**碩士班 獸醫學系**

(一)教育目標

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| 培育解決動物疾病及生技產業所需之研究人才。 |

(二)必修科目

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| 文 　科 　目 　名 　稱  中英 | 學  分  數 | 第一學年 | | 第二學年 | | 備註 |
| 上 | 下 | 上 | 下 |
| 獸醫學研究法  Methods for Veterinary Science | 2 | 1 | 1 |  |  | (全英語授課) |
| 專題討論  Seminar | 4 | 1 | 1 | 1 | 1 |  |
| 碩士論文  Thesis | 6 |  |  | 3 | 3 |  |
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| 合計 | 12 | 2 | 2 | 4 | 4 |  |

（三）選修科目

| 文 　科 　目 　名 　稱  中英 | 學  分  數 | 第一學年 | | 第二學年 | | 備註 |
| --- | --- | --- | --- | --- | --- | --- |
| 上 | 下 | 上 | 下 |
| 專題研究  Special Project | 8 | 2 | 2 | 2 | 2 | 限外籍生修課 |
| X光診斷學特論  Advanced Veterinary Radiology | 2 | 2 |  |  |  |  |
| 分子病毒學  Molecular Virology | 2 | 2 |  |  |  |  |
| 藥理學特論  Advanced Pharmacology | 2 | 2 |  |  |  |  |
| 生物技術特論  Advanced Biotechnology | 2 | 2 |  |  |  |  |
| 超音波診斷學特論  Advanced Veterinary Diagnostic Ultrasound | 2 | 2 |  |  |  |  |
| 養豬醫學診療實習(1)  Clinical practice of swine medicine(1) | 1 | 1 |  |  |  |  |
| 臨床豬病學(1)  Clinical swine medicine(1) | 2 | 2 |  |  |  |  |
| 水生動物生產醫學(1)  Aquatic Animal Production Medicine(1) | 2 | 2 |  |  |  |  |
| 水生動物疾病診療實習(1)  Clinical practice(Aquatic Animal Disease)(1) | 1 | 1 |  |  |  |  |
| 獸醫臨床神經解剖學  Clincal Veterinary Neuroanatomy | 2 | 2 |  |  |  |  |
| 獸醫麻醉學特論(1)  Advanced Veterinary Anesthesia(A) | 2 | 2 |  |  |  |  |
| 小動物電腦斷層學特論(1)  Advanced Small Animal Computed Tomography (A) | 3 | 3 |  |  |  |  |
| 生物化學特論  Special Topic in Biochemistry | 2 | 2 |  |  |  |  |
| 細胞生物學  Cell Biology | 2 | 2 |  |  |  |  |
| 禽病實驗診療  Laboratory Diagnosis of Avian Diseases | 2 | 2 |  |  |  |  |
| 基因重組  The Concept and Techniques of Recombinant DNA | 2 | 2 |  |  |  |  |
| 獸醫外科病理學  Veterinary Surgical Pathology | 3 | 3 |  |  |  |  |
| 野生動物疾病學特論  Advanced Wildlife Medicine | 2 | 2 |  |  |  |  |
| 高等小動物臨床細胞學  Advanced Clinical Cytology of Small Animals | 3 | 3 |  |  |  |  |
| 基因表現系統  Genetic Expression System | 2 | 2 |  |  |  |  |
| 分子生物學  Molecular Biology | 3 | 3 |  |  |  |  |
| 獸醫外科學特論(1)  Advanced Veterinary Surgery（1） | 2 |  | 2 |  |  |  |
| 魚病臨床微生物學  Clinical Microbiology for Fish Disease | 2 |  | 2 |  |  |  |
| 水產動物診斷病理學  Diagnostic Histopathology of Aquatic Animals | 2 |  | 2 |  |  |  |
| 水產動物組織病理學  Histopathology of Aquatic Animals | 2 |  | 2 |  |  |  |
| 細胞分子免疫學  Cellular and Molecular Immunology | 2 |  | 2 |  |  |  |
| 大動物疾病學特論  Advanced Large Animal Diseases | 2 |  | 2 |  |  |  |
| 禽病學特論  Advanced Poultry Diseases | 2 |  | 2 |  |  |  |
| 訊息傳遞  Signal Transduction | 2 |  | 2 |  |  |  |
| 生物電子顯微鏡技術特論  Advanced Bio. Electron Microscopy | 3 |  | 3 |  |  |  |
| 養豬醫學診療實習(2)  Clinical practice of swine medicine(2) | 1 |  | 1 |  |  |  |
| 臨床豬病學(2)  Clinical swine medicine(2) | 2 |  | 2 |  |  |  |
| 水生動物生產醫學(2)  Aquatic Animal Production Medicine(2) | 2 |  | 2 |  |  |  |
| 水生動物疾病診療實習(2)  Clinical practice(Aquatic Animal Disease)(2) | 1 |  | 1 |  |  |  |
| 動物生殖科技特論  Advanced Animal Reproductive Technology | 2 |  | 2 |  |  |  |
| 獸醫麻醉學特論(2)  Advanced Veterinary Anesthesia(B) | 2 |  | 2 |  |  |  |
| 小動物電腦斷層學特論(2)  Advanced Small Animal Computed Tomography (B) | 3 |  | 3 |  |  |  |
| 生物統計學特論  Special Topics on Biometry | 2 |  | 2 |  |  |  |
| 獸醫皮膚病理學  Veterinary Dermatopathology | 3 |  | 3 |  |  |  |
| 傳染病之致病機制  Pathogenesis of Infectious Diseases | 3 |  | 3 |  |  |  |
| 消化道病理學  Pathology of Digestive System | 2 |  | 2 |  |  |  |
| 化學療法特論  Advanced Chemotherapy | 2 |  | 2 |  |  |  |
| 傳染病免疫機轉  The Mechanisms of Host Immunity to Infectious Diseases | 3 |  | 3 |  |  |  |
| 心血管病理學  Cardiovascular Pathology | 2 |  | 2 |  |  |  |
| 基因調控  Gene Regulation | 2 |  | 2 |  |  |  |
| 動物檢疫風險分析  Animal Quarantine Risk Analysis | 2 |  | 2 |  |  |  |
| 鴿病學特論  Pigeon Diseases and Practice | 3 |  | 3 |  |  |  |
| 聚合酶鏈反應技術之應用  Application of Polymerase Chain Reaction Technique | 2 |  |  | 2 |  |  |
| 人畜共通疾病特論  Special Topic in Zoonosis | 2 |  |  | 2 |  |  |
| 小動物疾病特論  Advanced Small Animal Diseases | 2 |  |  | 2 |  |  |
| 繁殖障礙特論  Advance of Veterinary Obstetrics and Reproductive Disorders | 2 |  |  | 2 |  |  |
| 小動物心臟病學特論  Advanced Small Animal Cardiology | 2 |  |  | 2 |  |  |
| 獸醫腫瘤學  Veterinary Oncology | 2 |  |  | 2 |  |  |
| 養豬醫學診療實習(3)  Clinical practice of swine medicine(3) | 1 |  |  | 1 |  | 養豬醫學專科住院獸醫師學程 |
| 臨床豬病學特論(1)  Special Topics on Clinical Swine Diseases(1) | 2 |  |  | 2 |  | 養豬醫學專科住院獸醫師學程 |
| 水生動物疾病與治療學  Aquatic Animal Diseases Diagnostic and Therapeutics | 2 |  |  | 2 |  | 水生動物專科獸醫師學程 |
| 水生動物疾病診療實習(3)  Clinical practice(Aquatic Animal Disease)(3) | 2 |  |  | 2 |  | 水生動物專科獸醫師學程 |
| 獸醫針灸學特論  Special Topics on Veterinary Acupuncture | 2 |  |  | 2 |  |  |
| 臨床豬病學特論  Special topics on clinical swine medicine | 2 |  |  | 2 |  |  |
| 毒物學特論  Advanced Toxicology | 2 |  |  | 2 |  |  |
| 小動物眼科學特論  Advanced Small Animal Ophthanlmology | 2 |  |  | 2 |  |  |
| 免疫遺傳學  Immunogenetics | 2 |  |  | 2 |  |  |
| 獸醫外科學特論（2）  Advanced Veterinary Surgery（2） | 2 |  |  |  | 2 |  |
| 養豬醫學診療實習(4)  Clinical practice of swine medicine(4) | 1 |  |  |  | 1 | 養豬醫學專科住院獸醫師學程 |
| 臨床豬病學特論(2)  Special Topics on Clinical Swine Diseases(2) | 2 |  |  |  | 2 | 養豬醫學專科住院獸醫師學程 |
| 臨床水生動物疾病學特論  Special Topics in Clinical Aquatic animal Diseases | 2 |  |  |  | 2 | 水生動物專科獸醫師學程 |
| 水生動物疾病診療實習(4)  Clinical practice(Aquatic Animal Disease)(4) | 2 |  |  |  | 2 | 水生動物專科獸醫師學程 |
| 水生動物免疫學及疫苗  Aquatic Animal Immunology and Vaccine | 2 |  |  |  | 2 |  |
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| 合計 | 148 | 46 | 58 | 31 | 13 |  |