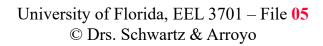




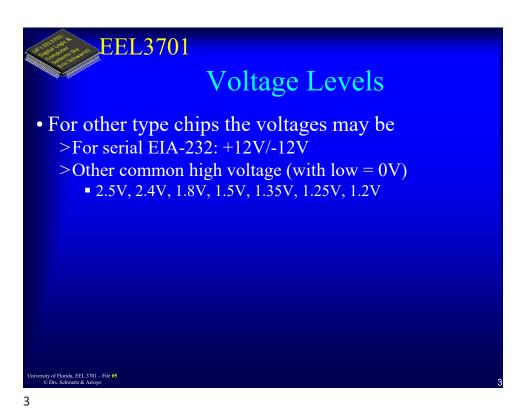
## **Activation Level**

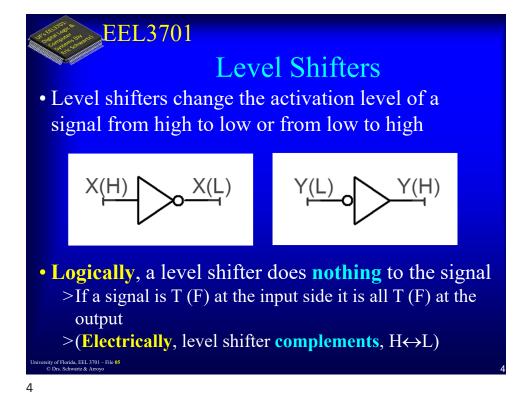
- The *activation level* of a signal is the voltage level at which the signal is considered to be **true**
- Voltage levels are high (H) & low (L); for our chips: > $H \rightarrow +3.3V$  (or +5V or Vcc)
  - $>L \rightarrow 0V$  (ground)
- An *active-high* signal is defined as a signal that is true when it is at a high voltage (aka high true) >The notation for an active-high signal X is X(H) or X.H
- An *active-low* signal is defined as a signal that is true when it is at a low voltage (aka low true) >The notation for an active-low signal Y is Y(L) or Y.L

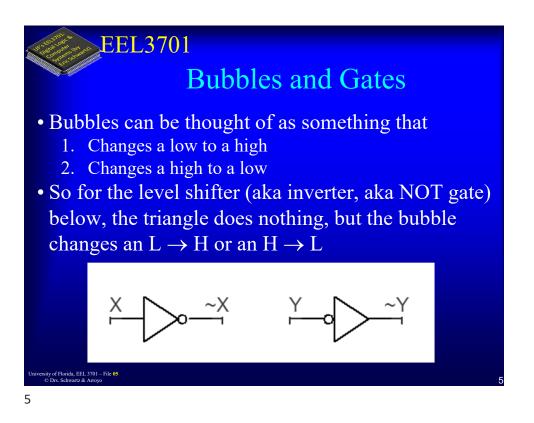


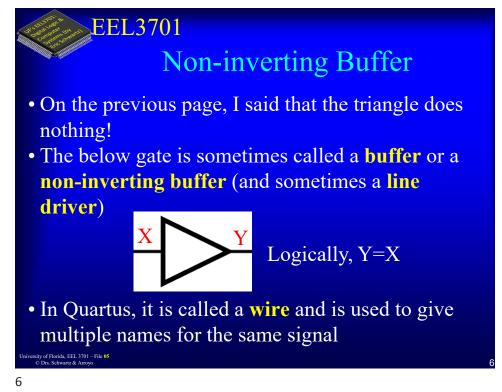
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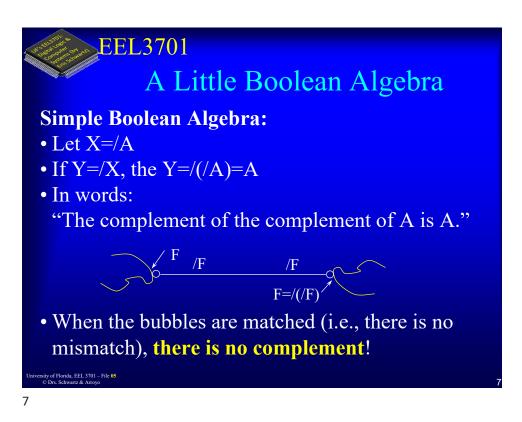
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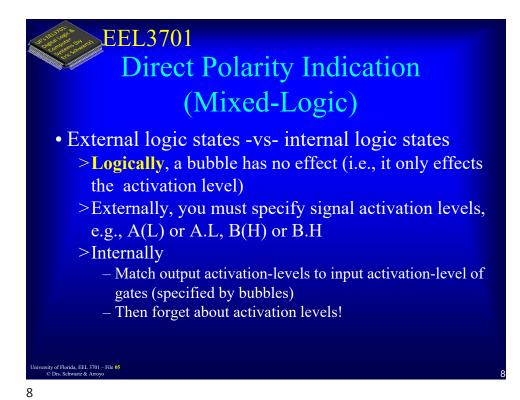


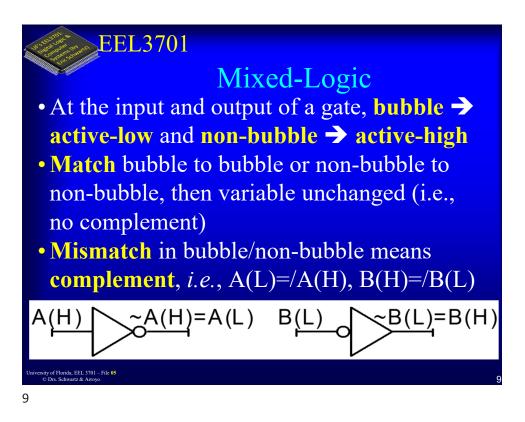


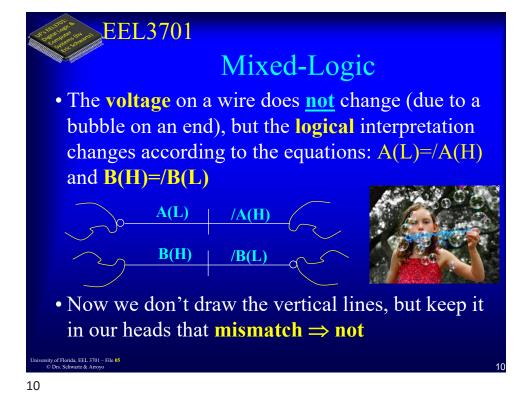


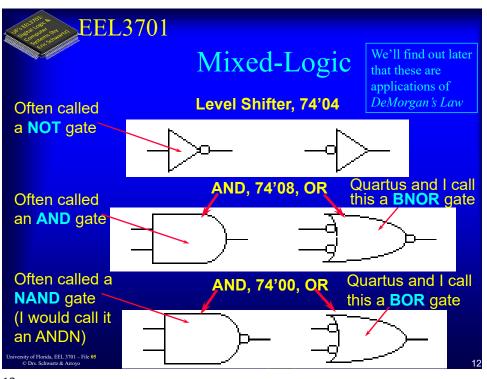


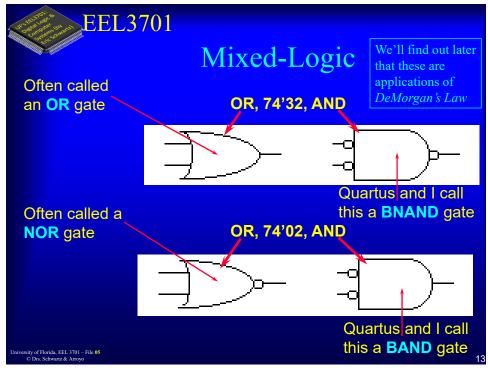






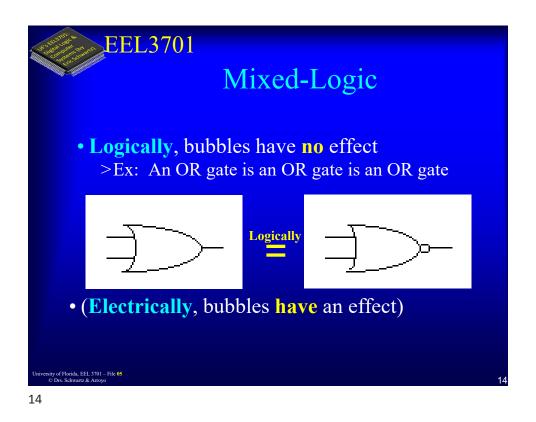


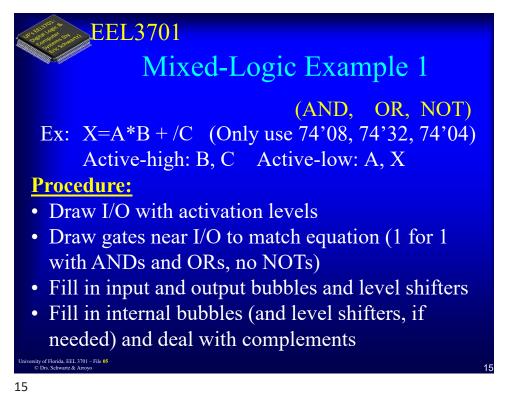


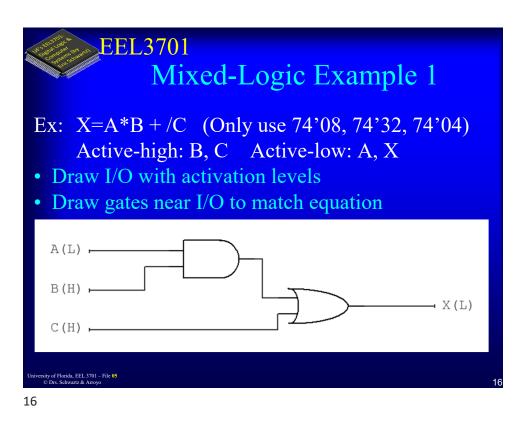


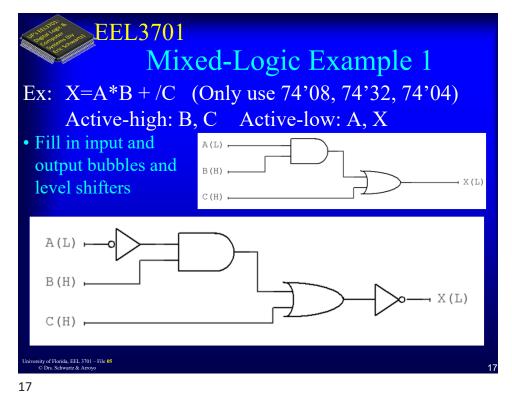
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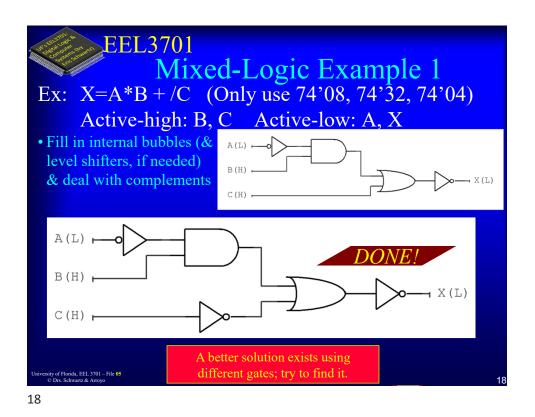
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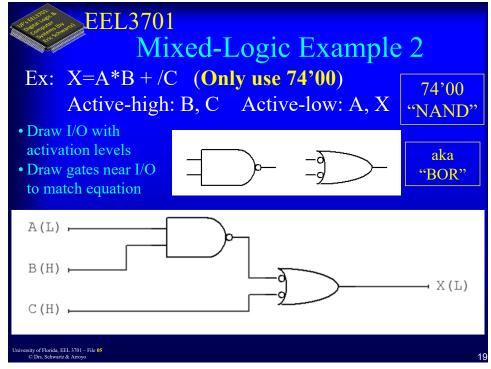


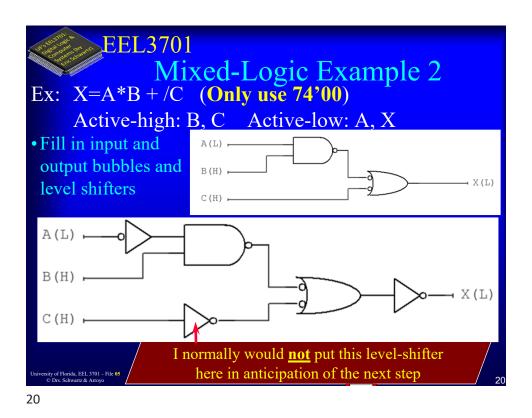


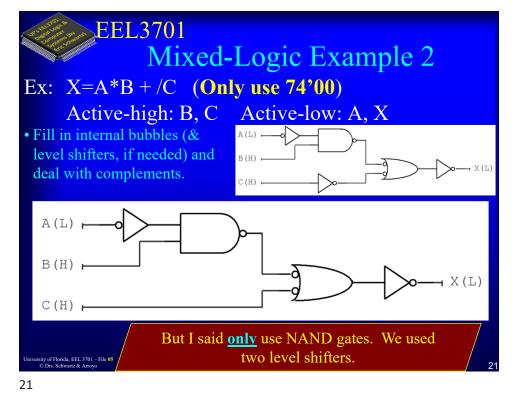


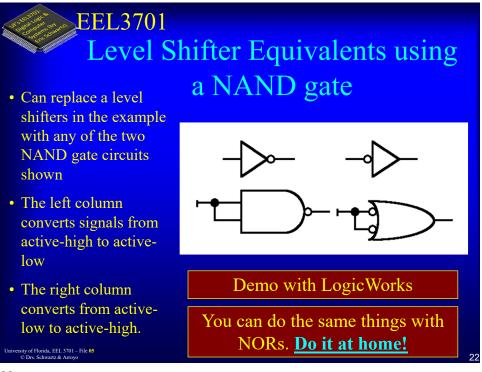




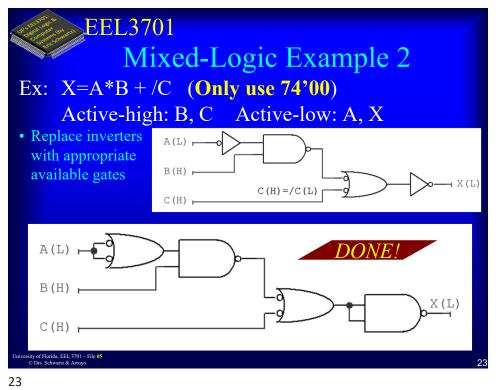


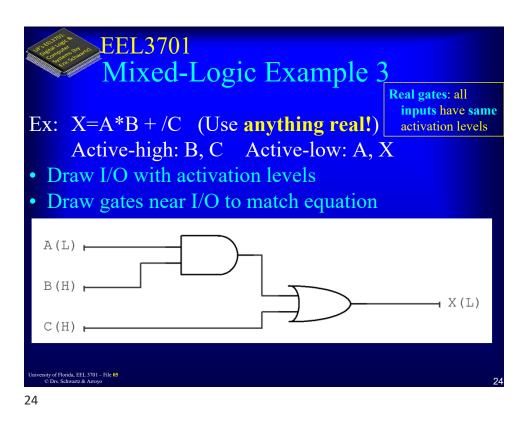


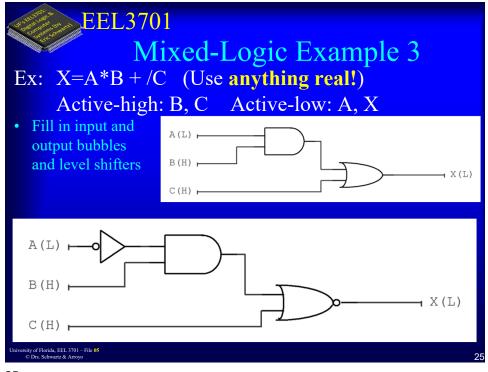




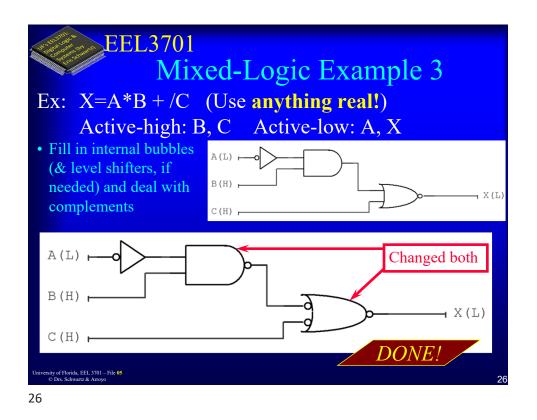


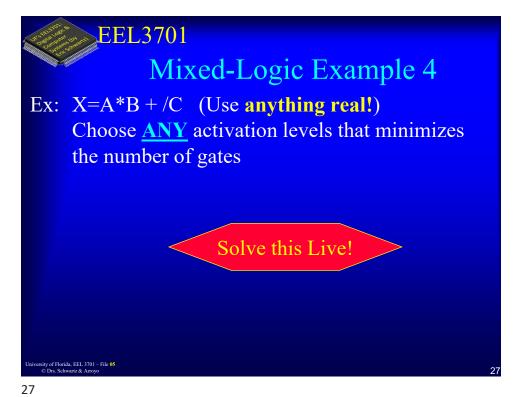


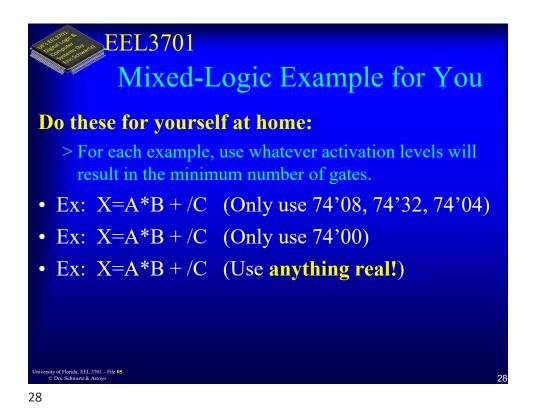


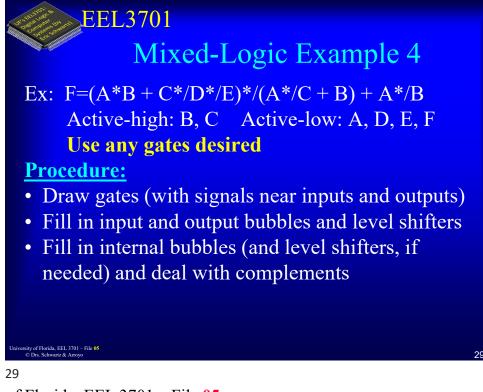


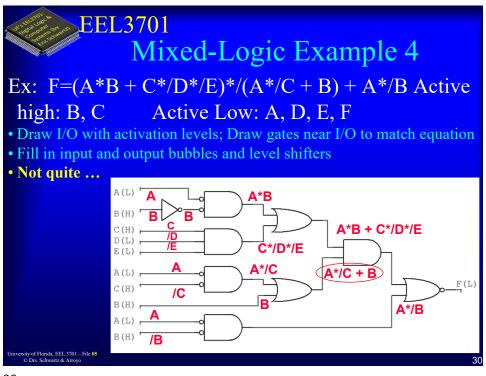
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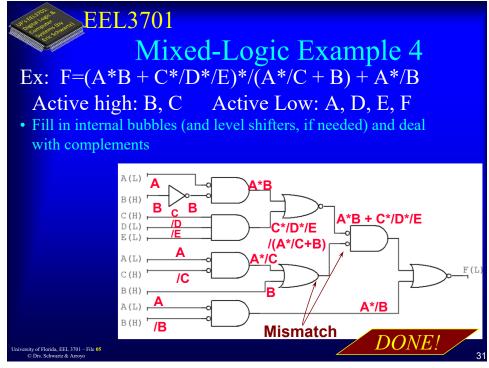


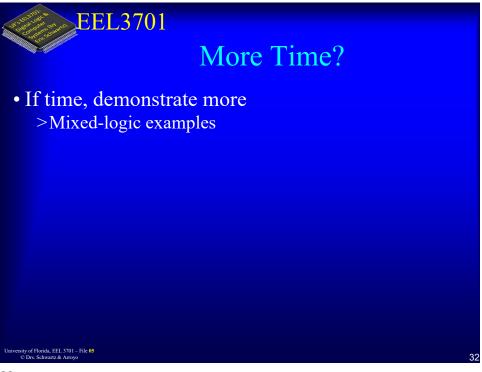


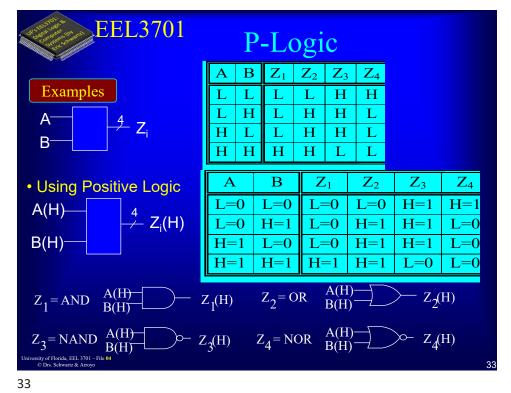


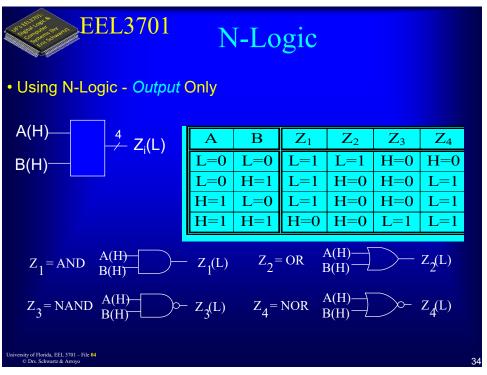


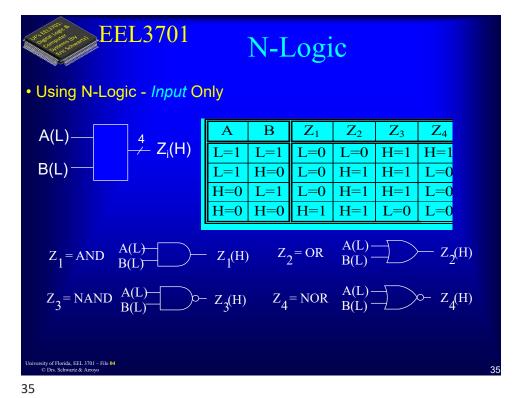


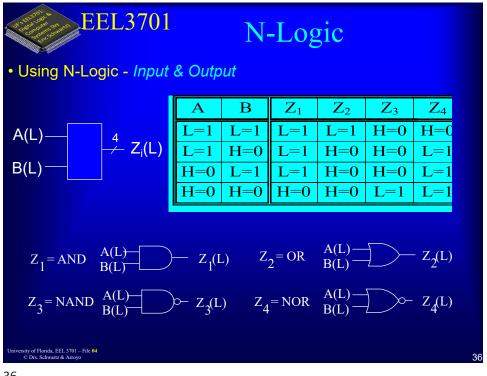


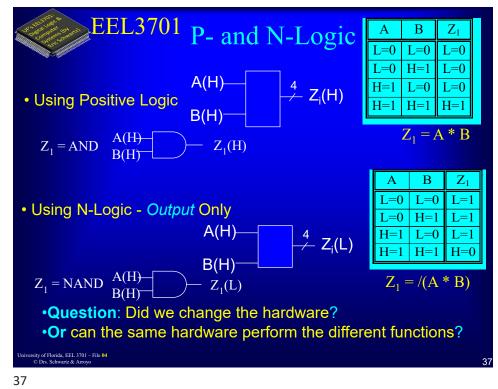


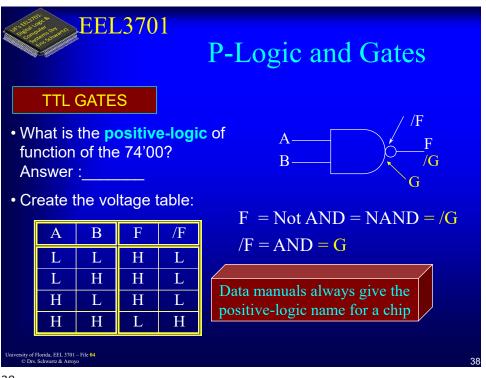


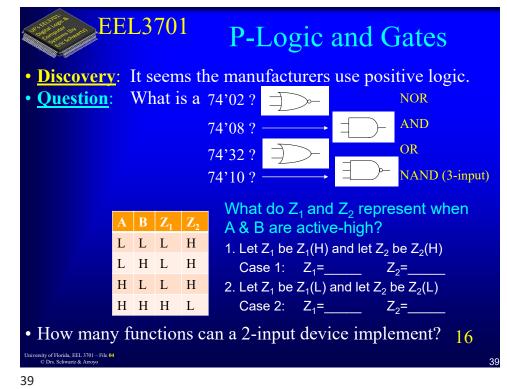


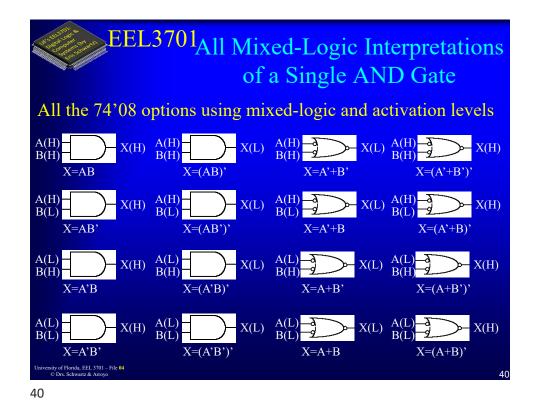


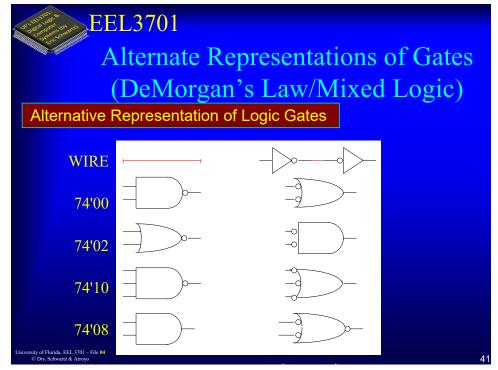












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