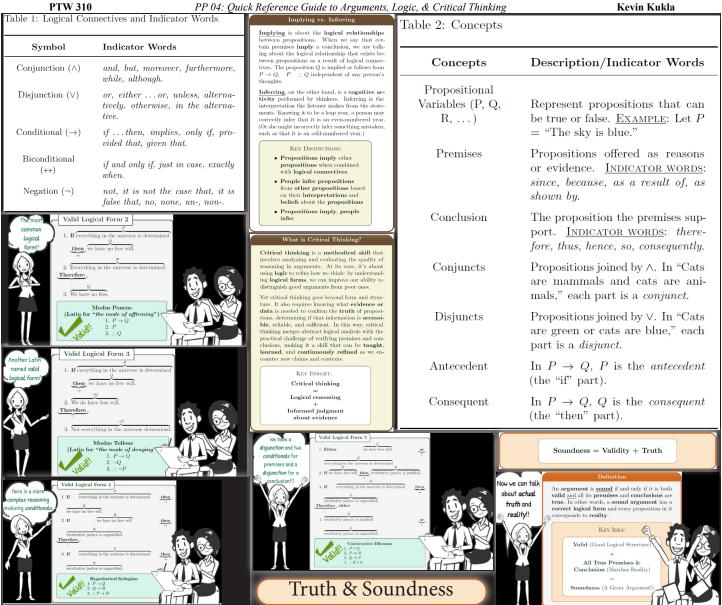


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Valid Logical Forms

Name of Inference Rule	Standard Logical Form
Modus Ponens	If $P \to Q$ and P , then $\therefore Q$.
Modus Tollens	If $P \to Q$ and $\neg Q$, then $\therefore \neg P$.
Hypothetical Syllogism	If $P \to Q$ and $Q \to R$, then $\therefore P \to R$.
Constructive Dilemma	If $(P \to R) \land (Q \to S)$ and $P \lor Q$, then $\therefore R \lor S$.
Disjunctive Syllogism	If $P \vee Q$ and $\neg P$, then $\therefore Q$.

References

- Beall, J.C. & Restall, Greg. (2006). Logical Pluralism. Clarendon Press.
- Munson, Ronald, & Black, Andrew. (2016). The Elements of Reasoning. Cengage Learning.
- Priest, Graham. (2017). Logic: A Very Short Introduction (2nd ed.). Oxford University Press
- Priest, Graham. (2008). An Introduction to Non-Classical Logic (2nd ed.). Cambridge University Press.
- Restall, Greg. (2006). Logic: An Introduction. (Fundamentals of Philosophy, Vol. 8). McGill-Queen's University Press.
- Restall, Greg. (2022). Proofs and Models in Philosophical Logic. (Elements in Philosophy and Logic). Cambridge University Press.
- Sainsbury, Mark. (2000). Logical Forms: An Introduction to Philosophical Logic (2nd ed.). Wiley-Blackwell.
- Shapiro, Stuart. (2022). Classical First-Order Logic. (Elements in Philosophy and Logic). Cambridge University Press.
- Sider, Theodore. (2010). Logic for Philosophy. Oxford University Press.
- Sider, Theodore, & Conee, Earl. (2015). Riddles of Existence: A Guided Tour of Metaphysics (2nd ed.). Oxford University Press.
- Williamson, Timothy. (2002). Knowledge and Its Limits. Oxford University Press.