# 朝陽科技大學 098學年度第2學期教學大綱
# Biotechology 生物科技

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| **當期課號** | 0162 | **Course Number** | 0162 |
| **授課教師** | 詹□松 | **Instructor** | CHAN,HSIAO SUNG |
| **中文課名** | 生物科技 | **Course Name** | Biotechology |
| **開課單位** | 自然與科技發展課群(日) | **Department** | |
| **修習別** | 選擇必修 | **Required/Elective** | Topics in Natural and the? Development of Sciences |
| **學分數** | 2 | **Credits** | 2 |
| **課程目標** | 隨著DNA的發現，人們進入了基因時代。當生物科技興起，並成爲二十一世紀明星產業的時刻，本課程將以深入淺出的方式介紹生物科技在農業上、醫學上以及生態環境上所造成的影響與衝擊，培養同學對此新興科技的基本認知，進而更加瞭解生命並且尊重生命。 | **Objectives** | In Biotechnology, students are introduced to the scientific study of living things. They should develop their understanding of the influence of biotechnology in agriculture, medicine as well as in environment. Students should be able to recognize genes, to understand biotechnology, to develop their conscience and to have respect to all things in the world. |
| **教材** | 自編講義。 | **Teaching Materials** | teachers own material |
| **成績評量方式** | 測驗（60%）、平時成績（作業、出席與討論）（40%） | **Grading** | Quiz (60%)、class performance (attendance and participation) (40%) |
| **教師網頁** | _ | | |
| **教學內容** | 1.生物科技發展史。<br>2.生物、DNA和基因操作技術之介紹<br>3.微生物生物科技<br>4.植物生物科技<br>5.海洋生物科技<br>6.動物生物科技<br>7.醫藥與生物科技<br>8.生化製程之分離純化技術<br>9.生物科技的未來 | **Syllabus** | 1.Introduction to biotechnology<br>2.Organism, DNA and gene<br>3.Microorganism and biotechnoly<br>4.Plants and biotechnology<br>5.Aquaculture and biotechnology<br>6.Animals and biotechnology<br>7.Clinical medicine and biotechnology<br>8.Bioseparation process<br>9.Future of biotechnology: crisis ? |

尊重智慧財產權，請勿非法影印。