MANDATORY - 5 ECTS

ELECTIVE SUBJECTS
(either 5 or 2.5 ECTS)

Technology	**Characterisation**	**Nanophysics**
Nanochemistry	**Nano for TIC**	**Nanopharma**

FALL SEMESTER Lectures will be in the classroom V11G (Faculty of Physics)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 10:50	Nanomaterials	Characterization and manipulation at the nanoscale	Nanomaterials	Characterization and manipulation at the nanoscale	Surface Science & Analysis
11:00 - 12:50	Synthesis and processing of nanomaterials	Colloidal systems and supramolecular devices	Surface Science & Analysis	Nanomagnetism and spintronics(1)	Colloidal systems and supramolecular devices
15:00 -16:50	Bioavailability, efficacy and toxicity. In vitro in vivo evaluation(2)	Nanoscopic Systems in Drug Delivery(2)	Nanoelectronics(1) / Pharmaceutical Nanotechnology(2)	Modelling and simulations(1) / Nanosystems for medical diagnosis(3)	Nanosensors(1)

(1) Lectures will be in the classroom Seminar 325 (Faculty of Physics)
(2) Lectures will be in the Faculty of Pharmacy (Classroom to be confirmed)
(3) Lectures will be in the classroom A44M (Faculty of Physics)

SPRING SEMESTER Lectures will be in the classroom Seminar 325 (Faculty of Physics)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 10:50	Nanoscale phenomena	Magnetic Techniques: Spectroscopies and Imaging	Nanophotonics	Nanoenergy	Analytical and high resolution Transmission Electron Microscopy
11:00 - 12:50	Nanobiotechnology	Nanomanufacturing and nanoprocessing in clean room environment	Nanocatalysis	Nanobiotechnology	Nanomanufacturing and nanoprocessing in clean room environment