

# Introduction to Bioinformatics and Computational Biology

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## Chapter 1

# Course information





## Chapter 2

# Introduction

### 2.1 Welcome

### 2.2 Brief history of bioinformatics

#### 2.2.1 Protein structure wave

#### 2.2.2 Gene expression wave

#### 2.2.3 Genome sequencing wave

#### 2.2.4 High throughput sequencing

#### 2.2.5 Big data challenge from sequencing

### 2.3 Should I take this course?

#### 2.3.1 Bioinformatics vs computational biology

#### 2.3.2 Levels of bioinformatics

#### 2.3.3 Is this class for me?

#### 2.3.4 All biology is computational biology

### 2.4 Course information

#### 2.4.1 Course organization and material

#### 2.4.2 Course instructor and TAs

#### 2.4.3 Homework and grading

#### 2.4.4 Lab and Odyssey sign up