Final: Closed book and notes, no calculator

- Number systems
- Simplification using K-map (up to 5 variables)
 - SOP, POS, Standard SOP and POS, Min.
 SOP and POS
- Design of combinational circuits
 - Circuit conversion to all NAND or NOR gates
 - Multiplexers, Demultiplexers, Decoders, Encoders
 - Design of combinational circuits using PLD's

- Latch and flip flops characteristics and excitation tables, design of ripple counters
- Analysis of sequential circuits
- Design of sequential circuits
 - Design using Mealy and Moore model
 - Design of a sequence detetector
 - Design of a controller
 - Design of a shift register