



COURSE: PHYSICAL CHEMISTRY			
ACADEMIC YEAR: 2016/2017			
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/Matera Dept./School: Department of Sciences Program: Biotechnology	Semester: 1st
EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES <i>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.</i>			
PRE-REQUIREMENTS <i>Mathematics</i> <i>Physics</i> <i>General Chemistry</i>			
SYLLABUS <i>chemical kinetics</i> <i>thermodynamics</i> <i>quantum-relativistic mechanics</i>			
TEACHING METHODS <i>Theoretical lessons, Classroom tutorials, Project works</i>			
EVALUATION METHODS <i>Written examination, Oral examination, Discussion of a project work</i>			
TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL <i>Atkins-De Paula, Elementi di Chimica Fisica, Zanichelli</i> http://oldwww.unibas.it/utenti/dalessio/benvenuti.html			
INTERACTION WITH STUDENTS <i>Reception by appointment</i>			
EXAMINATION SESSIONS (FORECAST)¹ <i>14/2/17, 14/3/17, 16/5/17, 11/7/17, 10/10/17, 12/12/17</i>			
SEMINARS BY EXTERNAL EXPERTS YES ☐ NO ☒			
FURTHER INFORMATION			