CHIM2282 Complements of NMR

[22.5h+0h exercises] 2.5 credits

This course is taught in the 1st semester

Teacher(s): Jean-Louis Habib Jiwan, André Schanck
Language: French
Level: Second cycle

Aims

This course's objective is to enlarge and deepen the basic notions acquired in RMN to allow the student to obtain and interpret spectres of different difficulties.

Main themes

- Principals of RMN spectre calculation
- RMN 1D multi pulsing (SEFT, APT, INEPT, DEPT)
- RMN 2D
a) homonuclear and heteronuclear correlations (COSY, etc.) through the links
b) correlation through space (NOE, NOESY, ROESY)
- Profound study of 1H and 13C RMN
- RMN of other nucleuses (19f, 15N, 31P)
- Solid RMNs

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisites: course CHIM1241 part B or equivalent.
Students concerned: CHIM22.

Other credits in programs

CHIM22 Deuxième licence en sciences chimiques