**四年制 動物科學與畜產系**

(一)教育目標

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| 為提升台灣禽畜產業之競爭力，結合畜產科學與生物科技，培育具備畜禽遺傳育種改良技術、高效率繁殖生產技術、現代化禽畜舍規劃與飼養管理技術、飼料配方設計與製造技術、安全畜產品開發與利用技術、實驗動物飼養管理技術及永續禽畜場管理技術等專業人才。同時，應用理論與實務並重之課程模組，養成兼具社會道德倫理與多元文化素養之現代化經濟動物生產之技術管理人才，以開拓續產業之新契機。 |

(二)校定共同必修科目

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| 文　科　目　名　稱中英 | 學分數 | 第一學年 | 第二學年 | 第三學年 | 第四學年 | 備註 |
| 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 |
| 通識課程General Education | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |  | 通識選項課程：人文學科：2門社會科學：3門數理與應用科學：1門 |
| 國文Chinese | 4 | 2 | 2 |  |  |  |  |  |  | 國文(閱讀與寫作)(1)國文(閱讀與寫作)(2) |
| 大一英文Freshman English | 4 | 2 | 2 |  |  |  |  |  |  | 大一英文(1)大一英文(2) |
| 英語聽講練習101~102English Listening & Speaking Practice | 2 | 1 | 1 |  |  |  |  |  |  | 英語聽講練習101英語聽講練習102 |
| 憲法Constitution | 2 |  |  |  | 2 |  |  |  |  |  |
| 體育Physical Education | 4 | 1 | 1 | 1 | 1 |  |  |  |  | 一年級：大一體育(1)、大一體育(2)二年級：體育選項(需修讀不同興趣體育課程) |
| 生活服務教育Student Life Service Education | 0 | 0 | 0 |  |  |  |  |  |  |  |
| 通識教育講座Lectures on General Education | 1 |  |  | 1 |  |  |  |  |  | 各系依序開課，開課學期不定 |
| 外語實務Foreign Language Proficiency Test | 0 | 0 |  |  |  |  |  |  |  | 畢業前修畢通過標準依「外語實務課程實施要點」規定 |
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| 合計 | 29 | 8 | 8 | 4 | 5 | 2 | 2 | 0 | 0 |  |

（三）學院共同必修科目

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| 　　文　科　目　名　稱中英 | 學分數 | 第一學年 | 第二學年 | 第三學年 | 第四學年 | 備註 |
| 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 |
| 普通化學（1）General Chemistry(1)  | 3 | 3 |  |  |  |  |  |  |  |  |
| 普通化學實驗（1）General chemistry Lab.(1) | 1 | 1 |  |  |  |  |  |  |  |  |
| 生物統計Biometry | 2 | 2 |  |  |  |  |  |  |  |  |
| 生物統計實習Practice of Biometry | 1 | 1 |  |  |  |  |  |  |  |  |
| 實務專題Special Projects | 2 |  |  |  |  | 1 | 1 |  |  |  |
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| 合計 | 9 | 7 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |  |

(四)專業必修科目

| 　　文　科　目　名　稱中英 | 學分數 | 第一學年 | 第二學年 | 第三學年 | 第四學年 | 備註 |
| --- | --- | --- | --- | --- | --- | --- |
| 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 |
| 動物學Zoology | 2 | 2 |  |  |  |  |  |  |  |  |
| 動物學實習Practice of Zoology | 1 | 1 |  |  |  |  |  |  |  |  |
| 動物解剖生理學Anatomy and Physiology of Animal | 3 |  | 3 |  |  |  |  |  |  |  |
| 動物解剖生理學實習Practice of Anatomy and Physiology of Animal | 1 |  | 1 |  |  |  |  |  |  |  |
| 畜產微生物學Microbiology of Animal Products | 2 |  | 2 |  |  |  |  |  |  |  |
| 畜產微生物學實習Practice of Microbiology of Animal Products | 1 |  | 1 |  |  |  |  |  |  |  |
| 遺傳學Genetics | 2 |  | 2 |  |  |  |  |  |  |  |
| 遺傳學實習Practice of Genetics | 1 |  | 1 |  |  |  |  |  |  |  |
| 牧場實務實習Practice of Animal Farm | 2 |  |  | 1 | 1 |  |  |  |  |  |
| 生物化學Biochemistry | 3 |  |  | 3 |  |  |  |  |  |  |
| 生物化學實驗Biochemistry Lab. | 1 |  |  | 1 |  |  |  |  |  |  |
| 肉品原料與利用Raw Material Quality and Utilization of Meat | 2 |  |  | 2 |  |  |  |  |  |  |
| 乳蛋品原料與利用Raw Material Quality and Utilization of Milk and Eggs | 2 |  |  | 2 |  |  |  |  |  |  |
| 動物育種學Animal Breeding | 3 |  |  |  | 3 |  |  |  |  |  |
| 動物營養學Animal Nutrition | 2 |  |  |  | 2 |  |  |  |  |  |
| 經濟動物繁殖學Reproduction of Farm Animal | 2 |  |  |  | 2 |  |  |  |  |  |
| 經濟動物繁殖學實習Practice of Reproduction of Farm Animal | 1 |  |  |  | 1 |  |  |  |  |  |
| 家禽飼養管理Poultry Feeding and Management | 1 |  |  |  |  | 1 |  |  |  |  |
| 家禽飼養管理實習Practice of Poultry Feeding and Management | 1 |  |  |  |  | 1 |  |  |  |  |
| 豬隻飼養管理Pig Feeding and Management | 1 |  |  |  |  | 1 |  |  |  |  |
| 豬隻飼養管理實習Practice of Pig Feeding and Management | 1 |  |  |  |  | 1 |  |  |  |  |
| 禽畜保健Livestock Health | 2 |  |  |  |  |  | 2 |  |  |  |
| 禽畜保健實習Practice of Livestock Health | 1 |  |  |  |  |  | 1 |  |  |  |
| 乳用家畜飼養管理Dairy Livestock Feeding and Management | 1 |  |  |  |  |  | 1 |  |  |  |
| 乳用家畜飼養管理實習Practice of Feeding and Management in Dairy Livestock | 1 |  |  |  |  |  | 1 |  |  |  |
| 專題討論Seminar | 1 |  |  |  |  |  |  |  | 1 |  |
| 校外實習Practice of Industrial Training | 2 |  |  |  |  |  |  | 2 |  |  |
| 畜產產業實習Practice of Livestock Enterprises | 7 |  |  |  |  |  |  | 7 |  | 畜產產業實習/現場實務實習二擇一 |
| 現場實務實習Practice of Animal Farm | 7 |  |  |  |  |  |  | 7 |  |
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| 合計 | 50 | 3 | 10 | 9 | 9 | 4 | 5 | 9 | 1 |  |

(五)專業選修科目

| 　　文　科　目　名　稱中英 | 學分數 | 第一學年 | 第二學年 | 第三學年 | 第四學年 | 備註 |
| --- | --- | --- | --- | --- | --- | --- |
| 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 |
| 畜產品營養與健康Nutrition and Health of Animal | 2 | 2 |  |  |  |  |  |  |  |  |
| 動物行為Animal Behavior | 2 | 2 |  |  |  |  |  |  |  |  |
| 畜產機械Animal Production Machinery | 2 | 2 |  |  |  |  |  |  |  |  |
| 畜產機械實習Practice of Animal Production Machinery  | 1 | 1 |  |  |  |  |  |  |  |  |
| 畜產生物多樣性Biodiversity in Farm Animal | 2 | 2 |  |  |  |  |  |  |  |  |
| 安全畜產品生產導論Introduction to safe Animal Production | 2 | 2 |  |  |  |  |  |  |  |  |
| 動物科學導論Introduction to Animal Science | 2 | 2 |  |  |  |  |  |  |  |  |
| 有機化學Organic Chemistry | 3 |  | 3 |  |  |  |  |  |  |  |
| 有機化學實習Practice of Organic Chemistry | 1 |  | 1 |  |  |  |  |  |  |  |
| 動物福祉Animal Welfare | 2 |  | 2 |  |  |  |  |  |  |  |
| 農業政策與法規Agricultural Policy and Laws | 2 |  | 2 |  |  |  |  |  |  |  |
| 畜產統計入門Understanding Statistical Methods in Animal Science | 2 |  | 2 |  |  |  |  |  |  |  |
| 畜產檢驗與分析Analysis of Animal Products | 2 |  | 2 |  |  |  |  |  |  |  |
| 畜產檢驗與分析實習Practice of Animal Products Analysis | 1 |  | 1 |  |  |  |  |  |  |  |
| 動物內分泌學Animal Endocrinology | 2 |  |  | 2 |  |  |  |  |  |  |
| 禽畜環境生理學Environmental Physiology of Domestic Animals | 2 |  |  | 2 |  |  |  |  |  |  |
| 動物細胞生物學Animal Cell Biology | 2 |  |  | 2 |  |  |  |  |  |  |
| 營養免疫學Nutritional Immunology | 2 |  |  | 2 |  |  |  |  |  |  |
| 族群遺傳學導論Introduction to Population Genetics | 2 |  |  | 2 |  |  |  |  |  |  |
| 飼料製造技術Feed Manufacture Technology | 2 |  |  | 2 |  |  |  |  |  |  |
| 飼料製造技術實習Practice of Feed Manufacture Technology | 1 |  |  | 1 |  |  |  |  |  |  |
| 肉用草食家畜飼養管理Meat-production Ruminant Farm Animal Feeding and Management | 2 |  |  | 2 |  |  |  |  |  |  |
| 禽畜副產物利用Utilization of Animal and Poultry | 2 |  |  |  | 2 |  |  |  |  |  |
| 數量遺傳學導論Introduction to Quantitative Genetics | 2 |  |  |  | 2 |  |  |  |  |  |
| 飼料分析與品管Feed Analysis and Quality Control | 2 |  |  |  | 2 |  |  |  |  |  |
| 飼料分析與品管實習Practice of Feed Analysis and Quality Control | 1 |  |  |  | 1 |  |  |  |  |  |
| 蛋品加工Processing of Egg Products | 2 |  |  |  | 2 |  |  |  |  |  |
| 蛋品加工實習Practice of Egg Products  | 1 |  |  |  | 1 |  |  |  |  |  |
| 芻料作物及其調製Forage Production and Utilization | 2 |  |  |  | 2 |  |  |  |  |  |
| 馬學Equine Science | 2 |  |  |  |  | 2 |  |  |  |  |
| 馬學實習Practice of Equine Science | 1 |  |  |  |  | 1 |  |  |  |  |
| 單胃動物營養與飼料Monogastric Animal Nutrition and Feed | 2 |  |  |  |  | 2 |  |  |  |  |
| 乳品加工Processing of Dairy Products | 2 |  |  |  |  | 2 |  |  |  |  |
| 乳品加工實習Practice of Dairy Products  | 1 |  |  |  |  | 1 |  |  |  |  |
| 無特定病原實驗動物飼養與管理Specific Pathogen Free Laboratory Animal Feeding and Management | 2 |  |  |  |  | 2 |  |  |  |  |
| 無特定病原實驗動物飼養與管理實習Practice of Specific Pathogen Free Laboratory Animal Feeding and Management | 1 |  |  |  |  | 1 |  |  |  |  |
| 畜產品品質管理技術Quality Control and Techniques in Animal Products Management | 2 |  |  |  |  | 2 |  |  |  |  |
| 兔學Rabbit Science | 2 |  |  |  |  | 2 |  |  |  |  |
| 水禽飼養管理Waterfowl Feeding and Management | 2 |  |  |  |  | 2 |  |  |  |  |
| 畜產海外專業實習Overseas Practice of Animal Science | 2 |  |  |  |  | 2 |  |  |  |  |
| 肉品加工Meat Products Processing | 2 |  |  |  |  |  | 2 |  |  |  |
| 肉品加工實習Practice of Meat Products Processing | 1 |  |  |  |  |  | 1 |  |  |  |
| 動物遺傳工程Animal Genetic Engineering | 2 |  |  |  |  |  | 2 |  |  |  |
| 動物遺傳工程實習Practice of Animal Genetic Engineering | 1 |  |  |  |  |  | 1 |  |  |  |
| 實驗動物應用學Application of Laboratory Animals | 2 |  |  |  |  |  | 2 |  |  |  |
| 實驗動物應用學實習Practice of Application of Laboratory Animals | 1 |  |  |  |  |  | 1 |  |  |  |
| 反芻動物營養與飼料Ruminant Nutrition and Feed | 2 |  |  |  |  |  | 2 |  |  |  |
| 飼料配方設計Design of Feed Formulation | 2 |  |  |  |  |  | 2 |  |  |  |
| 鹿學Deer Science | 2 |  |  |  |  |  | 2 |  |  |  |
| 功能性基因體學Functional Genomics | 2 |  |  |  |  |  | 2 |  |  |  |
| 畜產與氣候變遷Animal Production and Climate Change | 2 |  |  |  |  |  | 2 |  |  |  |
| 畜產品在美容之應用Application of Animal Products on Beauty Industry | 2 |  |  |  |  |  |  |  | 2 |  |
| 伴侶動物飼養管理Companion Animals Feeding and Management | 2 |  |  |  |  |  |  |  | 2 |  |
| 禽畜廢棄物管理Poultry and Livestock Waste Management | 2 |  |  |  |  |  |  |  | 2 |  |
| 禽畜廢棄物管理實習Practice of Poultry and Livestock Waste Management | 1 |  |  |  |  |  |  |  | 1 |  |
| 畜產經營學Livestock Production Management | 2 |  |  |  |  |  |  |  | 2 |  |
| 生物資訊學概論Essential Bioinformatics | 2 |  |  |  |  |  |  |  | 2 |  |
| 現代動物育種技術Modern Animal Breeding Technology | 2 |  |  |  |  |  |  |  | 2 |  |
| 休閒畜牧實務技術Leisure Animal Farm Management | 2 |  |  |  |  |  |  |  | 2 |  |
| 加工廠經營管理導論Introduction to Food Processing Plant Management | 2 |  |  |  |  |  |  |  | 2 |  |
| 動物基因轉殖Animal Transgenics | 2 |  |  |  |  |  |  |  | 2 |  |
| 屠體分切與應用Carcass Cutting and Application of Meat Parts | 2 |  |  |  |  |  |  |  | 2 |  |
| 合 計 | 112 | 13 | 13 | 15 | 12 | 19 | 19 | 0 | 21 |  |