LOGIC Lecture 1

Some definitions:

Argument: a set of sentences consisting of one or more premises, which contain evidence, and a conclusion which should follow from the premises.

Deductive (argument): premises provide absolute support for conclusion

Inductive (argument): premises provide some degree of support for conclusion

Valid (argument): instance of a valid form

Valid form: argument form where there are no instances of all true premises and a false conclusion

Counterexample: instance of argument form where premises are all true and conclusion is false

Sound (argument): deductive argument which is valid and has true premises