COURSE TITLE
Chimica Organica I
Organic Chemistry I
(Chemistry Bachelor)

Prof. Renato Noto (e-mail: renato.noto@unipa.it)
Classroom site: Viale delle Scienze, Padiglione 17, L. Sacconi Room

Credits (CFU) = **8**

COURSE PROGRAM

Face-to-face lectures (64 hrs, 8 CFU)
The unifying theme of this course is one that has proved to be instructionally most successful in the past: organic chemistry is best comprehended when divided into the chemistry of its functional groups. Thus, after a fairly comprehensive review of first-year chemistry, the presentation follows a logical sequence starting with the alkanes and progressing to more and more highly functionalized classes of molecules.
The physical properties of simple organic compounds are introduced early, as are such basic physical concepts as kinetics and thermodynamics. Within the functional-group approach, chemical reactions are routinely juxtaposed to mechanisms by which they proceed. Organic chemistry is much like a language the reactions are the words and the mechanistic descriptions are the grammar.
Finally, at strategic points throughout the course, the important spectroscopic techniques in organic chemistry are introduced.

TEXTBOOKS
W. H. Brown, C. S. Foote e B. L. Iverson, E. V. Anslyn, Chimica Organica (quarta edizione) EDISES