# 朝陽科技大學 091學年度第1學期教學大綱
# Introduction to Computers 計算機概論

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| 當期課號 | 2733 | Course Number | 2733 |
| 授課教師 | 張本杰 | Instructor | CHANG,BEN JYE |
| 中文課名 | 計算機概論 | Course Name | Introduction to Computers |
| 開課單位 | 資訊工程系(四日)一A | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | -計算機簡介 - 數字系統 - 計算機結構 - 電腦軟體 - 資料結構 - 電腦網路應用 - 電腦潛能發展 | Objectives | -Introduction to Computer Sciences<br>-data and Number Representation<br>-Computer Organization<br>-Computer Networks<br>-Operating Systems<br>-Algorithms<br>-Programming Languages<br>-data Structures<br>-File Structures<br>-Databases<br>-Security<br>-Theory of Computation |
| 教材 | 上課教學 | Teaching Materials | class teaching |
| 成績評量方式 | 作業，期中末考試 | Grading | Homework, midterm, and final |
| 教師網頁 | _ | | |
| 教學內容 | 1. Introduction<br>2. Computer History (5G)<br>3. Computer Architecture<br>4. CPU History<br>5. Memory Hierarchy<br>6. Cache<br>7. Input Devices<br>8. Output Devices<br>9. Bus (ISA, EISA, MCA, VESA, PCMCIA, PCI, USB,....)<br>10. Digit Conversion (Bin, Oct, Decimal, Hex)<br>11. OS Introduction(98, 2K, XP, Linux, Solaris)<br>12. OS Structure<br>13. Application (Office, Image, Draw, Flash, Coding, Math,...)<br>14. Networking (Client-Server, Protocol, OSI, ...)(option)<br>15. Data Structure (option)<br>16. Coding (C, C++, Java,...)(option) | Syllabus | 1. Introduction<br>2. Computer History (5G)<br>3. Computer Architecture<br>4. CPU History<br>5. Memory Hierarchy<br>6. Cache<br>7. Input Devices<br>8. Output Devices<br>9. Bus (ISA, EISA, MCA, VESA, PCMCIA, PCI, USB,....)<br>10. Digit Conversion (Bin, Oct, Decimal, Hex)<br>11. OS Introduction(98, 2K, XP, Linux, Solaris)<br>12. OS Structure<br>13. Application (Office, Image, Draw, Flash, Coding, Math,...)<br>14. Networking (Client-Server, Protocol, OSI, ...)(option)<br>15. Data Structure (option)<br>16. Coding (C, C++, Java,...)(option) |

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