# Things To Study!!

$\Leftrightarrow$ "if & only if"

conditional: "If, then" statement

instance: "If" is true & "Then" is true (T, T)

counterexample: "If" is true & "Then" is false (T, F)

proposition: "If" statement

implication: "Then" statement

converse: *opposite*

inverse: NOT p NOT q

Biconditional: "If & only if"

contrapositive: NOT q NOT p

Law of .... Detatchment, Transitivity, & Contrapositive