Astrophysics

Lecturer
Alain JORISSEN (Coordinator)

Course mnemonic
PHYS-F438

ECTS credits
5 credits

Language(s) of instruction
English

Course period
First term

Course content

Methods for deriving fundamental stellar parameters (mass-radius - luminosity). Equations of state. Equations of stellar structure.

Application to white dwarf stars

Objectives (and/or specific learning outcomes)

To master the equations of stellar structure, pre-requesite for the course on stellar evolution

Pre-requisits and co-requisits

Course having this one as co-requisit

PHYS-F414 | Structure et évolution stellaire | 5 crédits

Teaching method and learning activities

blackboard

References, bibliography and recommended reading

Astrophysics for physicists, Arnab Rai Choudhuri, Cambridge University Press, 2010

Other information

Contact(s)

Alain Jorissen. Plaine N4.108

Evaluation method(s)

Oral examination

Evaluation method(s) (additional information)

Oral exam

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

100% oral exam

Programmes

Programmes proposing this course at the faculty of Sciences

MA-PHYS | Master in Physics | finalité Research/unit 1 and finalité Teaching/unit 1