

3EL12

Parallel Computer Architecture

(Advanced Computer Architectures)

Iain McNally

24 lectures

Parallel Computer Architecture

- **Content**

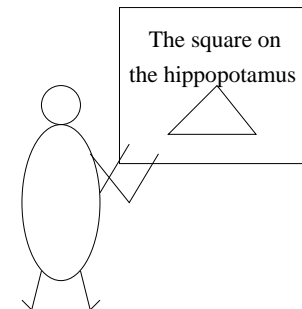
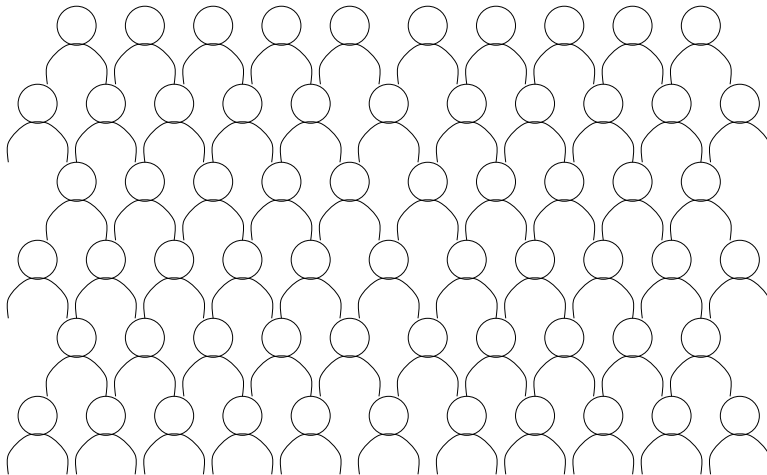
- **Introduction**
- **Types of Parallel Machine**
- **Architecture Issues**
- **Programming Issues**
- **Case Studies**

- **Books**

- **Parallel Computers 2**
Roger W. Hockney & Chris R. Jesshope
Adam Hilger
- **Computer Architecture and Parallel Processing**
Kai Hwang & Fayé A. Briggs
McGraw-Hill

Lecture Style

Lecture (1) A method for the transfer of information from the notes of the lecturer to the notes of the student without passing through the brains of either.



Lecture Style

Lecture (2) A method for the transfer of information from the notes of the lecturer to the brain of the student.

- Pre-written lecture notes:

Beautiful pictures

Economy of words

- Lecturer Input:

Attend

Explain

Answer questions

- Student Input:

Attend

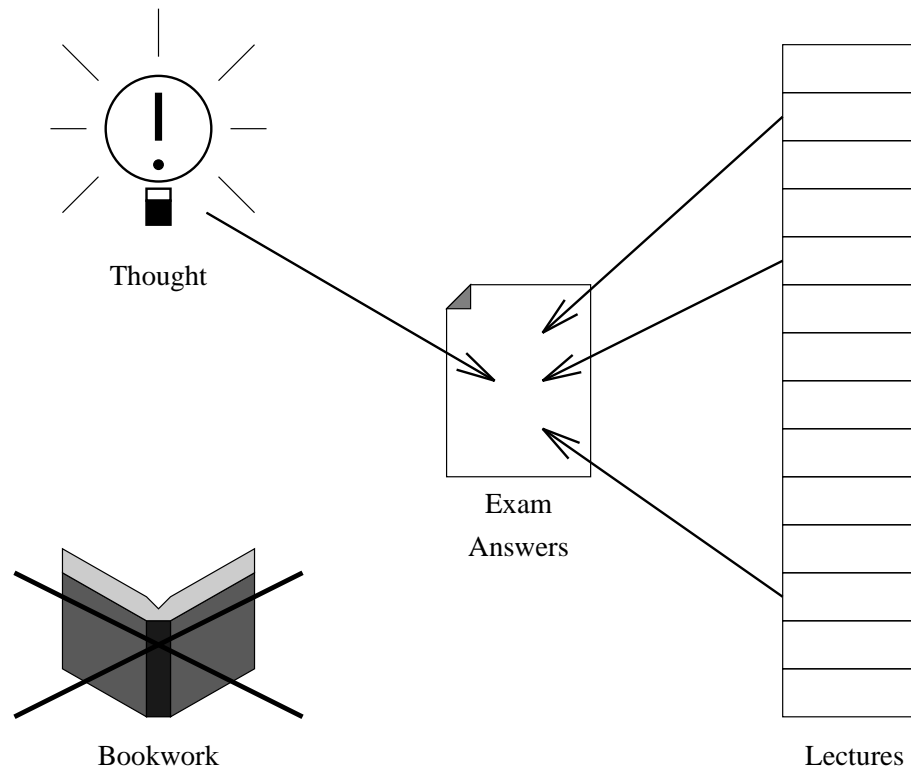
Ask Questions

Understand

Exam

- Format: Answer 3 questions from 5 in $2\frac{1}{4}$ hours.

Answering questions:



- Each answer may draw on knowledge from a number of lectures.