



Design of Organic Synthesis

Lecturer: prof. Antoni Riera (IRB Barcelona, Spain)

Course description:

This is an introductory course of Organic Synthesis design. It is addressed to first year PhD students that have attended a general organic chemistry course and a synthetic methods course. The course will have the following outline:

1. Introduction. Targets of organic synthesis.
2. Basic concepts of organic synthesis design. Synthons, retrons, transforms etc.
3. Retrosynthetic analysis. Strategies of synthesis.
4. The synthon approach. Electrocyclic, homolytic and heterolytic disconnexions. Umpolung. Difunctional compounds.
5. Strategies based on transforms. Six, five, four and three membered rings.
6. Strategies based on the structure. The chiron approach.
7. Strategies based on the stereochemistry

TERMINY WYKŁADÓW			
Data	Dzień tygodnia	Godzina	Sala
13 maj 2013	poniedziałek	12.00-15.00	300 (Gmach Główny)
14 maj 2013	wtorek	12.00-15.00	300 (Gmach Główny)
15 maj 2013	środa	12.00-15.00	300 (Gmach Główny)
16 maj 2013	czwartek	12.00-15.00	300 (Gmach Główny)
17 maj 2013	piątek	12.00-15.00	300 (Gmach Główny)