



## CHIM2191 Chimie organique de synthèse I

[22.5h+0h exercises] 2.5 credits

This course is not taught in 2006-2007

This course is taught in the 1st semester

Language: French

Level: Second cycle

### Aims

Organic synthesis is an important aspect of chemistry that demands the integration of a bundle of knowledge. The first objective of the course is to teach the student the best way to analyse a target-structure so he can define a plan of action. The second objective of the course is to learn the application of a synthesis by the manipulation of activation methods and of selectivity control.

### Main themes

1. Retro synthetic analysis
2. Activation and protection of chemical functions
3. Chemo selectivity; regioselectivity
4. Anchimeric assistance
5. Stereo selectivity and asymmetric synthesis: notions developed are illustrated by concrete examples of organic synthesis of products interesting to the agro alimentary and pharmacy industry, or natural products.

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

Prerequisites: CHIM1270, CHIM2140 (partim).

Evaluation: written examination and personal work (report of an analysed article).

Support: teacher's course notes, scientific articles, books from CHIM library.

### Other credits in programs

<b>CHIM22</b>	Deuxième licence en sciences chimiques	(2.5 credits)	Mandatory
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