

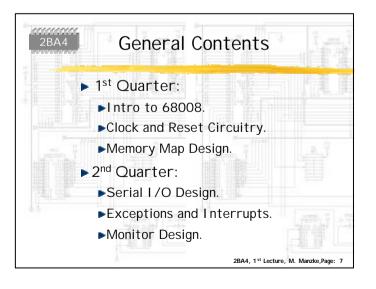
2BA4

Key Hurdles

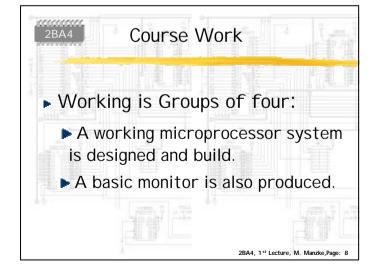
- ► Understanding the general principles used to get the different components to work together.
- Gaining experience at the diagnostic and testing skills needed to solve the problems that will inevitably arise.
- ► Coping with the documentation provided by the device manufacturer.

2BA4, 1st Lecture, M. Manzke, Page: 4

Duration: Half year. Number of Lectures per Week: Two Number of Tutorials per Week: One, but tutorials could be lectures or lab demos. Number of Lab Hours per Week: One



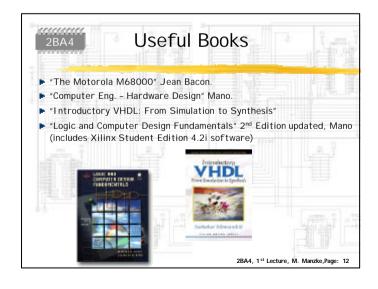
Course Overview (two) Hardware and Software used: asm68k cross assembler SPRINT EPROM & PAL programmer VHDL (XILINX - ISE Logic Design Tools) Mentor Graphics Design Capture Expedition M68008 projects kits more Prerequisites: Digital Logic (1BA4) Electro technology (1BA5) 68XXX Assembly Language Programming (1BA3) 2BA4, 1st Lecture, M. Manzke, Page: 6



■ Each group member must hand up a description of their project. ■ The report should include: ■ Design of microprocessor system hardware + circuit diagram. ■ Description of construction and initial testing. ■ Discuss any interesting problems encountered ■ Design of monitor program + fully documented monitor listing.

PATEUR 2BA4 Exam ■ 8 Questions ■ 4 Questions from Microprocessor Systems ■ 4 Questions from Computer Architecture ■ You must answer 5 questions ■ At least 2 from Part I and 2 from Part II

Pass 2BA4 -> You must pass the Exam and Course Work Pass the 2BA4 Exam -> Exam Marks >= 40% Pass the 2BA4 Course Work -> Part I Course Work >= 40% and Part II Course Work >= 40%



Laboratory Sessions ►Used for: ►I ssuing and explaining equipment. ►Providing assistance. ►Assessing Project Work. ►Takes place in LG35/36

