

Photochimie des composés organiques, inorganiques et organométalliques

Lecturer

Cécile MOUCHERON (Coordinator)

Course mnemonic

CHIM-F423

ECTS credits

5 credits

Language(s) of instruction

French

Course period

Second term

Course content

Important principles in photochemistry (organic molecules and metal complexes) ; primary processes (electron and energy transfert) ; important reactions in organic photochemistry and industrial applications ; supramolecular photochemistry and applications to photosynthesis of biological systems and (in)organic artificial systems that mimic solar energy conversion.

Objectives (and/or specific learning outcomes)

Basis in photochemistry and photophysics in solution extending from organic molecules of simple systems to complex biological systems.

Teaching method and learning activities

References, bibliography and recommended reading

« Photochemistry » by J.G. Calvert and J.N. Pitts. John Wiley & Sons.« Supramolecular Photochemistry » by V. Balzani and F. Scandola. Ellis Horwood.« Organic Photochemistry » by N. Turro« Essentials of Molecular Photochemistry » by A. Gilbert and J.G. Baggott.

Other information

Contact(s)

P2.3.105, tel : 30 17

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 and finalité Professional/unit 1