

Chimie organique 1

Lecturer

Cécile MOUCHERON (Coordinator)

Course mnemonic

CHIM-F102

ECTS credits

5 credits

Language(s) of instruction

French

Course period

Second term

Course content

The course starts from alkanes and presents molecules complexity of which increases. Physical properties are discussed, as well as thermodynamics and kinetics concepts. The mechanisms of the different reactions are also discussed.

Objectives (and/or specific learning outcomes)

Make the student familiar with organic chemistry and his use in every day life. Define basic concepts of the different transformations of organic compounds. Discuss properties of the most common organic functions.

Pre-requisites and co-requisites

Courses having this one as pre-requisit

BIOL-F204 | Microbiologie moléculaire et cellulaire | 5 crédits,
BIOL-F208 | Biochimie et physiologie de la cellule | 5 crédits,
CHIM-F204 | Chimie organique 2 | 10 crédits and CHIM-F208 | Biochimie 1 | 5 crédits

Courses having this one as co-requisit

CHIM-F208 | Biochimie 1 | 5 crédits and CHIM-F318 | Analyse structurale spectrométrie | 5 crédits

Teaching method and learning activities

Ex-catherdra courses and exercises

References, bibliography and recommended reading

"Invitation to organic chemistry", A.W.Johnson, Ed.Jones and Bartlett, "Organic chemistry", Clayden, Greeves, Warren and Wothers, Oxford

Other information

Contact(s)

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Evaluation method(s)

Other

Evaluation method(s) (additional information)

Oral examination with a small presentation

Programmes

Programmes proposing this course at the faculty of Sciences

BA-BIOL | Bachelor in Biology | option Bruxelles/unit 1, BA-CHIM | Bachelor in Chemistry | unit 1, BA-GEOG | Bachelor in Geography : General | unit 2 and unit 3, BA-IRBI | Bachelor in Bioengineering | unit 1, BA-MATH | Bachelor in Mathematics | unit 1 and MA-GEOL | Master in Geology | finalité Research - 1st year/unit 1 and finalité Research - 1st year/unit 2

Programmes proposing this course at the Brussels School of Engineering

BA-IRBI | Bachelor in Bioengineering | unit 1