Assembly Language and System Programming

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Course Outline

1. (24/2, 27/2) Introduction, Assembly Language Fundamentals
2. (3/3, 6/3) Assembly Language Fundamentals
3. (10/3, 13/3) Data Transfers, Addressing, and Arithmetic
4. (17/3, 20/3) Procedures
5. (24/3, 27/3) Procedures
6. (3/30, 3/4) Conditional Processing
7. (7/4, 10/4) Conditional Processing
8. (14/4, 17/4) Integer Arithmetic
9. (21/4, 24/4) Advanced Procedures
10. (28/4, 1/5) Strings and Arrays
11. (5/5, 8/5) Mid Term, 上機考
12. (12/5, 15/5) Structures and Macros
13. (19/5, 22/5) High-level Language Interface
14. (26/5, 29/5) Assemblers
15. (2/6, 5/6) Assemblers
16. (9/6, 12/6) Linking Loaders
17. (16/6, 19/6) Macro Processors
18. (23/6, 26/6) Final term: Contents of weeks 1-17 (ASM: 50% + SS: 50%)
• **Project & Homework**
  - Homework (3-4個): hand-in source code and report
  - Project  x1: demo

◆ **Assembly language programming**
  • using MS Visual Studio 2005

• **Grading**
  - Homework : 15%
  - Project : 15%
  - Mid-term (上機考, Assembly): 25%
  - Final exam (筆試, Assembly + System programming): 35%
  - 其它 (quiz, attendance): 10%
• **Course Material**
  
  – **Reference Books**
  
  – **Lecture download**
    - Goto teacher’s web page
    - Follow the CourseMaterial link you will find the web site of course AssemblyLanguage and SystemProgramming
      - Password: ASM09