

Chimie physique macroscopique: de l'auto-assemblage à l'auto-organisation

Lecturers

Anne DE WIT (Coordinator) and Laurence RONGY

Course mnemonic

CHIM-F408

ECTS credits

5 credits

Language(s) of instruction

French

Course period

First term

Course content

Chapter I: Macroscopic description of chemical dynamics, Linear thermodynamics of non equilibrium systems Chapter II: Microscopic aspect of transport coefficients Chapter III: Phase transitions, Landau theory of second order phase transitions Chapter IV: Out of equilibrium nonlinear dynamics

Objectives (and/or specific learning outcomes)

Understand the wealth of dynamics that can be obtained in physico-chemical systems maintained out of equilibrium

Teaching method and learning activities

Lessons in front of a class room

Other information

Contact(s)

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Evaluation method(s)

Oral examination

Evaluation method(s) (additional information)

Oral examination

Programmes

Programmes proposing this course at the faculty of Sciences

MA-CHIM | **Master in Chemistry** | finalité Research/unit 1, finalité Teaching/unit 1, finalité Teaching/unit 2 and finalité Professional/unit 1