

Chemistry of Low-Dimensional Phases and Materials: Relevant Cases of Study (4 ECTS)

(Costanza Borghesi 2 ECTS; Giacomo Giorgi 2 ECTS)

Introduction to Nanotechnology (key concepts); Physical States of Matter; Solids; Crystals vs amorphous; Semiconductors; Nanoscale Building Blocks; Materials for photovoltaics; Materials for photocatalysis; Many Body Problem & Density Functional Theory; Hands-on (DFT calculation of structural and electronic features of cases of study)

Room: Auletta Sezione Tecnologie Chimiche e Materiali per l'Ingegneria

		9.30- 10.30	10.30- 11.30	11.30- 12.30		14.30- 15.30	15.30- 16.30	16.30- 17.30	17.30- 18.30
Giacomo Giorgi	Ven03/10								
Giacomo Giorgi	Lun06/10								
		10.-11.	11.-12.	12.-13		14.-15	15.-16.	16.-17	17.-18
Costanza Borghesi	Mar07/10								
Costanza Borghesi	Mer08/10								