

La structure de l'univers

Lecturers

Alain JORISSEN (Coordinator) and Rodrigo ALVAREZ

Course mnemonic

PHYS-F105

ECTS credits

5 credits

Language(s) of instruction

French

Course period

First term

Course content

Description of the various bodies populating the universe, and of the way it is structured: planet-satellites, planetary systems, galaxies, galaxy clusters, large-scale structure. Solar system: planetary theories and physical description. Exoplanets and possible extraterrestrial life. Stars: structure, evolution, formation, death. The interstellar medium. Galaxies: spiral structure, active galaxies. Basics of cosmology

Objectives (and/or specific learning outcomes)

To provide a general knowledge about astronomy to students for whom it will be the only contact with that discipline. To illustrate links between astronomy and other disciplines (biology, geology, chemistry). The level is basically descriptive.

Teaching method and learning activities

Slides

References, bibliography and recommended reading

Seguin et Villeneuve, *Astronomie et Astrophysique*, De Boeck Université 2

Other information

Contact(s)

Alain Jorissen, N4.108 (batiment NO, campus Plaine)

Evaluation method(s)

written examination

Evaluation method(s) (additional information)

Written exam

Determination of the mark (including the weighting of partial marks)

100% written exam

Main language(s) of evaluation

French

Programmes

Programmes proposing this course at the faculty of Sciences

BA-BIOL | **Bachelor in Biology** | option Bruxelles/unit 2 and option Bruxelles/unit 3, BA-CHIM | **Bachelor in Chemistry** | unit 2, BA-GEOG | **Bachelor in Geography : General** | unit 2 and unit 3, BA-GEOL | **Bachelor in Geology** | unit 2, BA-INFO | **Bachelor in Computer science** | unit 1 and BA-PHYS | **Bachelor in Physics** | unit 3