

畜產系 96-2 新增課程中英文摘要

一、大學部

馬學 **2 選** **劉炳燦、劉世賢**

本課程係討論馬的飼養及管理有關的各項問題，內容包括有養馬事業的歷史與發展、馬的鑑別與選拔、品種與類型、營養與飼料、日常照料、行為與調教、馬廄管理、馬的放牧及衛生管理。

Equine Science **2 S** **B.T. Liu、S.S. Liu**

The course will deal with the feeding and management of horse. It will cover the history and development of the horses industry, selecting and judging horses, breeds and types of horses, nutrition and feeds for horses, feeding and management, horse behavior and training, pasture for horses, and horses health, disease prevention, and parasite control.

馬學實習 **1 選** **劉炳燦、劉世賢**

本實習課程旨在探討馬的習性、飼養管理及御馬，並使學生習得馬飼養、清潔、修蹄、騎乘之基本技能。主要課程內容包括：馬的習性、馬舍管理、馬之調教清潔、馬蹄保護及騎乘。

Equine Science Practice **1 S** **B.T. Liu、S.S. Liu**

The purpose of this course is to give students more familiar with horse behavior, management, horse training, and horse driving. It contains: horse behavior and training, care and management, herd health, hoof care, and the skill of horses riding.

二、碩士班

動物複製學 **2 選** **沈朋志**

本課程主要目的乃希望結胚胎學，胚顯微操作技術與銘印基因表現調控理論，讓學生了解動物複製的基本知識及其於農業及醫學之應用層面，進而提供他們未來能於生物科學領域之相關研究，得以更進一步的探究。

Animal Cloning **2 S** **P. C. Shen**

The purpose of this course aims to combine the embryology, the technique of embryo micromanipulation and the regulation of imprinting gene for the students to

understand the principle and knowledge of animal cloning and its application in agriculture and Medical science. Several techniques pertaining to bioscience will also be discussed to strengthen the students with the ability for future advanced studies.

動物複製學實習

1 選

沈朋志

本課程主要提供學生對於動物複製相關實驗之基本操作。課程內容包括：胚之培養與操作、受核卵母細胞之體外生產、供核細胞之製備及冷凍保存、受核卵母細胞之去核操作、供核細胞之注入、複製胚之電融合與激活處理。

Animal Cloning Lab

1 S

P. C. Shen

This course is to offer students about the basic practice of animal cloning. The contents of the basic practice include: culture and manipulation of embryos, in vitro production of recipient oocytes, preparation and cryopreservation of donor cells, enucleation of recipient oocytes, microinjection of donor cells, cell fusion and activation of cloned embryos.