
COURSE: Macromolecular Chemistry

ACADEMIC YEAR:2016/17

TYPE OF EDUCATIONAL ACTIVITY: Basic

TEACHER: Prof. rachele Pucciariello

e-mail: rachele.pucciariello@unibas.it

website:

phone:

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

Basic elements of
Organic Chemistry
Chemical Physics

SYLLABUS

Introduction to macromolecules.

Monomers.

Molecular masses and their determination.

Macromolecular structure.

Macromolecules in the solid state: amorphous and crystalline state.

Melting.

Glass transition.

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

20/6/17, 18/7/17, 26/9/17, 24/10/17, 30/1/18

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION

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