Logical Definitions

Valid Inference
This is an argument whereby the premises lead logically to the conclusion (note: valid inference
does not ensure that the premises themselves are valid).

Cogency
A cogent argument is one that is based on a valid inference.

Valid Argument
This is an argument with a valid inference (which makes it a cogent argument) and also valid
premises, which include all vital information.

Valid Inference, Invalid Argument
This is an argument that contains a valid inference (cogency), but is based on premises that are
invalid, or that omit vital information.