

朝陽科技大學 093學年度第1學期教學大綱  
Special Topics of Bioindustry 生物技術產業特論

當期課號	7287	Course Number	7287
授課教師	李孟真	Instructor	LEE,MENG JEN
中文課名	生物技術產業特論	Course Name	Special Topics of Bioindustry
開課單位	生物技術研究所碩士班一A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標		Objectives	
教材	教師自編教材 teachers own material	Teaching Materials	
成績評量方式	期中考 40% 期末考 40% 出席 20%	Grading	mid term=40% final term=40% presence =20%
教師網頁	-		
教學內容	<p>無特定病原種曲在現代農業上之重要性與應用 微生物農藥概論 免疫學在生物技術產業之應用 基因重組技術在醫藥生物技術產業的應用 費洛蒙之研發及其在植物保護之應用 (3hr), 抗癌藥物與基因治療之研發 生物資訊學在生物技術產業之應用及發展 抗除草劑基改作物之特性及檢測 生技產品效能及安全評估技術概論 醫學檢驗的未來發展趨勢</p>	Syllabus	<p>Importance and application of SPF pathogenic Application of recombinant DNA techniques in pharmaceutical and biotech industry Development of gene therapy and anti-cancer drugs Application and development of bioinformatics in biotech industry Study and diagnosis of transgenic crops functional genomic study of agricultural crops mid term application of immunology in biotechnology industry development and application in plant protection of pheromone safety evaluation of transgenic plants introduction to efficacy of biotechnology product and safety evaluation techniques Trends of medical diagnostics Introduction to microbiological insecticides Research and application of plant viral vectors Application of bioprocess engineering in biotech industry Final term</p>

尊重智慧財產權，請勿非法影印。