**博士班 獸醫學系**

(一)教育目標

|  |
| --- |
| 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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 文 　科 　目 　名 　稱  中英 | 學  分  數 | 第一學年 | | 第二學年 | | 備註 |
| 上 | 下 | 上 | 下 |
| 專題討論  Seminar | 4 | 1 | 1 | 1 | 1 |  |
| 博士論文  Dissertation | 12 |  |  | 6 | 6 |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 合計 | 16 | 1 | 1 | 7 | 7 |  |

（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 Problem | 8 | 2 | 2 | 2 | 2 |  |
| 養豬醫學診療實習(1)  Clinical practice of swine medicine(1) | 1 | 1 |  |  |  | 養豬醫學專科住院獸醫師學程 |
| 臨床豬病學(1)  Clinical swine medicine(1) | 2 | 2 |  |  |  | 養豬醫學專科住院獸醫師學程 |
| 水生動物生產醫學(1)  Aquatic Animal Production Medicine(1) | 2 | 2 |  |  |  | 水生動物專科獸醫師學程 |
| 水生動物疾病診療實習(1)  Clinical practice(Aquatic Animal Disease)(1) | 1 | 1 |  |  |  | 水生動物專科獸醫師學程 |
| 高等獸醫針灸學  Advanced Veterinary Acupuncture | 2 | 2 |  |  |  |  |
| 分子病毒學  Molecular Virology | 2 | 2 |  |  |  |  |
| 藥理學特論  Advanced Pharmacology | 2 | 2 |  |  |  |  |
| 細胞生物學  Cell Biology | 2 | 2 |  |  |  |  |
| 禽病實驗診斷  Laboratory Diagnosis of Avian Diseases | 2 | 2 |  |  |  |  |
| 基因重組  The Concept and Techniques of Recombinant DNA | 2 | 2 |  |  |  |  |
| 分子生物學  Molecular Biology | 3 | 3 |  |  |  |  |
| 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 |  |  |  |
| 大動物疾病學特論  Advanced Large Animal Diseases | 2 |  | 2 |  |  |  |
| 禽病學特論  Advanced Poultry Diseases | 2 |  | 2 |  |  |  |
| 動物生殖科技特論  Advanced Animal Reproductive Technology | 2 |  | 2 |  |  | 養豬醫學專科住院獸醫師學程 |
| 養豬醫學診療實習(2)  Clinical practice of swine medicine(2) | 1 |  | 1 |  |  | 養豬醫學專科住院獸醫師學程 |
| 臨床豬病學(2)  Clinical swine medicine(2) | 2 |  | 2 |  |  | 養豬醫學專科住院獸醫師學程 |
| 水生動物生產醫學(2)  Aquatic Animal Production Medicine(2) | 2 |  | 2 |  |  | 水生動物專科獸醫師學程 |
| 水生動物疾病診療實習(2)  Clinical practice(Aquatic Animal Disease)(2) | 1 |  | 1 |  |  | 水生動物專科獸醫師學程 |
| 小動物神經疾病學特論  Special Topics on Small Animal Neurology | 2 |  | 2 |  |  |  |
| 傳染病之致病機制  Pathogenesis of Infectious Diseases | 3 |  | 3 |  |  |  |
| 傳染病免疫機轉  The Mechanisms of Host Immunity to Infectious Diseases | 3 |  | 3 |  |  |  |
| 訊息傳遞  Signal Transduction | 2 |  | 2 |  |  |  |
| 繁殖障礙特論  Advance of Veterinary Obstetrics and Reproductive Disorders | 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 |
| 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 |  |  |
| 基因調控  Gene Regulation | 2 |  |  | 2 |  |  |
| 免疫遺傳學  Immunogenetics | 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 |  |
| 免疫學新知  Update in Immunology | 3 |  |  |  | 3 |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 合計 | 60 | 13 | 22 | 13 | 12 |  |