lphy1114
2017

General Physics and elements of Mathematics 1

9 credits	45.0 h + 45.0 h	Q1

Teacher(s)	Delbar Thierry ;Maltoni Fabio ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Introduction to Mathematics. Kinematics. Mechanics (point, solids and fluids). Deformation of solids. Thermal phenomena.
Aims	1 Knowledge of the concepts and fundamental laws of General Physics and of its applications, among others in Medicine. Acquisition of a logical and critical mind. Learning the know how of probem modeling. - - - - *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Evaluation methods	Written exam (exercises and theory: total : 3h30)
Teaching methods	Oral lectures on a graphical tablet and projected on screen. All the screens are saved on iCampus. Simulations on computer and experiments during the lectures. Weekly sessions of exercises. A few laboratories illustrating the main concepts.
Content	Introduction to Mathematics. Kinematics. Mechanics (point, solids and fluids). Deformation of solids. Thermal phenomena.
Bibliography	Collection de syllabus reprenant l'ensemble du cours. Nombreux livres de Physique Générale disponible à la Bibliothèque.
Faculty or entity in charge	VETE

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Veterinary Medicine	VETE1BA	9		🔍