## 1. COURSE
CS3T9. Advanced Topics in Bioinformatics (Elective)

## 2. GENERAL INFORMATION

| | | |
|---|---|---|
| **2.1 Course** | : | CS3T9. Advanced Topics in Bioinformatics |
| **2.2 Semester** | : | $10^{th}$ Semester. |
| **2.3 Credits** | : | 4 |
| **2.4 Horas** | : | 2 HT; 4 HP; |
| **2.5 Duration of the period** | : | 16 weeks |
| **2.6 Type of course** | : | Elective |
| **2.7 Learning modality** | : | Face to face |
| **2.8 Prerrequisites** | : | CS2T1. Computational Biology. ($7^{th}$ Sem) |

## 3. PROFESSORS

Meetings after coordination with the professor

## 4. INTRODUCTION TO THE COURSE
Write justification for this course here ...

## 5. GOALS

- Write your first goal here.

- Write your second goal here.

- Just in case you need more goals write them here

## 6. COMPETENCES

Nooutcomes

## 7. TOPICS

| Unit 1: title for the unit goes here (5 hours) | |
|---|---|
| **Competences Expected:** | |
| **Topics** | **Learning Outcomes** |
| <ul><li>Topic1</li><li>Topic2</li><li>Topic3</li></ul> | <ul><li>Learning outcome1 [Levelforthislearningoutcome].</li><li>Apply computing in complex problems [Usar].</li><li>Create a search engine [Evaluar].</li><li>Study data structures [Familiarizarse].</li></ul> |
| **Readings :** [**Bibitem1**], [**Bibitem2**] | |

| Unit 2: another unit goes here (1 hours) | |
|---|---|
| **Competences Expected:** | |
| **Topics** | **Learning Outcomes** |
| • Topic1 | • Learning outcome xyz [Levelforthislearningout-come]. |
| **Readings :** [**Bibitem3**], [**Bibitem1**] | |

## 8. WORKPLAN

### 8.1 Methodology

Individual and team participation is encouraged to present their ideas, motivating them with additional points in the different stages of the course evaluation.

### 8.2 Theory Sessions

The theory sessions are held in master classes with activities including active learning and roleplay to allow students to internalize the concepts.

### 8.3 Practical Sessions

The practical sessions are held in class where a series of exercises and/or practical concepts are developed through problem solving, problem solving, specific exercises and/or in application contexts.

## 9. EVALUATION SYSTEM

********* EVALUATION MISSING ********

## 10. BASIC BIBLIOGRAPHY