

**Introduction to Logic
Instructor: Dr. Sheley
First Exam**

Study Guide

The exam will be held TBA (see the course website).

Exam questions will be a combination of multiple choice, true/false, and short answer/fill in the blank.

You will be allowed to use a 3x5 notecard for the exam. No other resources are allowed.

Know these concepts:

Argument
Statement
Non-statement

Deduction
Valid
Invalid
Sound

Induction
Strong
Weak
Cogent

Valid Forms:
Disjunctive Syllogism
Modus Ponens
Modus Tollens
Hypothetical Syllogism
Invalid Forms

Know how to do the following:

Identify the form of the argument
Be able to identify the conclusion in a paragraph
Identify the Valid form of an argument (whether MP, DS, etc.)
Be able to distinguish valid from invalid forms
Be able to construct the truth table for common statements (or, and, conditional, not)
Be able to construct truth tables for compound statements
Translate from English language to symbols, and from symbols to English language