

Computer Organization

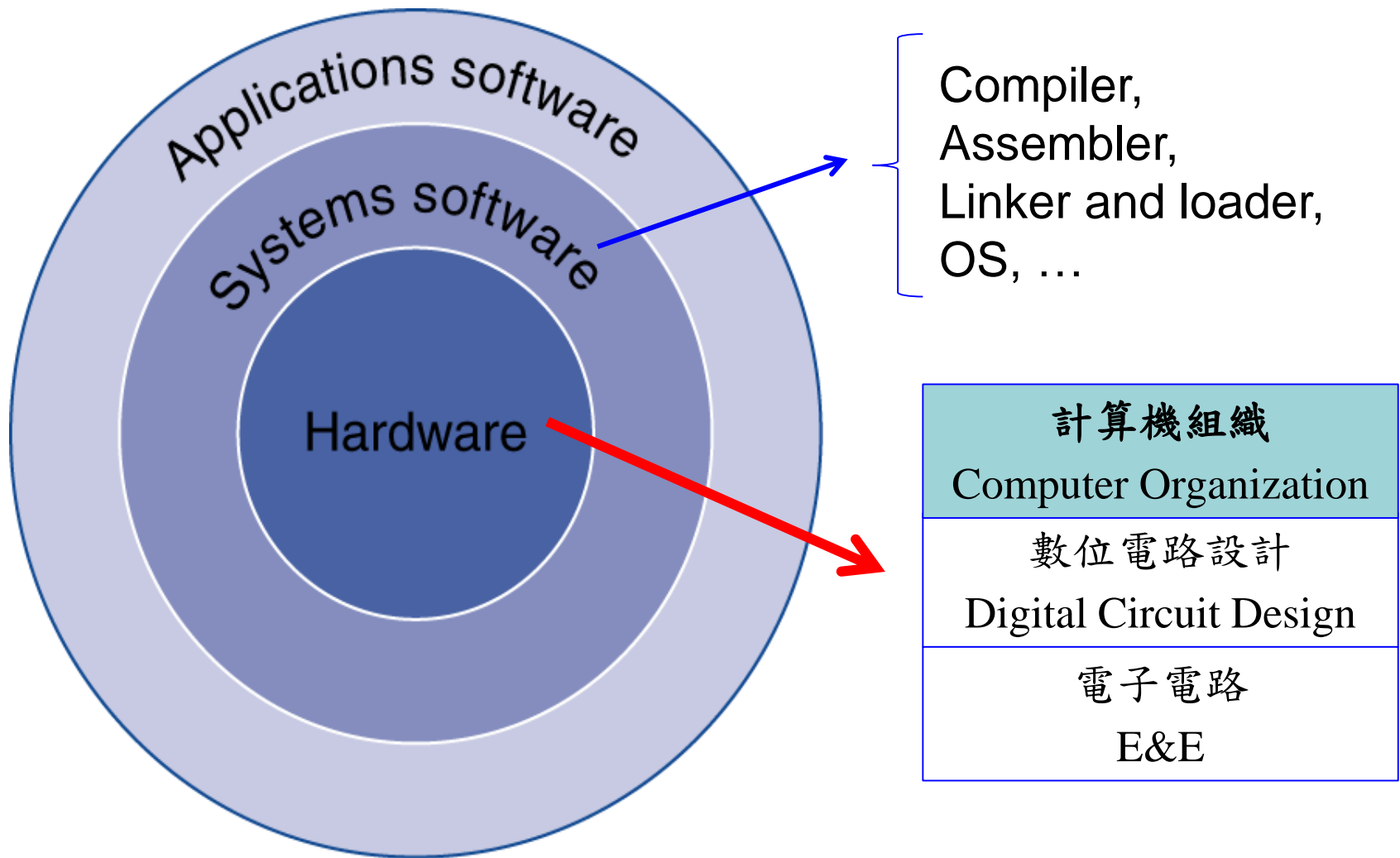
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- **Course outline**

Ch 1: Computer Abstractions and Technology

Ch 2: Instructions: Language of the Computer

Ch 3: Arithmetic for Computers

Ch 4: The processor

Ch 5: Memory Hierarchy

Ch 6: Multiprocessor



- **Projects**

- 1 term project with 4~5 stages

- Using verilog

- 1 member per team.

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- **Course material**

- **Text Book:** “Computer Organization & Design, The Hardware/Software Interface,” David A. Patterson and John L. Hennessy, MORGAN KAUFMANN, 5th edition.
- **Lecture handout (including this course outline)**
 - Download from new E3 (<http://e3new.nctu.edu.tw>)
- **Project assignment & announcement**
 - on new E3 platform

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- **Grading**
 - 3 exams: 60%
 - Quizzes, 20%
 - 1 term project (4~5 stages): 20%