

# Introduction to Probability and Inductive Logic

## Required Text

Weisberg, Jonathan. *Odds & Ends: Introducing Probability & Decision with a Visual Emphasis*.  
([https://jonathanweisberg.org/vip/\\_main.pdf](https://jonathanweisberg.org/vip/_main.pdf))

## Course Schedule

Date	Topic	Reading
Week 1	Introduction	Weisberg - <i>Odds &amp; Ends</i> Ch. 1
Week 2	Logic	Weisberg - <i>Odds &amp; Ends</i> Ch. 2
Week 3	Truth Tables	Weisberg - <i>Odds &amp; Ends</i> Ch. 3
Week 4	The Gambler's Fallacy	Weisberg - <i>Odds &amp; Ends</i> Ch. 4
Week 5	Calculating Probabilities I	Weisberg - <i>Odds &amp; Ends</i> Ch. 5
Week 6	Conditional Probability	Weisberg - <i>Odds &amp; Ends</i> Ch. 6
Week 7	Calculating Probabilities II	Weisberg - <i>Odds &amp; Ends</i> Ch. 7
Week 8	Bayes' Theorem	Weisberg - <i>Odds &amp; Ends</i> Ch. 8
Week 9	Multiple Conditions	Weisberg - <i>Odds &amp; Ends</i> Ch. 9
Week 10	Probability and Induction	Weisberg - <i>Odds &amp; Ends</i> Ch. 10
Week 11	Expected Value	Weisberg - <i>Odds &amp; Ends</i> Ch. 11
Week 12	Utility	Weisberg - <i>Odds &amp; Ends</i> Ch. 12
Week 13	Challenges to Expected Utility	Weisberg - <i>Odds &amp; Ends</i> Ch. 13
Week 14	Infinity	Weisberg - <i>Odds &amp; Ends</i> Ch. 14
Week 15	Frequency, Degrees of Belief, and Dutch Books	Weisberg - <i>Odds &amp; Ends</i> Ch. 15-17