









- ▶ Lectures:
 - ▶ Relate to chapter 7 and 8 of Mano & Kime textbook
 - ▶ Prerequisite:
 - ► Chapter 1-6 of Mano & Kime textbook from 1ba4
- ▶ Tutorials:
 - ► Will largely be problems from Mano & Kime textbook and the two projects.
- ▶ Projects:
 - ► There will be two in which you will be asked to design and simulate key elements of a process unit.

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Course Objective

The aim is to give you a good understanding of the design and operation of an instruction processing unit and the functional subsystems which execute these instructions.

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Assessment Assessment

- ▶ By examination and coursework
- ▶ Ratio 80% to 20% respectively
- You are required to obtain a pass in the coursework in order to achieve a pass in 2ba4

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Von Neumann Architecture

- ► This design was first specified by John von Newmann in 1940 and so the resulting architecture is often called the 'von Neumann' architecture.
- ▶ Please see the following web page:
 - http://www-gap.dcs.stand.ac.uk/~history/Mathematicians/Von_Neumann.html

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