朝陽科技大學 096學年度第2學期教學大綱
Microorganisms in relation to life 微生物與生活

當期課號	9111	Course Number	9111
授課教師	張清安	Instructor	CHANG,CHIN AN
中文課名	微生物與生活	Course Name	Microorganisms in relation to life
開課單位	跨院通識(進)	Department	
修習別	選擇必修	Required/Elective	Intercollegiate General Education Topics
學分數	2	Credits	2
課程目標	課程目標爲提供修課學生對於各種微生物種類、演化及其與自然界動植物、人類及環境間互動之關係有概括式的瞭解，課程中並將針對有益及有害微生物與人類生活之關係舉例介紹，使學生能夠在未來日常生活中因此而受益。	Objectives	The objective of this course is to provide students basic information about kinds of microorganisms, their evolution, and relationship and importance to animals, plants, human beings and the environments. In addition, some instances of harmful and beneficial microorganisms to human life will be given in the course.
教材	教師提供綱要及ppt教學檔案	Teaching Materials	Outlines and ppt will be provided by the teacher.
成績評量方式	期中期末二次筆試。	Grading	Mid-term and final examination.
教師網頁			
教學內容	一、課程介紹與總論；二、微生物的種類；三、微生物的演化與分類；四、微生物與環境及生態；五、微生物與動植物；六、微生物與人類生活---有益微生物篇；七、微生物與人類生活---有害微生物篇；八、微生物與人類生活---植物也會生病嗎？；九、微生物與人類生活---微生物與食品及醫藥；十、微生物與人類生活---微生物工業。	Syllabus	A.Introduction; B.Kinds of microorganisms; C. Evolution and taxonomy; D. Effects of microorganisms on ecology and evironment; E. Effects of microorganisms on animals and Plants; F. Effects of microorganisms on human life---benefial microorganisms; G. Effects of microorganisms on human life---harmful microorganisms; H. Effects of microorganisms on plant diseases; I. Effects of microorganisms on food and drug; J. Microorganism industry.

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