WEEKLY COURSE CONTENTS

1- Overview
2- A Top-Level View of Computer Function and Interconnection
3- Cache Memory
4- Internal Memory Technology
5- External Memory
6- Input/Output
7- Midterm Exam
8- Computer Arithmetic
9- Instruction Sets: Characteristics and Functions
10-Instruction Sets: Addressing Modes and Formats
11-Processor Structure and Function
12-Reduced Instruction Set Computers (RISCs)
13-Instruction-Level Parallelism and Superscalar Processors
14-Parallel Processing
15-Multicore Computers