Outline of lectures of ‘**Principles of Physics**’ for the Bachelor of Bioinformatics (2021/2022)

**Prerequisites:** The student is requested to have a good knowledge of numerical structures; inequalities and related calculation rules; elementary algebra, equations and algebraic inequalities of the first and second degree. Elements of Euclidean geometry of the plane and of the space. Elements of analytical geometry of the plane. Elements of trigonometry. Real functions of a real variable; elementary functions: powers, polynomials, roots, exponentials, logarithms; basic trigonometric functions.

**Course structure:**

* ➔  Lectures are given on line at the link **Google Meet: yxf-prad-mef**
* ➔  **Timetable**: Monday 12h-14h; Friday 9h-12h
* ➔  **First Lecture: October 4th 12h**
* ➔  Each lecture comprises theory and exercise
* ➔  The lectures are designed to show the **principles of physics** which govern interesting subjects related to Biology, Medicine and other fields related to Bioinformatics
* ➔ **Suggested book**: Physics by Douglas C. Giancoli, Global Edition
* ➔  During the lectures, the student will be presented with concepts (theory) and will learn to progressively develop the necessary skills to undertake the exercises with a high degree of autonomy by understanding and solving

**Teacher:**

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