PHIL 3621

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FORMAL LOGIC

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This course develops an understanding of formal logical systems, starting with an introduction of sentential (a.k.a. propositional) logic, and then turning to first-order predicate logic. One focus is on how to translate sentences of English into predicate logic and vice-versa. Additionally, this course investigates how to reason by using formal rules and a derivation system. Other possible topics include logical reasoning in LSAT and GRE tests, the psychology of deductive inference, and the completeness and soundness of the formal systems we use.



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