

Master Nanosciences et nanotechnologies Nanobiosciences

Responsable	Descriptions	Informations
Stephane GRIMALDI stephane.grimaldi@univ-amu.fr	Code : S58PH4P1A Nature : Domaines : Sciences et Technologies	Composante : Faculté des Sciences Nombre de crédits :

LANGUE(S) D'ENSEIGNEMENT

Anglais

CONTENU

This course aims at showing how the concepts and techniques of nanosciences can be used to describe biological system functions at the nanometer scale and to derive potential applications. Particular emphasis will concern energy capture and storage mechanisms and their interconversions: light, chemical and mechanical energy, information transfer.

Topics :

I- Analysis of main energy conversion and storage systems - Bioenergetics

II- Conversion of chemical and mechanical energy

III- Conversion of energy into information transfer

PRÉ-REQUIS OBLIGATOIRES

Thermodynamics

Introduction to nanosciences and nanotechnologies

VOLUME HORAIRE

- Volume total: 27 heures
- Cours magistraux: 18 heures
- Travaux dirigés: 9 heures

CODES APOGÉE

- SNNDU07J [ELP]

M3C

Aucune donnée M3C trouvée

POUR PLUS D'INFORMATIONS

[Aller sur le site de l'offre de formation...](#)



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