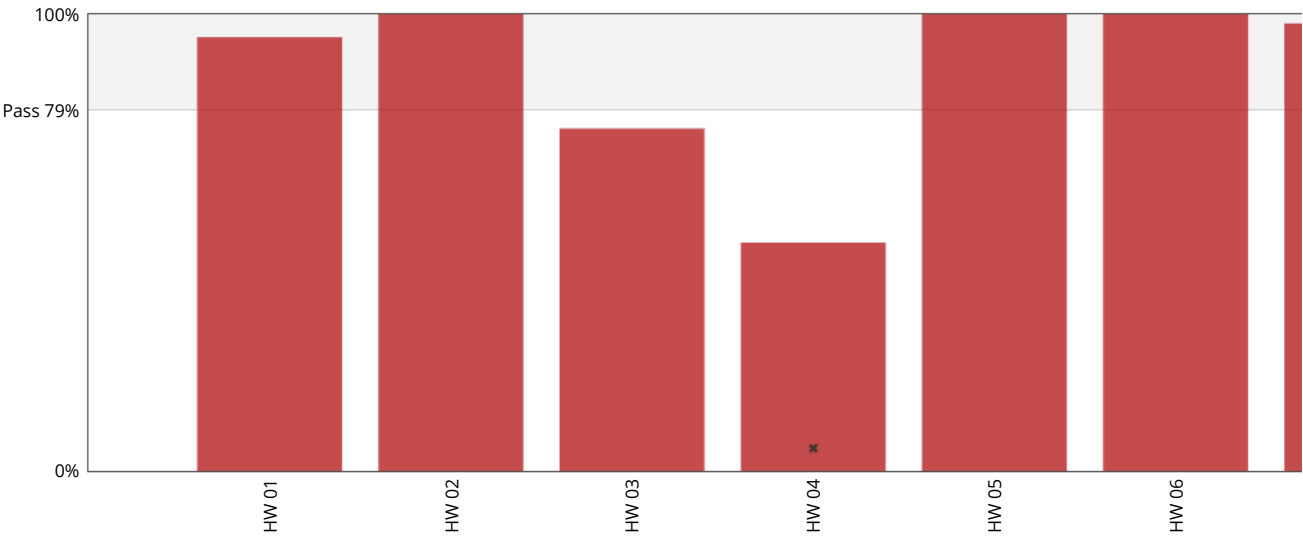




Course Progress for 'sandipan\_dey' (sandipan.dey@gmail.com)



Introduction

About this Class

No problem scores in this section

How to use this website

No problem scores in this section

MITx Philosophy Award

No problem scores in this section

Acknowledgments

No problem scores in this section

Entrance Survey

Entrance Survey.

No problem scores in this section

Infinite  
Cardinalities

**Introduction**

No problem scores in this section

**Hilbert's Hotel** (8/8) 100%

Practice Scores:    1/1        1/1        3/3        1/1        1/1        1/1

**Size Comparisons** (4/4) 100%

Practice Scores:    1/1        1/1        1/1        1/1

**The Real Numbers** (11/12) 92%

Practice Scores:    1/1        1/1        1/1        2/2        1/1        0/1        1/1        1/1  
1/1        1/1        1/1

**Cantor's Theorem**

No problem scores in this section

**The Power Set of Natural Numbers** (3/4) 75%

Practice Scores:    1/1        1/1        0/1        1/1

**Summary and Further Resources**

No problem scores in this section

**Homework** (95/100) 95%

Homework *due Jun 24, 2020 21:30 IST*

Problem Scores:    15/15        15/15        15/15        0/5        20/20        5/5  
5/5        10/10        10/10

The Higher  
Infinite

**Introduction**

No problem scores in this section

**The Higher Infinite** (1/1) 100%

Practice Scores: 1/1

**Ordinals** (14/16) 88%

Practice Scores: 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1  
1/1 1/1 2/2 1/1 1/1 0/1 0/1

**Ordinal Arithmetic** (7/7) 100%

Practice Scores: 1/1 1/1 1/1 1/1 1/1 1/1 1/1

**Ordinals as Blueprints**

No problem scores in this section

**Paradox**

No problem scores in this section

**Summary and Further Resources**

No problem scores in this section

**Homework** (100/100) 100%

Homework *due Jul 1, 2020 21:30 IST*

Problem Scores: 25/25 25/25 25/25 10/10 5/5 10/10

Omega-  
Sequence  
Paradoxes

**Introduction**

No problem scores in this section

**Omega-Sequence Paradoxes** (3/3) 100%

Practice Scores: 1/1 1/1 1/1

**Rational Decision-Making** (2/2) 100%

Practice Scores: 1/1 1/1

**Reverse Omega-Sequence Paradoxes** (1/1) 100%

Practice Scores: 1/1

**Hat-Problems** (7/7) 100%

Practice Scores: 1/1 3/3 1/1 1/1 1/1

**Summary and Further Resources**

No problem scores in this section

**[Bonus: Meet the Experts]**

No problem scores in this section

**Homework** (75/100) 75%Homework *due Jul 8, 2020 21:30 IST*

Problem Scores: 40/40 20/20 15/30 0/10

## Time Travel

**Introduction**

No problem scores in this section

**Time Travel** (2/2) 100%

Practice Scores: 2/2

**Time Travel and Physical Law** (0/1) 0%

Practice Scores: 0/1

**Free Will** (3/3) 100%

Practice Scores: 2/2 1/1

**Summary and Further Resources**

No problem scores in this section

**[Bonus: Meet the Expert]**

No problem scores in this section

**Homework** (50/100) 50%Homework *due Jul 15, 2020 21:30 IST*

Problem Scores: 30/30 10/20 0/30 10/20

Newcomb's Problem

Introduction

No problem scores in this section

The Problem (0/1) 0%

Practice Scores: 0/1

Maximizing Expected Value (8/8) 100%

Practice Scores: 3/3 2/2 1/1 1/1 1/1

In Defense of Two-Boxing

No problem scores in this section

Causal Decision Theory (8/8) 100%

Practice Scores: 2/2 2/2 1/1 1/1 1/1 1/1

Summary and Further Resources

No problem scores in this section

[Appendix: The Prisoner's Dilemma] (4/4) 100%

Practice Scores: 1/1 1/1 2/2

[Appendix: The Tickle Defense] (0/1) 0%

Practice Scores: 0/1

Homework (100/100) 100%

Homework *due Jul 22, 2020 21:30 IST*

Problem Scores: 30/30 20/20 20/20 30/30

Probability

**Introduction**

No problem scores in this section

**Probability, Subjective, and Objective** (1/1) 100%

Practice Scores: 1/1

**Subjective Probability** (6/7) 86%

Practice Scores: 1/1 1/1 2/2 1/1 1/1 0/1

**Objective Probability** (9/9) 100%

Practice Scores: 1/1 1/1 1/1 2/2 1/1 1/1 1/1 1/1

**The Principle of Countable Additivity** (1/1) 100%

Practice Scores: 1/1

**[Optional: The Two-Envelope Paradox]** (4/4) 100%

Practice Scores: 1/1 1/1 1/1 1/1

**Further Resources**

No problem scores in this section

**[Bonus: Meet the Expert]**

No problem scores in this section

**Homework** (70/70) 100%

Homework *due Jul 29, 2020 21:30 IST*

Problem Scores: 20/20 20/20 20/20 10/10

Non-Measurable  
Sets

**Introduction**

No problem scores in this section

**Measures** (23/23) 100%

Practice Scores: 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1  
1/1 1/1 1/1 1/1 1/1 10/10

**Non-Measurable Sets** (5/6) 83%

Practice Scores: 1/1 1/1 0/1 2/2 1/1

**Summary and Further Resources**

No problem scores in this section

**Homework** (98.5/100) 98%

Homework *due Aug 5, 2020 21:30 IST*

Problem Scores: 28.5/30 30/30 10/10 10/10 20/20

The Banach-  
Tarski Theorem

**Introduction**

No problem scores in this section

**The Banach-Tarski Theorem: Three Warm-Up Cases** (0/5) 0%

Practice Scores: 0/1 0/1 0/1 0/1 0/1

**The Theorem** (0/4) 0%

Practice Scores: 0/1 0/1 0/1 0/1

**Summary and Further Resources**

No problem scores in this section

Computability

**Introduction**

No problem scores in this section

**Turing Machines** (8/9) 89%

Practice Scores: 1/1 1/1 1/1 1/1 1/1 1/1 1/1 0/1  
1/1

**Non-computable functions** (9/9) 100%

Practice Scores: 1/1 1/1 1/1 1/1 1/1 1/1 2/2 1/1

**Efficiency**

No problem scores in this section

**[Optional: The Big Number Duel]** (0/2) 0%

Practice Scores: 0/1 0/1

**Summary and Further Resources**

No problem scores in this section

**[Bonus: Meet the Expert]**

No problem scores in this section

**Homework** (80/80) 100%

Homework *due Aug 19, 2020 21:30 IST*

Problem Scores: 20/20 10/10 20/20 20/20 10/10

Godel's Theorem

**Introduction** (1/1) 100%

Practice Scores: 1/1

**Godel's Theorem** (8/8) 100%

Practice Scores: 5/5 3/3

**A Proof of Godel's Theorem**

No problem scores in this section

**The Philosophical Significance of Godel's Theorem**

No problem scores in this section

**Summary and Further Resources**

No problem scores in this section

**[Appendix: Proof of the Lemma]** (0/4) 0%

Practice Scores: 0/1 0/1 0/1 0/1

**Homework** (67/75) 89%

Homework *due Aug 26, 2020 21:30 IST*

Problem Scores: 20/20 15/15 12/20 20/20

Glossary

**Symbols and Concepts**

No problem scores in this section

Exit Survey

**Exit Survey**

No problem scores in this section