

# Teaching guide

## IDENTIFICATION DETAILS

Degree:	Biomedicine		
Field of Knowledge:	Science		
Faculty/School:	Experimental Science		
Course:	NANOMEDICINE		
Type:	Compulsory	ECTS credits:	3
Year:	4	Code:	2164
Teaching period:	Seventh semester		
Area:	Biomedical Research Tools		
Module:	Experimental Methodology in Biomedicine		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	75		

## SUBJECT DESCRIPTION

La Nanomedicina consiste en el uso de herramientas nanométricas como estrategia para el estudio, la prevención, el diagnóstico y el tratamiento de enfermedades. Se trata de un área de amplio recorrido en investigación biomédica y con una alta traslación en la clínica que pretende poner solución a diferentes problemas de salud mediante el uso de una medicina más personalizada.

La asignatura de Nanomedicina pretende introducir los conceptos básicos que permitan entender las posibilidades de los nanosistemas aplicados a Biomedicina.

## SKILLS

## Basic Skills

Students must have demonstrated knowledge and understanding in an area of study that is founded on general secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

## General Skills

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## Specific skills

Learn the basic concepts, principles, methods regarding the engineering and design of nanomaterials applied to the resolution of problems in the area of health sciences (diagnostics, regenerative medicine and release of drugs).

## DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
30 hours	45 hours