**Symbolic Logic (Sentential)**

**In Unit 4 we will learn how to analyze arguments based on their sentence structure. There are ways to symbolize particular kinds of sentences, and then use those symbols to find out what makes a sentence true or false, and whether or not sentences in the form of arguments actually follow from each other with deductive validity or not.**

## Objective:

Determine truth values using truth tables, generate proofs from rules of inference, and determine the validity of symbolized arguments.

## Readings and Multimedia

There are five readings in Unit 4:

ForAllx Chapter 2 http://www.fecundity.com/codex/forallx.pdf CC

Module on Basic Logic http://philosophy.hku.hk/think/logic/intro.php Creative Commons Attribution-Noncommercial-Share Alike

Module on Sentential Logic http://philosophy.hku.hk/think/logic/intro.php Creative Commons Attribution-Noncommercial-Share Alike

Truth Tables http://www.butte.edu/~wmwu/iLogic/3.2/iLogic_3_2.html CC BY

ForAllx Chapter 3 http://www.fecundity.com/codex/forallx.pdf CC

Our video on Symbolic Logic is:

Different Types of Arguments https://itunes.apple.com/itunes-u/critical-reasoning-for-beginners/id387875757?mt=10#ls=1 CC Oxford Open U

Our online multimedia app is:

The Logic App - http://www.hatzicware.com/jLogic/

**Activities:**

One Unit Quiz

At least 2 topics, posting of Logic App screencaptures?

Self-Assessments, Short Multiple Choice Ungraded for Practice Within the Unit