Topics of study include probability models, random variables and expected values, multivariate distributions, important discrete and continuous distributions, and elements of statistical inference.

We will cover the following sections of chapters I - IV in the text in each of the 13 class meetings:

Class 1. Sec. 1.2, 1.3 & 1.4
Class 2. Sec. 1.5, 1.6 & 1.7
Class 3. Sec. 1.8 & 1.9
Class 4. Sec. 1.10 & 2.1
Class 5. Sec. 2.2 & 2.3
Class 6. Sec. 2.4, 2.5 & 2.6
Class 7. Sec. 2.7 & 2.8
Class 8. Sec. 3.1 & 3.2
Class 9. Sec. 3.3 & 3.4
Class 10. Sec. 3.5 & 3.6
Class 11. Sec. 4.1 & 4.2
Class 12. Sec. 4.4, 4.5 & 4.6
Class 13. Sec. 4.7, 4.8 & 4.9

There will be four or more problems assigned in each class to be solved before the next class. There will be two hour exams (during class 6 and class 11; each 25% of grade). There will be a final in-class exam (50% of grade).