ECED 2200 - Digital Circuits
Must-Knows

The must-knows of combinational circuits are outlined but not limited to the followings:

- Basic logic gates (truth table, conversions)
- Number systems
- Boolean algebra
- Logic circuit synthesis
- Karnaugh maps, minimum S.O.P, minimum P.O.S.
- Arithmetic circuits
- Multilevel combinational circuits
- Harzards and glitches
- Programmable and steering logic
- Decoders, encoders and multiplexers

The must-knows of sequential circuits are outlined but not limited to the followings:

- Memory elements (latches, FF)
- Registers, counters, RAM, ROM
- FSM, design of Mealy and Moore machine