**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101~102  English 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 |  |