

## Biology

### Biomolecules, cells and biomimetic systems

#### IDENTIFICATION

CODE : M1-NANO-NANO-S1-5  
ECTS : 3.0

#### HOURS

Lectures :	14.0 h
Seminars :	8.0 h
Laboratory :	12.0 h
Project :	0.0 h
Teacher-student contact :	34.0 h
Personal work :	15.0 h
Total :	49.0 h

#### ASSESSMENT METHOD

Written exam  
Graded reports on lab practicals

#### TEACHING AIDS

#### TEACHING LANGUAGE

English

#### CONTACT

Unknown

#### AIMS

This course provides a basic knowledge of biology from biomolecules (DNA, proteins, lipids) to the subcellular structure of the cell. It also introduces membrane biomimetic systems. Students with a physics, chemistry or engineering background are encouraged to attend this course. Students with a background in biology are exempt from taking this class but they may also follow it especially for the biomimetic part and for practicals.

#### BIBLIOGRAPHY

"Molecular Biology of the Cell", Alberts et al

## INSA LYON

### Campus LyonTech La Doua

20, avenue Albert Einstein - 69621 Villeurbanne cedex - France  
Phone +33 [0]4 72 43 83 83 - Fax +33 [0]4 72 43 85 00

[www.insa-lyon.fr](http://www.insa-lyon.fr)