

INTERACTIONS MATÉRIAU-VIVANT

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Lecturers:Emmanuelle LAURENCEAU, Vincent FRIDRICI| Lecturers : 3 | TC : 2 | PW : 6 | Autonomy : 6 | Study : 4 | Project : 0.0 | Language : FR

Objectives

Through this course, the fundamental aspects linked to the biological, physicochemical and mechanical phenomena involved during the contact between a surface and a biological medium will be treated. The link with the bioengineering of interfaces and its application will be approached in various forms: analysis of articles, realization of devices, design office

Keywords :

Programme	Course (3h): - Physico-chemistry of interfaces - Biomechanics of interfaces BE (4h): Tribo-mechanics of living tissue
	Practical work (6h): Realization of a glucose biosensor
	TD (2h): Restitution of the analysis of scientific articles
Learning outcomes	 Understanding the biomechanical challenges of aging and prosthetic medicine Know some techniques for characterizing living tissue Establishment of an experimental protocol Write a complete technical report, correctly referenced
Independent study	Objectifs :
	Méhodes : Analysis of scientific articles
Core texts	