| **Study plan for Distinct Program in Ruminants Medicine, Surgery and Theriogenology**

| **Study plan for the first and second semesters, first level** |
| --- |
| **Level** | **semester** | **Course code and No.** | **Course name** | **Number of credit hours** | **Registration requirements** | **The great end of the score** |
| **Theoretical** | **practical** | **Total** |
| **first level** | **First semester** | **NDC. 111** | **لغة انجليزية وتعريفات** | **English Language & Terminology** | **2** | **-** | **2** | **-** | **50** |
| **NDC. 112** | **بيولوجيا (علم الحيوان)** | **Biology (Zoology)** | **1** | **2** | **2** | **-** | **50** |
| **NDC. 113** | **فيزياء حيوى** | **Biophysics** | **1** | **2** | **2** | **-** | **50** |
| **ANA. 114** | **تشريح (أ)** | **Anatomy (A)** | **2** | **3** | **3** | **-** | **100** |
| **CHI. 115** | **خلية وانسجة (أ)** | **Histology (A)** | **2** | **3** | **3** | **-** | **100** |
| **Total number of credit hours per week in the first semester** | **8** | **10** | **12** |  |  |
| **Second semester** | **NDC. 121** | **كـيــمـيــــــاء** | **Chemistry** | **2** | **2** | **3** | **-** | **100** |
| **NDC. 122** | **وراثة وتحسين وراثى** | **Genetics and Genetic Improvement** | **1** | **2** | **2** | **-** | **50** |
| **NDC. 123** | **حاسب آلى وتحليل إحصائى** | **Computer & Statistical Analysis** | **1** | **2** | **2** | **-** | **100** |
| **ANA. 124** | **تشريح (ب)** | **Anatomy (B)** | **3** | **3** | **4** | **ANA. 114** | **100** |
| **CHI. 125** | **خلية وانسجة (ب)** | **Histology (B)** | **2** | **3** | **3** | **CHI. 115** | **50** |
| **PMS. 126** | **تشريح المجترات والجمال** | **Anatomy of ruminants and camels** | **1** | **2** | **2** | **-** | **50** |
| **Total number of credit hours per week in the second semester** | **10** | **14** | **16** |  |  |
| **The total number of credit hours in the first level per week** | **18** | **24** | **28** |  |  |
| **General Elective Course** | **1** | **2** | **2** |  | **50** |

**Important note: General elective courses are not included in the total credit hours and are not included in the cumulative total**

| **Study plan for the first and second semesters, second level** |
| --- |
| **Level** | **semester** | **Course code and No.** | **Course name** | **Number of credit hours** | **Registration requirements** | **The great end of the score** |
| **Theoretical** | **practical** | **Total** |
| **Second level** | **First semester** | **BIC. 211** | **كيمياء حيوية وبيولوجيا جزيئية** | **Biochemistry & Molecular Biology** | **2** | **3** | **3** | **NDC. 121** | **100** |
| **PHY. 212** | **فسيولوجيا (أ)** | **Physiology (A)** | **2** | **3** | **3** | **ANA. 124****CHI. 125** | **100** |
| **NDC. 213** | **اقتصاد بيطرى** | **Veterinary Economics** | **1** | **2** | **2** | **NDC. 123** | **50** |
| **ANA. 214** | **تشريح (ج)** | **Anatomy (C)** | **2** | **3** | **3** | **ANA. 124** | **100** |
| **VHM.215** | **سلوكيات وحقوق الحيوان (أ)** | **Animal Welfare & Ethology (A)** | **2** | **2** | **3** | **-** | **100** |
| **PMS. 216** | **فسيولوجيا الهضم فى المجترات** | **Physiology of digestion in ruminants** | **1** | **2** | **2** | **ANA. 124****CHI. 125** | **50** |
| **PMS. 217** | **كيمياء حيوية وبيولوجيا جزيئية للمجترات** | **Biochemistry & Molecular Biology in ruminants** | **1** | **2** | **2** | **NDC. 121** | **50** |
| **Total number of credit hours per week in the first semester** | **11** | **17** | **18** |  |  |
|  | **General Elective Course** | **1** | **2** | **2** |  | **50** |
| **Second semester** | **BIC. 221** | **الايض الغذائى والسوائل الجسمية** | **Metabolism & Body Fluids** | **2** | **3** | **3** | **BIC. 211** | **100** |
| **PHY. 222** | **فسيولوجيا (ب)** | **Physiology (B)** | **2** | **3** | **3** | **PHY. 212** | **100** |
| **PAT. 223** | **باثولوجيا عام** | **General Pathology** | **2** | **2** | **3** | **CHI. 125** | **100** |
| **NDC. 224** | **انتاج حيوانى** | **Animal Production** | **1** | **2** | **2** | **NDC. 122** | **50** |
| **VHM.225** | **سلوكيات وحقوق الحيوان (ب)** | **Animal Welfare & Ethology (B)** | **1** | **2** | **2** | **-** | **50** |
| **BIC.226** | **اساسيات البيولوجيا الجزيئية**  | **Basic Molecular Biology( C)** | **1** | **2** | **2** | **BIC. 211** | **50** |
| **PMS, 227** | **سلوكيات المجترات و الجمال** | **Ruminants and camel welfare** | **2** | **2** | **3** | **-** | **100** |
| **Total number of credit hours per week in the second semesterاً** | **11** | **16** | **18** |  |  |
| **The total number of credit hours in the second level per week** | **22** | **33** | **36** |  |  |
| **General Elective Course** | **1** | **2** | **2** |  | **50** |

**Important note: General elective courses are not included in the total credit hours and are not included in the cumulative total**

| **Study plan for the first and second semesters, third level** |
| --- |
| **Level** | **semester** | **Course code and No.** | **Course name** | **Number of credit hours** | **Registration requirements** | **The great end of the score** |
| **Theoretical** | **practical** | **Total** |
| **Third level** | **First semester** | **PHA. 311** | **أدوية عام**  | **General Pharmacology** | **2** | **2** | **3** | **BIC. 221****PHY. 222** | **100** |
| **VIR. 312** | **فيروسات (أ)**  | **Virology (A)** | **1** | **3** | **2** | **BIC. 226** | **50** |
| **PAT. 313** | **باثولوجيا خاص**  | **Special Pathology** | **2** | **2** | **3** | **PAT. 223** | **100** |
| **MIC. 314** | **ميكروبيولوجيا عام ومناعة**  | **General Microbiology & Immunology** | **2** | **3** | **3** | **-** | **100** |
| **PAR. 315** | **طفيليات (أ)**  | **Parasitology (A)** | **2** | **2** | **3** | **NDC. 112** | **100** |
| **NCN. 316** | **تغذية**  | **Nutrition** | **2** | **2** | **3** | **BIC. 221** | **100** |
| **PMS. 317** | **تغذية المجترت** | **Nutrition of ruminants** | **1** | **2** | **2** | **BIC. 221** | **50** |
| **Total number of credit hours per week in the first semester** | **12** | **16** | **19** |  |  |
| **Second semester** | **PHA. 321** | **أدوية خاص**  | **Special Pharmacology** | **2** | **3** | **3** | **PHA. 311** | **100** |
| **VIR. 322** | **فيروسات (ب)**  | **Virology (B)** | **2** | **2** | **3** | **VIR. 312** | **100** |
| **PAT. 323** | **تشريح مرضى**  | **Morbid Anatomy** | **2** | **3** | **3** | **PAT. 313** | **100** |
| **MIC. 324** | **ميكروبيولوجيا خاص**  | **Special Microbiology** | **2** | **2** | **3** | **MIC. 314** | **100** |
| **PAR. 325** | **طفيليات (ب)**  | **Parasitology (B)** | **2** | **2** | **3** | **PAR. 315** | **100** |
| **TFM.326** | **سموم** | **Toxicology** | **2** | **2** | **3** | **PHA. 311** | **100** |
| **PMS. 327** | **أدوية المجترات** | **Pharmacology of ruminants** | **1** | **2** | **2** | **BIC. 221****PHY. 222** | **50** |
| **Total number of credit hours per week in the second semester** | **13** | **16** | **20** |  |  |
| **The total number of credit hours in the third level per week** | **25** | **32** | **39** |  |  |

| **Study plan for the first and second semesters, fourth level** |
| --- |
| **Level** | **semester** | **Course code and No.** | **Course name** | **Number of credit hours** | **Registration requirements** | **The great end of the score** |
| **Theoretical** | **practical** | **Total** |
| **المستوى الرابعFourth level** | **First semester** | **MID. 411** | **طب عام**  | **General Medicine** | **3** | **3** | **4** | **PHA. 311****PHY. 212** | **100** |
| **TFG. 412** | **طب شرعى وآداب المهنة**  | **Forensic Medicine & Vet. Ethics** | **1** | **2** | **2** | **-** | **50** |
| **VHM.413** | **اوبئة بيطرية**  | **Veterinary Epidemiology** | **1** | **2** | **2** | **-** | **50** |
| **CPA. 414** | **باثولوجيا اكلينيكية**  | **Clinical Pathology** | **2** | **3** | **3** | **-** | **100** |
| **VHM.415** | **صحة بيطرية (أ)** | **Veterinary Hygiene (A)** | **2** | **3** | **3** | **-** | **100** |
| **FOH. 416** | **رقابة صحية على الالبان (ا)**  | **Milk Hygiene (A)** | **2** | **3** | **3** | **-** | **100** |
| **FDM. 417** | **امراض الاسماك ورعايتها**  | **Fish Diseases & Management** | **2** | **3** | **3** | **-** | **100** |
| **PMS. 418** | **باثولوجيا المجترات** | **Ruminants pathology** | **1** | **2** | **2** | **PHA. 311****PHY. 212** | **50** |
| **Total number of credit hours per week in the first semestياً** | **14** | **21** | **22** |  |  |
| **Second semester** | **MID. 421** | **امراض باطنة خاص ( أ )**  | **Special Medicine (A)** | **3** | **3** | **4** | **MID. 411** | **100** |
| **NCN.422** | **تغذية اكلينيكية (ب)** | **Clinical Nutrition (B)** | **1** | **2** | **2** |  | **50** |
| **SAR. 423** | **جراحة عام وتخديروأشعة**  | **General Surgery, Anesthesia and Radiology** | **3** | **3** | **4** | **-** | **100** |
| **THG. 424** | **تناسل (أ)**  | **Gynecology (A)** | **2** | **3** | **3** | **-** | **100** |
| **VHM.425** | **صحة بيطرية وصحة قطيع (ب)** | **Vet. Hygiene & Herd Health (B)** | **1** | **2** | **2** | **-** | **50** |
| **FOH. 426** | **رقابة صحية (تكنولوجيا الالبان) (ب)**  | **Milk Hygiene &Technology(B)** | **1** | **2** | **2** | **FOH. 416** | **50** |
| **MID. 427** | **تشخيص إكلينيكى وعلاج حيوان (باطنة ومعدية)** | **Clinical Diagnosis & Animal Therapeutics (Medicine & Infectious Diseases)** | **1** | **2** | **2** | **MID. 411****CPA. 414** | **50** |
| **PMS. 428** | **طب الابل** | **Camel Medicine** | **1** | **2** | **2** | **MID. 411** | **50** |
| **PMS. 429** | **التحصينات البيطريه** | **Veterinary vaccination** | **1** | **2** | **2** | **MID. 411** | **50** |
| **Clinical Elective Course** | **1** | **2** | **2** |  | **50** |
| **Total number of credit hours per week in the second semester** | **14** | **24** | **23** |  |  |
| **The total number of credit hours in the fourth level per week** | **28** | **44** | **45** |  |  |
| **Practical training in both the first and second semester = 2 hours (6 hours of practical 50 degrees)** |
| **Study plan for the first and second semesters, fifth level** |
| **Level** | **semester** | **Course code and No.** | **Course name** | **Number of credit hours** | **Registration requirements** | **The great end of the score** |
| **Theoretical** | **practical** | **Total** |
| **Fifth level** | **First semester** | **MID. 511** | **امراض باطنة خاص (ب)**  | **Special Medicine(B)** | **2** | **3** | **3** | **MID. 411** | **100**  |
| **MID. 512** | **امراض معدية (أ)**  | **Infectious Diseases(A)** | **2** | **3** | **3** | **MID. 411** | **100** |
| **SAR. 513** | **جراحة خاص ( أ )**  | **Special Surgery(A)** | **2** | **3** | **3** | **SAR. 423** | **100** |
| **THE. 514** | **توليد حيوانات المزرعة والمنزلية**  | **Obstetric of farm & Pet Animals** | **2** | **3** | **3** | **THG. 424** | **100** |
| **POD. 515** | **امراض دواجن ( أ )**  | **Poultry Diseases(A)** | **2** | **3** | **3** | **-** | **100** |
| **FOH. 516** | **الرقابة الصحية على اللحوم (أ)**  | **Meat Inspection(A)** | **2** | **2** | **3** | **-** | **100** |
| **SAR. 517** | **تشخيص إكلينيكى وعلاج حيوان (جراحة)** | **Clinical Diagnosis & Animal Therapeutics (Surgery)**  | **1**  | **3** | **2** | **SAR. 423** | **50** |
| **Second semester** | **PMS. 518** | **طب الانتاج المكتف** | **Intensive production medicine** | **1** | **2** | **2** | **MID. 411** | **50** |
|  | **Clinical Elective Course** | **1** | **2** | **2** |  | **50** |
| **Total number of credit hours per week in the first semester** | **14** | **22** | **22** |  |  |
| **ZOD. 521** | **امراض مشتركة**  | **Zoonosis** | **2** | **3** | **3** | **FOH. 516** | **100** |
| **MID. 522** | **أمراض معدية (ب)** | **Infectious Diseases (B)** | **1** | **3** | **2** | **MID. 411** | **50** |
| **SAR. 523** | **جراحة خاص (ب )**  | **Special Surgery (B)** | **2** | **3** | **3** | **SAR. 423** | **100** |
| **THE. 524** | **تلقيح اصطناعى ونقل اجنة**  | **Artificial Insemination & Embryo Transfer** | **1** | **3** | **2** | **THG. 424** | **50** |
| **POD. 525** | **أمراض دواجن ( ب )** | **Poultry Diseases(B)** | **1** | **3** | **2** | **-** | **50** |
| **FOH. 526** | **رقابة صحية تكنولوجيا لحوم (ب)**  | **Meat Inspection & Technology(B)** | **1** | **3** | **2** | **FOH. 516** | **50** |
| **THG. 527** | **تشخيص إكلينيكى وعلاج حيوان (تناسل وتوليد وتلقيح اصطناعى)**  | **Clinical Diagnosis & Animal Therapeutics (Theriogenology)** | **1**  | **3** | **2** | **THG. 424** | **50** |
| **PMS, 528** | **الموجات فوق الصوتية و المناظير (باطنه)** | **Ultrasonography and endoscopy (Medicine)** | **1** | **2** | **2** | **MID. 411** | **50** |
| **PMS. 529** | **جراحة المجترات** | **Ruminants surgery** | **1** | **2** | **2** | **SAR. 423** | **50** |
| **Clinical Elective Course** | **1** | **2** | **2** |  | **50** |
| **Total number of credit hours per week in the second semesterياً** | **11** | **25** | **20** |  |  |
| **The total number of credit hours in the fifth level per week** | **25** | **47** | **42** |  |  |
| **Practical training in both the first and second semester = 2 hours (6 hours of practical 50 degrees)** |

 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |