

## 碩士班 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

| 中<br>英<br>文<br>科<br>目<br>名<br>稱          | 學<br>分<br>數 | 第一學年 |   | 第二學年 |   | 備<br>註  |
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|                                          |             | 上    | 下 | 上    | 下 |         |
| 獸醫學研究法<br>Methods for Veterinary Science | 2           | 1    | 1 |      |   | (全英語授課) |
| 專題討論<br>Seminar                          | 4           | 1    | 1 | 1    | 1 |         |
| 碩士論文<br>Thesis                           | 6           |      |   | 6    |   |         |
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| 合 計                                      | 12          | 2    | 2 | 7    | 1 |         |

### (三) 選修科目

| 中<br>英<br>文<br>科<br>目<br>名<br>稱                                   | 學<br>分<br>數 | 第一學年 |   | 第二學年 |   | 備<br>註 |
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| 專題研究<br>Special Project                                           | 8           | 2    | 2 | 2    | 2 | 限外籍生修課 |
| X 光診斷學特論<br>Advanced Veterinary Radiology                         | 2           | 2    |   |      |   |        |
| 分子病毒學<br>Molecular Virology                                       | 2           | 2    |   |      |   |        |
| 藥理學特論<br>Advanced Pharmacology                                    | 2           | 2    |   |      |   |        |
| 生物技術特論<br>Advanced Biotechnology                                  | 2           | 2    |   |      |   |        |
| 超音波診斷學特論<br>Advanced Veterinary Diagnostic<br>Ultrasound          | 2           | 2    |   |      |   |        |
| 養豬醫學診療實習(1)<br>Clinical practice of swine<br>medicine(1)          | 1           | 1    |   |      |   |        |
| 臨床豬病學(1)<br>Clinical swine medicine(1)                            | 2           | 2    |   |      |   |        |
| 水生動物生產醫學(1)<br>Aquatic Animal Production<br>Medicine(1)           | 2           | 2    |   |      |   |        |
| 水生動物疾病診療實習(1)<br>Clinical practice(Aquatic Animal<br>Disease)(1)  | 1           | 1    |   |      |   |        |
| 獸醫臨床神經解剖學<br>Clinical Veterinary Neuroanatomy                     | 2           | 2    |   |      |   |        |
| 獸醫麻醉學特論(1)<br>Advanced Veterinary<br>Anesthesia(A)                | 2           | 2    |   |      |   |        |
| 小動物電腦斷層學特論(1)<br>Advanced Small Animal<br>Computed Tomography (A) | 3           | 3    |   |      |   |        |
| 生物化學特論<br>Special Topic in Biochemistry                           | 2           | 2    |   |      |   |        |
| 細胞生物學特論<br>Special Cell Biology                                   | 2           | 2    |   |      |   |        |

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| 禽病實驗診療<br>Laboratory Diagnosis of Avian Diseases          | 2           | 2    |   |      |   |           |
| 基因重組<br>The Concept and Techniques of Recombinant DNA     | 2           | 2    |   |      |   |           |
| 獸醫外科病理學<br>Veterinary Surgical Pathology                  | 3           | 3    |   |      |   |           |
| 野生動物疾病學特論<br>Advanced Wildlife Medicine                   | 2           | 2    |   |      |   |           |
| 高等小動物臨床細胞學<br>Advanced Clinical Cytology of Small Animals | 3           | 3    |   |      |   |           |
| 基因表現系統<br>Genetic Expression System                       | 2           | 2    |   |      |   |           |
| 分子生物學<br>Molecular Biology                                | 3           | 3    |   |      |   |           |
| 臨床禽病學(1)<br>Clinical Poultry Medicine (1)                 | 2           | 2    |   |      |   | 禽病專科獸醫師學程 |
| 家禽醫學診療實習(1)<br>Clinical Practice in Poultry Medicine (1)  | 1           | 1    |   |      |   | 禽病專科獸醫師學程 |
| 臨床大動物外科學<br>Clinical Techniques in Large Animal Surgery   | 2           | 2    |   |      |   |           |
| 大動物臨床診療實習(1)<br>Clinical Practice in Large Animal         | 1           | 1    |   |      |   |           |
| 乳牛生產醫學(1)<br>Production Medicine in Dairy Cow (1)         | 2           | 2    |   |      |   |           |
| 伴侶動物診療技術特論<br>Special topics in companion animals therapy | 2           | 2    |   |      |   |           |
| 臨床病例特論(1)<br>Special topics in clinical cases (1)         | 2           | 2    |   |      |   |           |
| 魚病臨床微生物學<br>Clinical Microbiology for Fish Disease        | 2           |      | 2 |      |   |           |

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| 水產動物診斷病理學<br>Diagnostic Histopathology of Aquatic Animals      | 2           |      | 2 |      |   |        |
| 水產動物組織病理學<br>Histopathology of Aquatic Animals                 | 2           |      | 2 |      |   |        |
| 細胞分子免疫學<br>Cellular and Molecular Immunology                   | 2           |      | 2 |      |   |        |
| 大動物疾病學特論<br>Advanced Large Animal Diseases                     | 2           |      | 2 |      |   |        |
| 訊息傳遞<br>Signal Transduction                                    | 2           |      | 2 |      |   |        |
| 生物電子顯微鏡技術特論<br>Advanced Bio. Electron Microscopy               | 3           |      | 3 |      |   |        |
| 養豬醫學診療實習(2)<br>Clinical practice of swine medicine(2)          | 1           |      | 1 |      |   |        |
| 臨床豬病學(2)<br>Clinical swine medicine(2)                         | 2           |      | 2 |      |   |        |
| 水生動物生產醫學(2)<br>Aquatic Animal Production Medicine(2)           | 2           |      | 2 |      |   |        |
| 水生動物疾病診療實習(2)<br>Clinical practice(Aquatic Animal Disease)(2)  | 1           |      | 1 |      |   |        |
| 動物生殖科技特論<br>Advanced Animal Reproductive Technology            | 2           |      | 2 |      |   |        |
| 獸醫麻醉學特論(2)<br>Advanced Veterinary Anesthesia(B)                | 2           |      | 2 |      |   |        |
| 小動物電腦斷層學特論(2)<br>Advanced Small Animal Computed Tomography (B) | 3           |      | 3 |      |   |        |
| 生物統計學特論<br>Special Topics on Biometry                          | 2           |      | 2 |      |   |        |

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| 獸醫皮膚病理學<br>Veterinary Dermatopathology                            | 3           |      | 3 |      |   |           |
| 傳染病之致病機制<br>Pathogenesis of Infectious Diseases                   | 3           |      | 3 |      |   |           |
| 消化道病理學<br>Pathology of Digestive System                           | 2           |      | 2 |      |   |           |
| 化學療法特論<br>Advanced Chemotherapy                                   | 2           |      | 2 |      |   |           |
| 傳染病免疫機轉<br>The Mechanisms of Host Immunity to Infectious Diseases | 3           |      | 3 |      |   |           |
| 心血管病理學<br>Cardiovascular Pathology                                | 2           |      | 2 |      |   |           |
| 基因調控<br>Gene Regulation                                           | 2           |      | 2 |      |   |           |
| 動物檢疫風險分析<br>Animal Quarantine Risk Analysis                       | 2           |      | 2 |      |   |           |
| 鴿病學特論<br>Pigeon Diseases and Practice                             | 3           |      | 3 |      |   |           |
| 臨床禽病學(2)<br>Clinical Poultry Medicine (2)                         | 2           |      | 2 |      |   | 禽病專科獸醫師學程 |
| 家禽醫學診療實習(2)<br>Clinical Practice in Poultry Medicine (2)          | 1           |      | 1 |      |   | 禽病專科獸醫師學程 |
| 大動物臨床診療實習(2)<br>Clinical Practice in Large Animal                 | 1           |      | 1 |      |   |           |
| 乳牛生產醫學(2)<br>Production Medicine in Dairy Cow (2)                 | 2           |      | 2 |      |   |           |
| 臨床病例特論(2)<br>Special topics in clinical cases (2)                 | 2           |      | 2 |      |   |           |
| 聚合酶鏈反應技術之應用<br>Application of Polymerase Chain Reaction Technique | 2           |      |   | 2    |   |           |
| 人畜共通疾病特論<br>Special Topic in Zoonosis                             | 2           |      |   | 2    |   |           |
| 小動物疾病特論<br>Advanced Small Animal Diseases                         | 2           |      |   | 2    |   |           |

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| 繁殖障礙特論<br>Advance of Veterinary Obstetrics<br>and Reproductive Disorders | 2           |      |   | 2    |   |                   |
| 小動物心臟病學特論<br>Advanced Small Animal<br>Cardiology                         | 2           |      |   | 2    |   |                   |
| 獸醫腫瘤學<br>Veterinary Oncology                                             | 2           |      |   | 2    |   |                   |
| 養豬醫學診療實習(3)<br>Clinical practice of swine<br>medicine(3)                 | 1           |      |   | 1    |   | 養豬醫學專科住院獸醫<br>師學程 |
| 臨床豬病學特論(1)<br>Special Topics on Clinical Swine<br>Diseases(1)            | 2           |      |   | 2    |   | 養豬醫學專科住院獸醫<br>師學程 |
| 水生動物疾病與治療學<br>Aquatic Animal Diseases<br>Diagnostic and Therapeutics     | 2           |      |   | 2    |   | 水生動物專科獸醫師學<br>程   |
| 水生動物疾病診療實習(3)<br>Clinical practice(Aquatic Animal<br>Disease)(3)         | 2           |      |   | 2    |   | 水生動物專科獸醫師學<br>程   |
| 獸醫針灸學特論<br>Special Topics on Veterinary<br>Acupuncture                   | 2           |      |   | 2    |   |                   |
| 臨床豬病學特論<br>Special topics on clinical swine<br>medicine                  | 2           |      |   | 2    |   |                   |
| 毒物學特論<br>Advanced Toxicology                                             | 2           |      |   | 2    |   |                   |
| 小動物眼科學特論<br>Advanced Small Animal<br>Ophthanolmology                     | 2           |      |   | 2    |   |                   |
| 免疫遺傳學<br>Immunogenetics                                                  | 2           |      |   | 2    |   |                   |
| 家禽醫學診療實習(3)<br>Clinical Practice in Poultry<br>Medicine (3)              | 1           |      |   | 1    |   | 禽病專科獸醫師學程         |
| 大動物超音波學特論<br>Advanced Study in Large Animal<br>Ultrasonics               | 2           |      |   | 2    |   |                   |

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| 臨床禽病學特論(1)<br>Special Topics in Clinical Poultry<br>Medicine (1)     | 2           |      |    | 2    |    | 禽病專科獸醫師學程         |
| 獸醫外科學特論(1)<br>Advanced Veterinary Surgery (1)                        | 2           |      |    | 2    |    |                   |
| 獸醫外科學特論 (2)<br>Advanced Veterinary Surgery (2)                       | 2           |      |    |      | 2  |                   |
| 養豬醫學診療實習(4)<br>Clinical practice of swine<br>medicine(4)             | 1           |      |    |      | 1  | 養豬醫學專科住院獸醫<br>師學程 |
| 臨床豬病學特論(2)<br>Special Topics on Clinical Swine<br>Diseases(2)        | 2           |      |    |      | 2  | 養豬醫學專科住院獸醫<br>師學程 |
| 臨床水生動物疾病學特論<br>Special Topics in Clinical Aquatic<br>animal Diseases | 2           |      |    |      | 2  | 水生動物專科獸醫師學<br>程   |
| 水生動物疾病診療實習(4)<br>Clinical practice(Aquatic Animal<br>Disease)(4)     | 2           |      |    |      | 2  | 水生動物專科獸醫師學<br>程   |
| 水生動物免疫學及疫苗<br>Aquatic Animal Immunology and<br>Vaccine               | 2           |      |    |      | 2  |                   |
| 臨床禽病學特論(2)<br>Special Topics in Clinical Poultry<br>Medicine (2)     | 2           |      |    |      | 2  | 禽病專科獸醫師學程         |
| 家禽醫學診療實習(4)<br>Clinical Practice in Poultry<br>Medicine (4)          | 1           |      |    |      | 1  | 禽病專科獸醫師學程         |
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| 合 計                                                                  | 176         | 62   | 64 | 34   | 16 |                   |