

COURSE DETAIL

REASONING

Country

United Kingdom - Scotland

Host Institution

University of St Andrews

Program(s)

University of St Andrews

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Philosophy

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

REASONING

UCEAP Transcript Title

REASONING

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course introduces the essential concepts and techniques of critical reasoning, formal propositional logic, and basic predicate logic. Among the central questions are these: what distinguishes an argument from a mere rhetorical ploy? What makes an argument a good one? How can we formally prove that a conclusion follows from some premises? In addressing these questions, students also cover topics such as argumentative fallacies, ambiguity, argument forms and analyses, induction versus deduction, counterexamples, truth-tables, truth-trees (tableaux), natural deduction, and quantification.

Language(s) of Instruction

English

Host Institution Course Number

PY1012

Host Institution Course Title

REASONING

Host Institution Campus

Host Institution Faculty

School of Psychology and Neuroscience

Host Institution Degree

Host Institution Department

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