

# Spectroscopies moléculaires et spectrométrie de masse

**Lecturers**

Pierre VAN ANTWERPEN (Coordinator), Cédric Delporte and Michel LUHMER

**Course mnemonic**

CHIM-J202

**ECTS credits**

5 credits

**Language(s) of instruction**

French

**Course period**

Second term

## Objectives (and/or specific learning outcomes)

The purpose of the course is to become familiar with spectroscopic and spectrometric methods. Theoretical but also practical aspects are emphasized to understand the potentiality of each analytical approach.

The course supports the seminar where students learn how interpreting spectra from proton & carbon NMR, IR and MS. Thanks to different provided spectra, the student should be able to identify or guess the structure of a simple organic molecule based on an analytical and logical thinking.

## Pre-requisites and co-requisites

### Pre-requisites courses

CHIM-J102 | Chimie organique | 5 crédits

## Teaching method and learning activities

Lectures supported by slideshow and flash animations.

## References, bibliography and recommended reading

Kiemle D.J., Silverstein R.M., Webster F.X.; Identification spectrométrique de composés organiques, 2ème éd. 2007 (ISBN 2804155072).

## Other information

### Contact(s)

Prof. Ass. Pierre Van Antwerpen pvanter@ulb.ac.be

Prof. Michel Luhmer michel.luhmer@ulb.ac.be

## Evaluation method(s)

Other

### Evaluation method(s) (additional information)

The seminar and the theoretical part count respectively for 60 and 40 % of the global assessment

### Main language(s) of evaluation

French

## Programmes

### Programmes proposing this course at the faculty of Pharmacy

BA-PHAR | Bachelor in Pharmacy | unit 2