

COURSE: Macromolecular Chemistry			
ACADEMIC YEAR:2018/19			
TYPE OF EDUCATIONAL ACTIVITY: Affine			
TEACHER: Prof. Rachele Pucciariello			
e-mail: rachele.pucciariello@unibas.it marinapucciariello@gmail.com		website:	
phone: 3381347183		mobile (optional):	
Language: Italian			
ECTS: (lessons e tutorials/practice) 6	n. of hours: (lessons e tutorials/practice) 48	Campus: Potenza Dept./School:Science Program:Chemistry (L27)	Semester: II

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

Aim of the course is to give the student the basic knowledge of macromolecular chemistry.

At the end of the course the student will have to know the main classes of macromolecules, their methods of synthesis and their properties.

PRE-REQUIREMENTS

Preparatory examination: Organic Chemistry 1.

SYLLABUS

Introduction to macromolecules.

Monomers.

Molecular masses and their determination.

Macromolecular structure.

Macromolecules in the solid state: amorphous and crystalline state.

Melting.

Glass transition.

Viscoelastic behaviour of polymers.

Dynamic-mechanical properties.

Macromolecules in solution.

Molecular weights and their determination.

Le masse molecolari e la loro determinazione.

Synthesis of macromolecules.

TEACHING METHODS

Theoretical lessons

EVALUATION METHODS

Oral examination

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Material furnished by the teacher

INTERACTION WITH STUDENTS

The students will have to contact the teacher by email or WA to get an appointment

EXAMINATION SESSIONS (FORECAST)¹

28 /2/2019,4/3/2019,27/6/2019, 1/7/ 2019,27/9/ 2019,1/10/ 2019,1 /12/ 2019

SEMINARS BY EXTERNAL EXPERTS YES NO X

¹ Subject to possible changes: check the web site of the Teacher or the Department/School for updates.

LOGO DELLA STRUTTURA PRIMARIA

FURTHER INFORMATION
