
COURSE: PHYSICAL CHEMISTRY

ACADEMIC YEAR: 2018/2018

TYPE OF EDUCATIONAL ACTIVITY: Basic

TEACHER: LUCIANO D'ALESSIO

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phone: 0971-206164

mobile (optional):

Language: italian

ECTS: 6

n. of hours: 48

Campus: Potenza

Semester: 1st

Dept./School: Department of Sciences

Program: Biotechnology

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course aims to provide the conceptual and methodological tools of thermodynamics, chemical kinetics and molecular structural studies, with particular reference to biotechnology applications. The student will gain the critical knowledge of the subject and the ability to solve simple numerical problems, also using IT tools, and discuss a paper on a topic of their choice.

PRE-REQUIREMENTS

Mathematics

Physics

General Chemistry

SYLLABUS

Chemical kinetics

Thermodynamics

Quantum-relativistic mechanics

TEACHING METHODS

Theoretical lessons, Classroom tutorials, Project works

EVALUATION METHODS

Written examination, Oral examination, Discussion of a project work

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

AAtkins-De Paula, Elementi di Chimica Fisica, Zanichelli

<http://oldwww.unibas.it/utenti/dalessio/benvenuti.html>

INTERACTION WITH STUDENTS

Reception by appointment

EXAMINATION SESSIONS (FORECAST)

2/5/19, 3/12/19, 6/4/19, 7/2/19, 9/10/19, 10/8/19, 12/10/19

SEMINARS BY EXTERNAL EXPERTS YES NO x

FURTHER INFORMATION
