The notes are based, in part, from the course textbook [1]. The worked-out examples are credited, taken from, or modified from, the following sources. Going back to the original source may also help if you have difficulties with a problem.

[1] *A First Course in Probability*, 10th ed., Sheldon Ross, Pearson, 2019.
[2] *Introduction to probability*, 2nd ed., D. P. Bertsekas and J. N. Tsitsiklis, Athena Scientific, 2008.

Ex 2.1: [1, p. 23]
Ex 2.2: [1, p. 23]
Ex 2.4: [1, p. 23]
Ex 2.5: [1, Ex 6.2c]
Ex 2.6: [1, p. 23]
Ex 2.7: [1, p. 23]
Ex 2.9: [2, Ex 1.5]
Ex 2.10: [1, p. 25]
Ex 2.11: [1, p. 26]
Ex 3.3: [1, Ex 2.4a]
Ex 4.1: [1, Ex 2.5a]
Ex 4.2: [1, Ex 2.5b]
Ex 4.3: [1, Ex 2.5m]
Ex 5.1: [1, p. 58]
Ex 5.2: [1, p. 58]
Ex 5.3: [1, Ex 3.2b]
Ex 5.4: [2, Ex 1.7]
Ex 5.5: [2, Ex. 1.11]
Ex 6.1: [1, Ex 3.3a]
Ex 6.2: [2, Ex 1.14]
Ex 6.3: [1, Ex 3.3l]
Ex 6.4: [2, Ex 1.18]
Ex 7.1: [1, Ex 3.4c]
Ex 7.3: [1, Ex 3.4e]
Ex 7.4: [1, p. 80]
Ex 7.5: [1, Ex 3.4g]
Ex 7.6: [1, Ex 3.4h]
Ex 8.2: [1, Ex 4.1a]
Ex 8.3: [1, Ex 4.1b]
Ex 8.4: [1, Ex 4.1d]
Ex 9.1: [1, Ex 4.2a]
Ex 9.3: [1, p. 126]
Ex 9.4: [1, p. 126]
Ex 9.5: [1, Ex 4.3b]
Ex 9.6: [1, Ex 4.3d]
Ex 10.1: [1, Ex 4.4a]
Ex 10.2: [1, p. 129]
Ex 10.4: [1, p. 133]
Ex 10.5: [1, Ex 4.5a]
Ex 10.6: [2, Ex 2.4]
Ex 11.1: [1, Ex 4.5b]
Ex 11.2: [1, Ex 4.5c]
Ex 12.1: [1, Ex 4.6b]
Ex 12.2: [2, p. 79]
Ex 13.1: [1, Ex 4.7c]

Ex 13.2: [1, Ex 4.8a]
Ex 14.1: [1, Ex 4.9a]
Ex 14.2: [1, Ex 4.9b]
Ex 14.3: [1, Ex 4.9d, Ex 4.9e]
Ex 15.1: [1, Ex 5.1c]
Ex 15.2: [1, Ex 5.1d]
Ex 16.1: [1, Ex 5.2a]
Ex 16.2: [1, Ex 5.2b]
Ex 16.3: [1, p. 194]
Ex 16.4: [1, Ex 5.2c]
Ex 16.5: [1, Ex 5.2e]
Ex 17.1: [1, Ex 5.3c]
Ex 17.2: [1, Ex 5.3a]
Ex 18.1: [1, p. 202]
Ex 18.2: [1, Ex 5.4a]
Ex 18.3: [1, Ex 5.4c]
Ex 18.4: [1, Ex 5.4f]
Ex 19.1: [1, Ex 5.5a]
Ex 19.2: [1, Ex 5.5b]
Ex 19.3: [1, p. 213]
Ex 19.4: [1, Ex 5.5c]
Ex 19.5: [1, Ex 5.5d]
Ex 20.1: [1, Ex 5.7a] with $n = 1/2$
Ex 20.2: [1, Ex 5.7b]
Ex 22.1: [1, p. 237]
Ex 22.2: [1, Ex 6.1a]
Ex 23.1: [1, Ex 6.1d]
Ex 23.2: [1, Ex 6.1e]
Ex 23.3: [1, Ex 6.1f]
Ex 24.1: Extension to [1, Ex 6.1e]
Ex 25.1: [1, Ex 6.2f]
Ex 25.2: [1, Ex 6.2f]
Ex 25.3: [1, Ex 6.2c]
Ex 26.1: [1, Ex 6.3a]
Ex 26.2: [1, Ex 6.3d]
Ex 26.3: [1, Ex 6.3e]
Ex 27.1: [1, Ex 6.4b]
Ex 27.2: [1, Ex 6.4d]
Ex 27.3: [1, Ex 6.5a]
Ex 27.4: [1, Ex 6.5b]
Ex 29.1: [1, Ex 6.7a]
Ex 29.2: [1, Ex 6.7b]
Ex 30.1: [1, Ex 7.2a]
Ex 30.2: [1, p. 305]
Ex 30.3: [1, Ex 7.2c]
Ex 30.4: [1, Ex 7.2j]
Ex 31.1: [1, p. 329]
Ex 31.2: [1, Ex 7.4a]
Ex 31.3: [1, Ex 7.4b]
Ex 32.2: [1, Ex 7.4e]
Ex 33.1: [1, Ex 7.5b]
Ex 33.2: [1, Ex 7.5c]
Ex 33.3: [1, Ex 7.5d]
Ex 34.1: [1, Ex 7.5f]

Ex 34.2: [1, Ex 7.5n]
Ex 34.3: [1, Ex 7.5o]
Ex 35.1: [1, Ex 7.5q]
Ex 36.1: [1, Ex 7.7b]
Ex 36.2: [1, Ex 7.7d]
Ex 36.3: [1, Ex 7.7g]
Ex 36.4: [1, Ex 7.7h]
Ex 36.5: [1, Ex 7.7l]
Ex 38.1: [1, Ex 8.2a]
Ex 38.2: [1, Ex 8.2b]
Ex 38.3: [1, Ex 8.2b]
Ex 39.1: [1, Ex 8.3a]
Ex 39.2: [1, Ex 8.3c]