

MATH 323: PROBABILITY

SUITABLE TEXTBOOK PROBLEMS

Numbering refers to Edition 7 of the textbook.

1. Chapter 1:

- (i) **Events and Sample Spaces:** 2.1 – 2.8 (pp 25 – 26)
- (ii) **Basic Probability:** 2.9 – 2.19 (pp 32 – 34)
- (iii) **Counting and combinatorial methods:** 2.25 – 2.66 (pp 39 – 40, 48 – 51)
- (iv) **Conditional Probability:** 2.71 – 2.77, 2.82 – 2.83 (pp 54 – 57)
- (v) **Probability manipulations:** 2.84 – 2.99, 2.101 – 2.103, 2.105 – 2.109 (pp 59 – 62)
- (vi) **Multiple events:** 2.110 – 2.121 (pp 68 – 69)
- (vii) **Theorem of Total Probability:** 2.128 – 2.130, 2.132 – 2.137 (pp 74 – 75).