The final exam will be comprehensive that covers the material of the entire semester. This page is a list of only those concepts that are not covered in the previous two concept sheets.

1. Multiplication principle
2. Permutation and combination
3. Random experiment
4. Sample space
5. Equally likely outcomes
6. Partition of a sample space
7. Law of total probability
8. Independence
9. Bayes formula
10. Random variable
11. Discrete distribution
12. Probability mass function
13. Distribution function of a discrete random variable
14. Uniform (discrete), binomial, and geometric distributions and their means
15. Continuous random variable
16. Probability density function
17. Normal, uniform (continuous), and exponential distribution