

# FROM NATURAL LANGUAGE TO PROPOSITIONAL NOTATION

not ...	$\neg$	negation
... and ...	$\wedge$	conjunction
... or ...	$\vee$	disjunction
if ... then ...	$\rightarrow$	implication
... if and only if ...	$\leftrightarrow$	bi-implication

A note on  $\vee$ :  $\vee$  stands for the **inclusive** disjunction,  
e.g.: “In order to pass the exam question 3 or question 4 must be answered correctly.”  
unlike “either ... or ...” in: “I will spend my summer in South America or in Asia.”