COURSE (TITLE): STRUCTURAL ANALYSIS OF BIOMOLECULES- INTERACTIONS AND STABILITY OF MACROMOLECULES

LECTURER:

YEAR and SEMESTER: 1th year, 2th semester

CREDITS (CFU): 2

SECTOR (SDS): CHIM/02

ACADEMIC YEAR:

ASSESSMENT: oral

LOCATION: Department of Environmental, Biological and Pharmaceutical Science and Technologies, Via Vivaldi 43 Caserta

COURSE OBJECTIVES/OUTCOMES:
The aim of this course is to acquire knowledge on the equilibrium of macromolecule-ligand interactions.

SYLLABUS (overview)
Macromolecule-ligand interactions at equilibrium

SYLLABUS (Detailed description):
Importance of ligand interactions. Ligand equilibria. Identical independent sites. Multiple classes of independent sites. Interaction between sites.

TEXTBOOKS:
1)Title: Reversible Ligand Binding: Theory and Experiment
Authors: Andrea Bellelli, Jannette Carey
Eds: WILEY
ISBN: 978-1-119-23848-5

2) Title: Biophysical chemistry part III: The behavior of biological macromolecules.
Authors: Cantor and Schimmel. Eds: Freeman and Company.

ADDITIONAL READING: