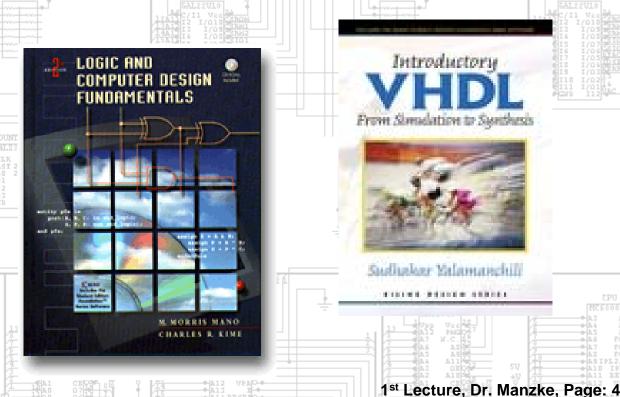


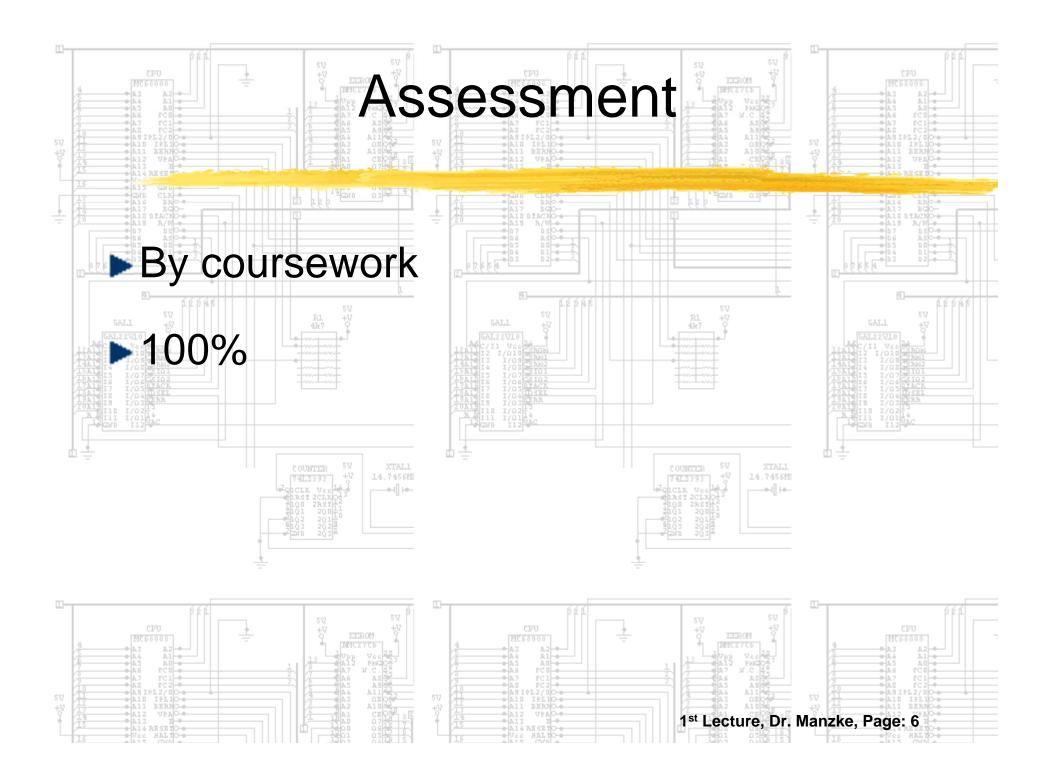


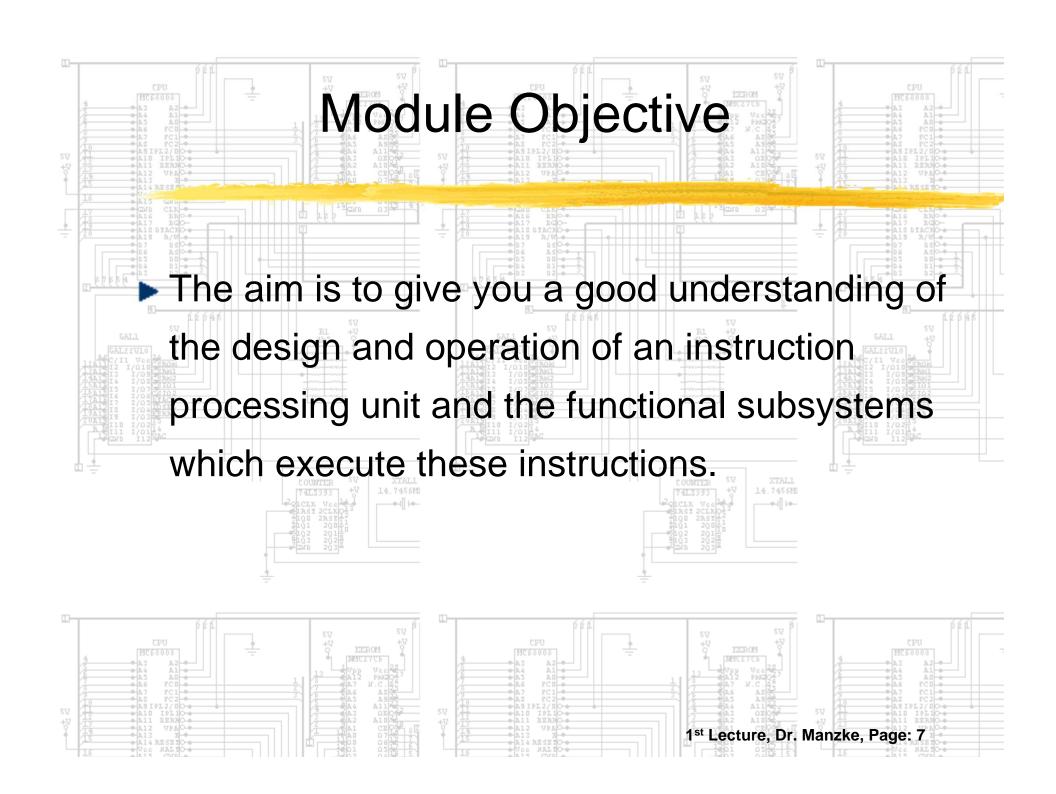
- "Introductory VHDL: From Simulation to Synthesis"
- "Logic and Computer Design Fundamentals" 2nd Edition updated, Mano (includes Xilinx Student Edition 4.2i software)



Organisation of the Module

- ▶ Lectures:
 - ▶ Relate to chapter 7 and 8 of Mano & Kime textbook
 - ➤ Prerequisite:
 - ► Chapter 1-6 of Mano & Kime textbook
- ▶ Tutorials:
 - ► Provides you with help for the project
- Projects:
 - You will be asked to design and simulate key elements of a processor.





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

