

Session One – The Basics of Logic

I. Logic and Logical Truths

A. Logic

1. As mode of thought
2. As reasonable
3. As critical-logical model

B. Logical Truths

1. What makes a logical truth
2. Form vs. content

C. Some logical truths

1. $P \vee \sim P$
2. $\sim (P \& \sim P)$
3. $P \supset P$

D. Validity

1. Explained
2. Examples
3. Premises or Reasons and Conclusion or Claims

E. Connectives

1. $\sim, \supset, \&, \vee$
2. Bivalence
3. Truth values

F. Logical Truths (2)

1. Modus Ponens $[P \& (P \supset Q)] \supset Q$

2. **Modus Tollens** $[\sim Q \ \& \ (P \supset Q)] \supset \sim P$
3. **Disjunctive Syllogism** $[\sim P \ \& \ (P \vee Q)] \supset Q$
4. **BUT:** $[P \supset (Q \supset P)]$ and $[\sim P \supset (P \supset Q)]$

G. Soundness

1. Truth of premisses
2. Sound vs. useful arguments

H. The two ways of rejection

1. structure
2. content

II. Informal Logic

A. Reasons and claims

1. Relations
2. Independent reasons
3. Conjoint reasons

B. Argument diagrams

1. simple layouts
2. sorities

C. Probabilistic arguments

1. might, could, maybe, possibly
2. Probability comes in degrees
3. Lawyers and “might”

D. Fallacies

1. RSA Triangle
2. Relevance

a) *Irrelevant reason*

b) *Ad hominem*

3. **Sufficiency**

a) *Ad vericundiam - Appeal to authority*

b) *Ad populum – appeal to popularity*

4. **Adequacy**

a) *Problematic premiss*

E. Faulty logic

Session Two – introduction to Argumentation Theory

III. The History of a New Field

A. The roots

1. **Aristotle : Logos, ethos, pathos**
2. **Modern Times**
 - a) *Perelman and the New Rhetoric*
 - b) *Toulmin's Uses*

B. Recent Ideas

1. **Henry Johnstone**
2. **Charles Hambin**
3. **Paul Grice**
 - a) *The Principle of Cooperation*
 - b) *Conversational implicature*

C. Informal Logic

1. **The drive for relevance**
2. **Review of II**
3. **Communication Theory**
 - a) *Brockriede*
 - b) *Willard*
 - c) *O'Keefe*
 - d) *Wenzel*

D. Pragma-Dialectics

1. **Foundations**
2. **Rules of transformation**
3. **Stages of argument**
4. **The 10 Rules**

E. Summary

IV. Multi-Modal Argumentation

Session Three – Coalescence & Emotion

V. Coalescent Argumentation

VI. Argument and Emotion

Session Four - Arguing with People

VII. Arguing with People

A. Part 1 & 2

1. mostly covered before – review and some additions

B. Part 3

1. Ethos
2. Style
3. Rules

VIII. Oral argumentation – bringing it together.