

ECE 353 - Winter 2024

Introduction to Probability and Random Signals

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1. Class Overview

1.1 Sylabus

1.1.1 Due Dates

- Assignments:

Homework 1 - xx/xx/xx	Homework 2 - xx/xx/xx	Homework 3 - xx/xx/xx
Homework 4 - xx/xx/xx	Homework 5 - xx/xx/xx	Homework 6 - xx/xx/xx
Homework 7 - xx/xx/xx	Homework 8 - xx/xx/xx	Homework 9 - xx/xx/xx

- Midterms:

Midterm 1 - 02/13/24

- Final: Room xxxx in building BLANK on xx/xx/xx at xx:xx

1.1.2 Office Hours

Alireza Aghasi: alireza.aghasi@oregonstate.edu, KEC 3121, Tuesday & Thursday | 1:30pm - 2:30pm

Jun Chen: chenju3@oregonstate.edu, TBA

Nam Nguyen: nnguyanm4@oregonstate.edu, TBA

1.1.3 Grade Breakdown

Homework: 30%

Midterm: 30%

Final: 35%

Attendance: 5%

Grade	Bounds
A+	Percent %
A	Percent %
A-	Percent %
B+	Percent %
B	Percent %
B-	Percent %

Grade	Bounds
C+	Percent %
C	Percent %
C-	Percent %
D+	Percent %
D	Percent %
D-	Percent %

1.1.4 Weekly Topics

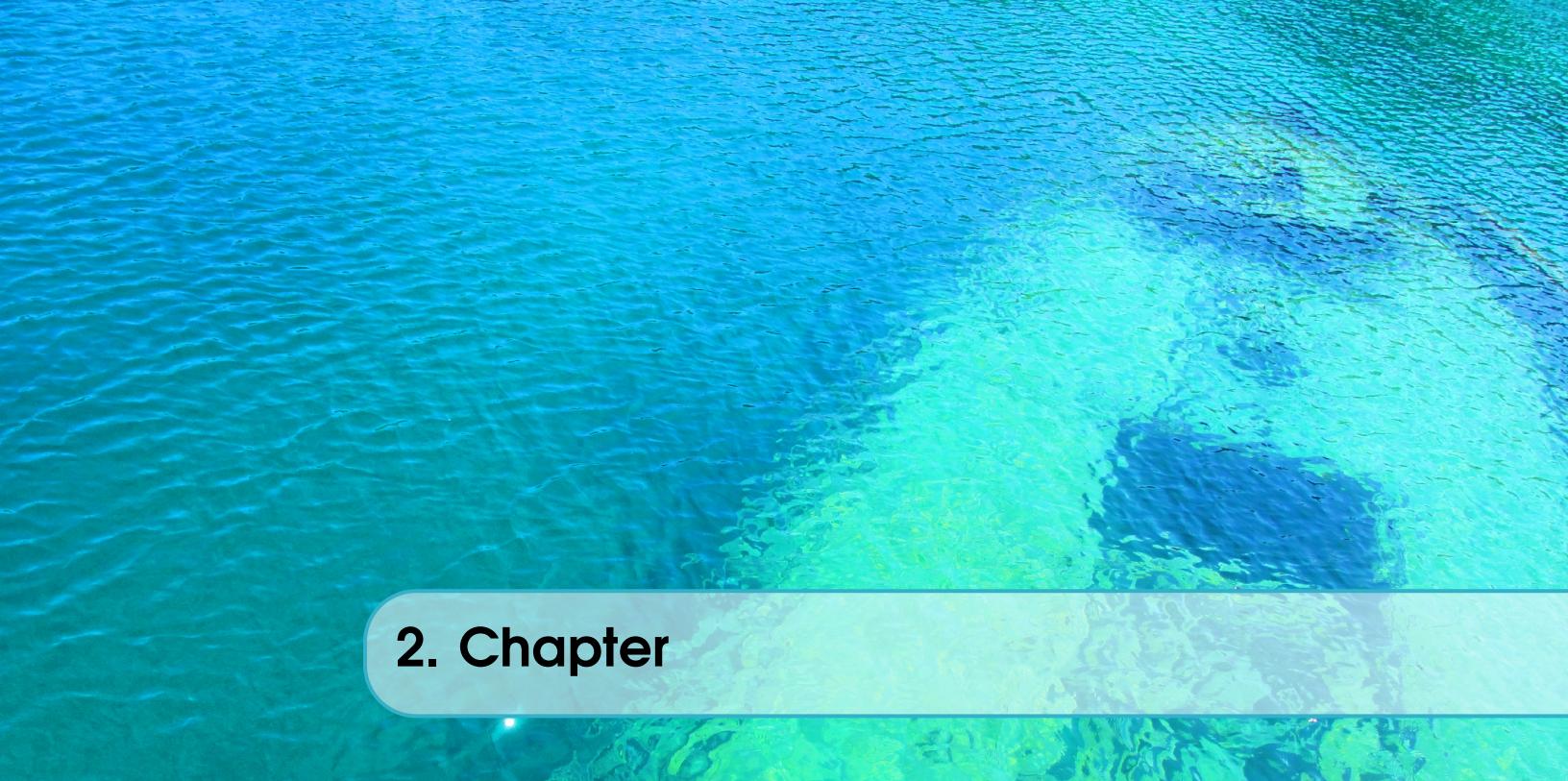
Week	Topic	Assignments
1	Probability Basics and Set Theory	
2	Probability Axioms, Counting	
3	Discrete Random Variables, PMF, CDF	
4	Derived Random Variables, Continuous Random Variables	
5	More on Continuous Random Variables: Gaussian	
6	Pairs of Random Variables	
7	Random Vectors	Midterm
8	Sums of Random Variables	
9	Estimation Basics	
10	Concentration and Confidence Interval	

1.1.5 Additional Policies

Lecture attendance is mandatory and will count towards your grade. If you miss more than 5 lectures, then you will lose 10 additional percent of your grade.

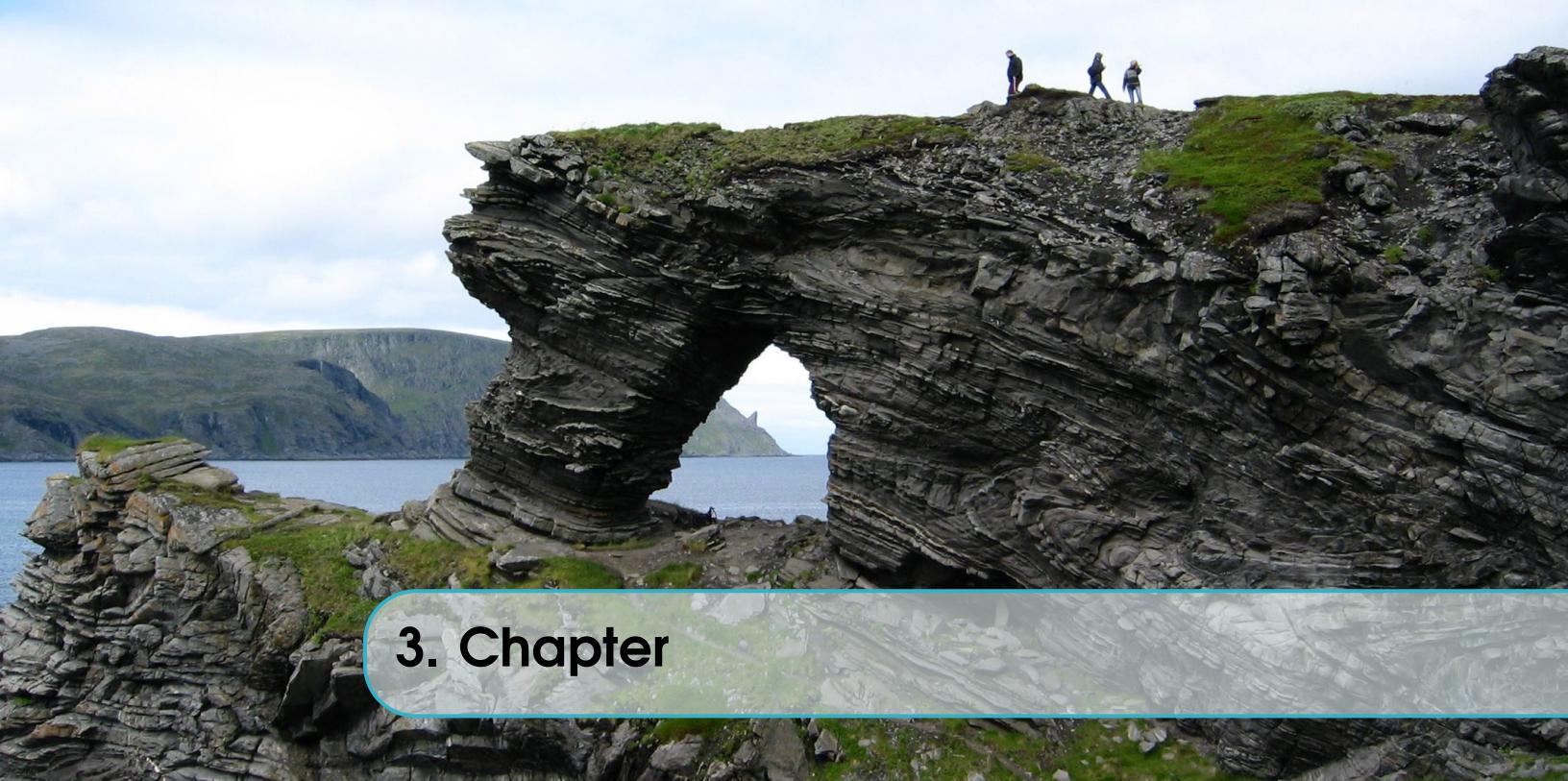
1.2 Material Introduction

This class is about blah blah blah...



2. Chapter

This is plain text as a filler!



3. Chapter

This is plain text as a filler!



4. Formatting

4.1 Template Options

4.1.1 Plain Text

Here is an example of what plain text would look like. Most of the notes should look like this to make it faster to type. Refactor the code to make the notes pop after writing down the information in class.

4.1.2 Blocks

Code 4.1.1 — This is an example code block.

Write your code verbatim in here!

```
jmp    0hff    0b1011100  
ldi    rax     0h43  
sta    0h12
```

Definition 4.1.1 — This is an example definition block. Write any definition in here!

Example 4.1 — Here is an example problem.

Question: How many bits are in a byte?

Solution: There are 8 bits in a byte.

Theorem 4.1.2 — This is a theorem.

This is a theorem

4.2 Images

Here is an example of importing images. Write the drawing down on your tablet then add it to the notes here.

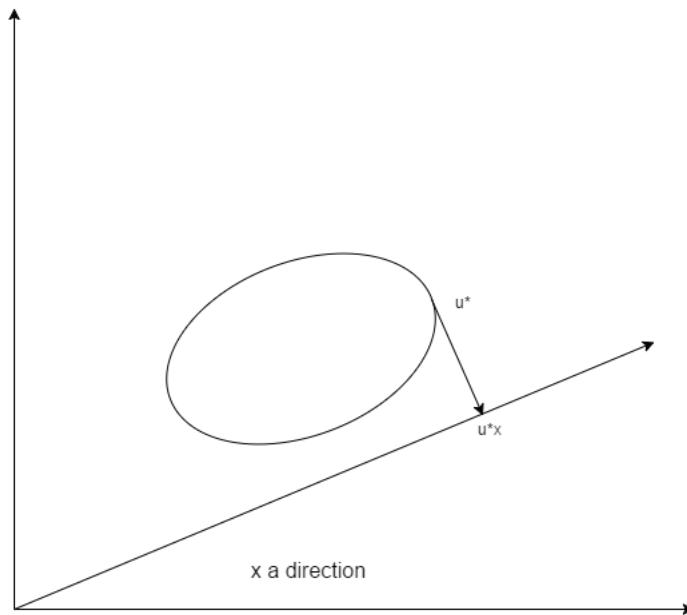


Figure 4.2.1 — Figure caption.

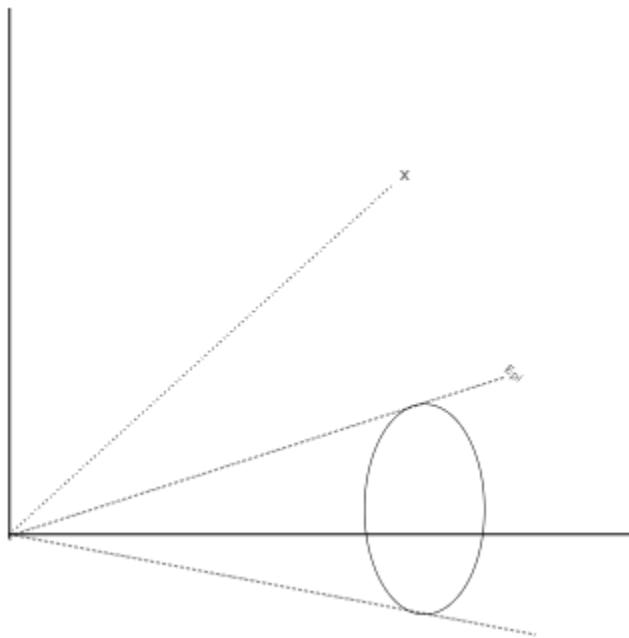


Figure 4.2.2 — Figure caption.