

Introduction to Bioinformatics and Computational Biology

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Contents

1	Course information	5
2	Introduction	7
2.1	Welcome	8
2.2	Brief history of bioinformatics	8
2.3	Should I take this course?	8
2.4	Course information	8

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