

# PHIL 105 class 3 - Counter examples

## Summary

A counterexample can be used to disprove a universal generalization. This is because universal mean that there is not even one exception.

## Quantifiers Continued

No to all conversion

No people-responsible are punishment escapers

All PE are NON-PR

Can combine All and Only

Exactly overlap

All and Only speech that directly incites violence should be banned.

## Counter Examples

All artworks are paintings

$\Leftrightarrow$

only paintings are artworks

$\Leftrightarrow$

All non-paintings are non-artworks

$\Leftrightarrow$

No artworks are non-paintings

This counterexample is an artwork that is a non-painting