	FHC3203	2	2	3	10	10	15	15	50	100
<b>MID4101</b>	Internal medicine	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
<b>MID4103</b>	Infectious diseases I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
<b>PRF4101</b>	Poultry and rabbit diseases I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
<b>PFT4103</b>	Veterinary toxicology	PFT3202 PCP3102,	2	2	3	10	10	15	15	50	100
<b>FHC4106</b>	Animal byproducts	FHC3203	1	2	2	10	10	15	15	50	100
<b>Second semester</b>											
<b>FHC4207</b>	Food technology	FHC4102 FHC4104	2	2	3	10	10	15	15	50	100
<b>MID4202</b>	Internal medicine II	MID4201	3	2	4	10	10	15	15	50	100
<b>MID4204</b>	Infectious diseases II	MID4203	2	2	3	10	10	15	15	50	100
<b>PRF4202</b>	Poultry and rabbit diseases II	PRF4201	2	2	3	10	10	15	15	50	100
<b>VHP4203</b>	Animal hygiene	PCP3203	2	2	3	10	10	15	15	50	100
<b>FHC4208</b>	Food safety for catering sectors	FHC4102 FHC4104	2	2	3	10	10	15	15	50	100
<b>ELE</b>	Specific elective course		1	2	2	10	10	15	15	50	100
	Total		27	28	41						

**Specific elective courses**

<b>VHP4207</b>	Cleaning and sterilization		1	2	2	10	10	15	15	50	100
<b>VHP4208</b>	One health		1	2	2	10	10	15	15	50	100
<b>FHC4218</b>	Food additives		1	2	2	10	10	15	15	50	100
<b>FHC4219</b>	Human nutrition		1	2	2	10	10	15	15	50	100
<b>FHC4220</b>	Food enzymes		1	2	2	10	10	15	15	50	100
<b>FHC4221</b>	Nutrition and pharmacological nutrients		1	2	2	10	10	15	15	50	100

## Second: the study plan for the animal medicine and surgery program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
FHC4102	Hygiene of milk products, fats and eggs	FHC3201	2	2	3	10	10	15	15	50	100
FHC4104	Meat hygiene II	FHC3203	2	2	3	10	10	15	15	50	100
MID4101	Internal medicine I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
MID4103	Infectious diseases I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
PRF4101	Poultry and rabbit diseases I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
PFT4103	Veterinary toxicology	PFT3202 PCP3102,	2	2	3	10	10	15	15	50	100
ELE	Specific elective course		1	2	2	10	10	15	15	50	100
<b>Second semester</b>											
MID4208	Equine sports medicine	MID4201	2	2	3	10	10	15	15	50	100
MID4202	Internal medicine II	MID4201	2	2	3	10	10	15	15	50	100
MID4204	Infectious diseases II	MID4203	2	2	3	10	10	15	15	50	100
PRF4202	Poultry and rabbit diseases II	PRF4201	2	2	3	10	10	15	15	50	100
VHP4203	Animal hygiene	PCP3203	2	2	3	10	10	15	15	50	100
MID4209	Clinical wildlife and zoo-animal medicine	MID4201	2	2	3	10	10	15	15	50	100
PRF4203	Fish diseases	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
	Total		27	28	41						

**Specific elective courses**

<b>VHP4107</b>	Cleaning and sterilization	1	2	2		10	10	15	15	50	100
<b>VHP4108</b>	One health	1	2	2		10	10	15	15	50	100
<b>FHC4124</b>	Application of HACCP system in dairy farms	1	2	2		10	10	15	15	50	100
<b>VHP4111</b>	Nutrition of pet animals	1	2	2		10	10	15	15	50	100
<b>PCP4104</b>	Pathological diagnosis of farm animals	1	2	2		10	10	15	15	50	100
<b>VHP4112</b>	Pathogen control in animal manure	1	2	2		10	10	15	15	50	100
<b>VHP4113</b>	Transboundary and emerging diseases of animals	1	2	2		10	10	15	15	50	100

### Third: the study plan for the pet animals program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
FHC4102	Hygiene of milk products, fats and eggs	FHC3201	2	2	3	10	10	15	15	50	100
FHC4104	Meat hygiene II	FHC3203	2	2	3	10	10	15	15	50	100
MID4101	Internal medicine I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
MID4103	Infectious diseases I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
PRF4101	Poultry and rabbit diseases I	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
PFT4103	Veterinary toxicology	PFT3202 PCP3102,	2	2	3	10	10	15	15	50	100
ELE	Specific elective course		1	2	2	10	10	15	15	50	100
<b>Second semester</b>											
MID4212	Pet clinical neurology	MID4101	2	2	3	10	10	15	15	50	100
SIR4201	Animal surgery I	PCP3102. PFT3202	2	2	3	10	10	15	15	50	100
MID4204	Infectious diseases II	MID4203	2	2	3	10	10	15	15	50	100
PRF4202	Poultry and rabbit diseases II	PRF4201	2	2	3	10	10	15	15	50	100
VHP4203	Animal hygiene	PCP3203	2	2	3	10	10	15	15	50	100
MID4209	Clinical wildlife and zoo-animal medicine	MID4101	2	2	3	10	10	15	15	50	100
PRF4203	Fish diseases	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
	Total		25	32	41						

**Specific elective courses**

<b>VHP4107</b>	Cleaning and sterilization		1	2	2	10	10	15	15	50	100
<b>VHP4108</b>	One health		1	2	2	10	10	15	15	50	100
<b>SIR4107</b>	First aid for dogs and cats		1	2	2	10	10	15	15	50	100
<b>VHP4110</b>	Nutrition of pet animals		1	2	2	10	10	15	15	50	100
<b>PCP4104</b>	Pathological diagnosis of farm animals		1	2	2	10	10	15	15	50	100
<b>MID4115</b>	Pet clinical emergency and critical care medicine		1	2	2	10	10	15	15	50	100

## Fifth level

### First: the study plan for the food safety program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
OTC5101	Animal gynecology & andrology	PCP3203	3	2	4	10	10	15	15	50	100
SIR5101	Animal surgery I	PCP3102. PFT3202	3	2	4	10	10	15	15	50	100
VHP5104	Epidemiology veterinary	VHP4203	2	2	3	10	10	15	15	50	100
FHC5109	Food quality management system	FHC4207	1	2	2	10	10	15	15	50	100
PRF5103	Fish diseases	PCP3203 VHP3202 PFT3202	2	2	3	10	10	15	15	50	100
FHC5110	Sensory evaluation of food	FHC4207	1	2	2	10	10	15	15	50	100
MID5105	field veterinary medicine * (ambulatory clinic)	MID4202 MID4204	—	4	2	30		20	50		100
<b>Second semester</b>											
OTA5202	Animal obstetrics	OTC5101	3	2	4	10	10	15	15	50	100
SIR5204	Animal surgery	SIR5101	3	2	4	10	10	15	15	50	100
VHP5205	Zoonosis	VHP4203 FHC4207	2	2	3	10	10	15	15	50	100
PFT5204	Forensic medicine	PCP3102 PFT3202	2	2	3	10	10	15	15	50	100
FHC5211	Halal food	FHC4207	1	2	2	10	10	15	15	50	100
FHC5212	Practical training in places where slaughtering and processing foodstuffs	FHC4207	—	4	2	30		20	50		100

<b>FHC5213</b>	Food legislations & consumer **protection	FHC4207	1	----	1	30	20	—	—	50	100
<b>ELE</b>	Specific elective course		1	2	2	10	10	15	15	50	100
	Total		25	32	41						
<b>Specific elective courses</b>											
<b>FHC5222</b>	Canned and canned food		1	2	2	10	10	15	15	50	100
<b>PRF5204</b>	Fish health management		1	2	2	10	10	15	15	50	100
<b>FHC5223</b>	Residues of food of animal origin		1	2	2	10	10	15	15	50	100
<b>MID5206</b>	Vaccines; theory and practices		1	2	2	10	10	15	15	50	100
<b>VHP5209</b>	Veterinary legislation and general certification procedures		1	2	2	10	10	15	15	50	100

\* only practical exam will be held

\*\* only theoretical exam will be held



## Second: the study plan for the animal medicine and surgery program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
OTC5101	Animal gynecology & andrology	PCP3203	3	2	4	10	10	15	15	50	100
SIR5101	Animal surgery I	PFT3202 PCP3102	2	2	3	10	10	15	15	50	100
VHP5104	Veterinary epidemiology	VHP4203	2	2	3	10	10	15	15	50	100
MID5110	Disorders of Large-animal neonate	MID4202, MID4204	1	2	2	10	10	15	15	50	100
VHP5114	Public health	PCP3203 VHP3202	1	2	2	10	10	15	15	50	100
OTC5103	Reproduction in equines	MID4202, MID4204	2	2	3	10	10	15	15	50	100
MID5105	field veterinary * medicine (ambulatory clinic)	MID4202, MID4204	—	4	2	30		20	50		100
ELE	Specific elective course		1	2	2	10	10	15	15	50	100
<b>Second semester</b>											
OTA5202	Animal obstetrics	OTC5101	3	2	4	10	10	15	15	50	100
SIR5202	li animal surgery	SIR5101	2	2	3	10	10	15	15	50	100
VHP5205	Zoonosis	VHP4203	2	2	3	10	10	15	15	50	100
PFT5204	Forensic medicine	PCP3102 PFT3202	1	2	2	10	10	15	15	50	100
SIR5203	Pet animal medicine & surgery	MID4202 MID4204 SIR5101	2	2	3	10	10	15	15	50	100
FHC5212	practical training in * places where slaughtering and processing foodstuffs	FHC4102 FHC4104	—	4	2	30		20	50		100
SIR5204	Medicine & surgery of camels	Mid4202 Mid4204 sir5101	2	2	3	10	10	15	15	50	100

	Total		24	34	41						
<b>specific elective courses</b>											
<b>PRF5104</b>	Fish health management		1	2	2	10	10	15	15	50	100
<b>MID5111</b>	Introduction to shelter medicine		1	2	2	10	10	15	15	50	100
<b>MID5106</b>	Vaccines; theory and practices		1	2	2	10	10	15	15	50	100
<b>VHP5109</b>	Veterinary legislation and general certification procedures		1	2	2	10	10	15	15	50	100

\* only practical exam will be held

### Third: the study plan for the pet animals program

Code	Subject	Prerequisite	Theoretical hours	Practical hours	Total credited hours	Examination marks					Total marks
						Periodical	Med term	Oral	Practical	Written	
<b>First semester</b>											
OTC5101	Animal gynecology & andrology	PCP3203	3	2	4	10	10	15	15	50	100
SIR5105	Pet orthopedics	SIR4201	2	2	3	10	10	15	15	50	100
VHP5104	Veterinary epidemiology	VHP4203	2	2	3	10	10	15	15	50	100
SIR5106	Pet dentistry	SIR4201	1	2	2	10	10	15	15	50	100
VHP5114	Public health	PCP3203, VHP3202	1	2	2	10	10	15	15	50	100
MID5113	Pet dermatology	MID4202 MID4204	2	2	3	10	10	15	15	50	100
MID5105	Field veterinary medicine (ambulatory * clinic)	MID4202 MID4204	—	4	2	30		20	50		100
ELE	Specific elective course		1	2	2	10	10	15	15	50	100
<b>Second semester</b>											
OTA5202	Animal obstetrics	OTC5101	3	2	4	10	10	15	15	50	100
SIR5202	Animal surgery	SIR4201	2	2	3	10	10	15	15	50	100
VHP5205	Zoonosis	VHP4203	2	2	3	10	10	15	15	50	100
PFT5204	Forensic medicine	PCP3102 PFT3202	1	2	2	10	10	15	15	50	100
SIR5203	Pet animal medicine & surgery	SIR4201 MID4202 MID4204	2	2	3	10	10	15	15	50	100
MID5214	Practical training in places where pet *animals shelter	MID4202 MID4204	—	4	2	30		20	50		100
OTA5204	Pet reproduction	OTC5101	2	2	3	10	10	15	15	50	100
	Total		24	34	41						

**Specific elective courses**

<b>SIR5108</b>	Pet animal ophthalmology		1	2	2	10	10	15	15	50	100
<b>VHP5115</b>	Clinical nutrition of pets		1	2	2	10	10	15	15	50	100
<b>MID5111</b>	Introduction to shelter medicine		1	2	2	10	10	15	15	50	100
<b>MID5106</b>	Vaccines; theory and practices		1	2	2	10	10	15	15	50	100
<b>VHP5109</b>	Veterinary legislation and general certification procedures		1	2	2	10	10	15	15	50	100

\* only practical exam will be held

## University courses required for all programs

**First** - General compulsory courses (GEN requirements) and a theoretical exam is held for them only:

Code	Prerequisite	Course name	Credit hours
GEN2101	-	Scientific thinking skills and writing reports	1
GEN2202	-	Human rights	1

**Second** - General elective courses (GEN requirements) the student selects three of them during the second level and takes a theoretical exam only:

Code	Prerequisite	Course name	Credit hours
GEN2001	-	Arabic literature	1
GEN2002	-	Information technology	1
GEN2003	-	Industrial and environmental security	1
GEN2004	-	Problem-solving and decision-making skills	1
GEN2005	-	Psychology and communication skills	1
GEN2006	-	Egyptian history	1
GEN2007	-	Artistic taste	1
GEN2008	-	Savor the music	1