

# Introduction of Introduction to Computers

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# Goal

- The course aims to help students to learn the related knowledge of **data structure** and **the advanced algorithms**.
- Midterm is tested by paper exam. In the end, students have to develop their own project with **database** by **Software Engineering Methodology**. In addition, final paper exam is optional.

# Evaluation

- Attendance ..... 30%
  - ✓ 3 chances
- Midterm Exam ..... 30%
  - ✓ Paper Exam
- Final Project ..... 40%
  - ✓ Paper Exam
  - ✓ Final Project

# Topics

- CHAPTER 1. 計算機簡介
- CHAPTER 2. 數位資料表示法
- CHAPTER 3. 計算機組織
- CHAPTER 4. 作業系統
- CHAPTER 5. 電腦網路
- CHAPTER 6. 網際網路
- CHAPTER 7. 網路應用
- CHAPTER 8. 網路安全
- CHAPTER 9. 程式語言
- CHAPTER 10. 資料結構
- CHAPTER 11. 演算法
- CHAPTER 12. 軟體工程
- CHAPTER 13. 資料庫
- CHAPTER 14. 電子商務
- CHAPTER 15. 其他重要課題
  - 15-1. 雲端運算
  - 15-2. 感測網路與物聯網
  - 15-3. 生物資訊
  - 15-4. 多媒體
  - 15-5. 電腦視覺
  - 15-6. 人工智慧
  - 15-7. 資料壓縮
  - 15-8. 計算理論

Resource is available by  
<https://jiaweichang.github.io/biography/>

**THANKS**