

Inductive and Deductive Reasoning CTY Course Syllabus

[Day 1](#) (Recursive Formulas and Inductive Reasoning)

[Day 2](#) (Explicit Formulas and Figurate Numbers)

[Day 3](#) (Deductive Reasoning)

[Day 4](#) (Axiomatic Systems)

[Day 5](#) (Proofs)

[Day 6](#) (Limits & Fibonacci Numbers)

[Day 7](#) (Symbolic Logic)

[Day 8](#) (Symbolic Arguments & Paradoxes)

[Day 9](#) (Reasoning Fallacies)

[Day 10](#) (Strategies)

[Day 11](#) (Abductive Reasoning)

[Day 12](#) (Tower of Hanoi)

[Day 13](#) (Game Theory & Infinity)

[Day 14](#) (Reasoning Outside the Box)

[Day 15](#) (Closure)