# 朝陽科技大學 096學年度第1學期教學大綱
# Environment & Ecological 環境與生態

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| **當期課號** | 9050 | **Course Number** | 9050 |
| **授課教師** | 林國清 | **Instructor** | LIN,KUO CHING |
| **中文課名** | 環境與生態 | **Course Name** | Environment & Ecological |
| **開課單位** | 自然與生命科學課群(進) | **Department** | |
| **修習別** | 選擇必修 | **Required/Elective** | Topics in Natural and Life Science |
| **學分數** | 2 | **Credits** | 2 |
| **課程目標** | 一、培養學生正確之環境觀及生態概念。<br>二、讓學生了解環境之基本課題、環境問題對生態環境之影響及其解決之道。<br>三、培養學生探究環境科學興趣、愛護生態環境及鑑賞自然和諧之美。<br>四、培養學生敬畏自然、尊重生命的觀念與行為。<br>五、讓學生認識生物圈生命之多樣性，了解人類在自然環境中的地位與責任。<br>六、探討生態系的構造及組成，並了解生物與環境間的關係。<br>七、讓學生了解自然環境中包括沙漠、草原、森林、雨林等陸地生態系及淡水、海洋、河口等水域生態系。 | **Objectives** | The objective of this course is to provide students<br>1. To understand the correct environmental and ecological concept.<br>2. To understand the fundamental issues in environmental science. How environmental problems impact the ecological environment and the means to deal with these problems.<br>3. To explore the environmental science, to cherish ecological environment and to appreciate the harmony and beauty in nature.<br>4. To know the natural biodiversity and the position and responsibility of human in nature.<br>5. To investigate the ecosystem components and the relationship between biology and environment. |
| **教材** | 朱錦忠著「環境生態學」，新文京開發公司，94年，ISBN 957-512-807-9.<br>參考書籍：Tyler Miller, JR. 2005. Essentials of ecology. 3e. Thomson. ISBN 0-534-99775-9. | **Teaching Materials** | 朱錦忠著「環境生態學」，新文京開發公司，94年，ISBN 957-512-807-9.<br>參考書籍：Tyler Miller, JR. 2005. Essentials of ecology. 3e. Thomson. ISBN 0-534-99775-9. |
| **成績評量方式** | 1.出席及平時作業 40%.<br>2.期中考試 30%.<br>3.期末考試 30%. | **Grading** | 1.class participation and homeworks40%.<br>2.mid-term examination 30%.<br>3.final examination 30%. |
| **教師網頁** | | | |
| **教學內容** | 本課程內容包括環境科學基本概念、環境問題對環境之影響、生態與環境的關係、族群的形成與特性、群落的構造與特質、生態的組成與基本作用、生態平衡、陸地生態系、水域生態系、台灣特有的生態系。 | **Syllabus** | the contents of this course include fundamental issues in environmental science, how dose environmental problems impact the environment, the relationship of ecology and environment, formation and trait of population, struture and trait of community, components and basic function of ecosystem, terrestrial ecosystem and aquatic ecosystem, and Taiwan endemic ecosystem. |

尊重智慧財產權，請勿非法影印。