

Advanced Mass Spectrometry	Angela Amoresano	June: last 2 weeks
Applications of optical and Raman microscopy*	Manuela Rossi, Alessandro Vergara	July: Third and fourth week
Bioplastics	C. Valeria L. Giosafatto	November: First two weeks
Chemical methodologies for cultural heritage	Lelia Birolo, Alessandro Vergara	July: first two weeks
Data Acquisition Systems for Chemical Laboratories	Vincenzo Russo	February: first two weeks
Electronic structure methods for solid state materials*	Ana Belen Muñoz-Garcia	February: Last two weeks
Food Chemistry: preservation, processing and nutritional issues	Alessandra Napolitano	June: second and third week
Forensic Chemistry	Marco Trifuoggi	June: Last two weeks
Interpretative spectroscopy of natural organic substances	Alessio Cimmino, Marco Masi	Last week of June, first of July
Mitigation of the Environmental Impact of Chemical Processes for Energy Production	Fabio Montagnaro	Last week of January, first of February
Molecular engineering of proteins and metalloproteins	Marco Chino	September: first two weeks
Monte Carlo methods for chemical reactions simulation	Riccardo Tesser	Last week of June, first of July
Nanostructures and nanotechnologies*	Claudio De Rosa	June: second and third week
Natural phenolic compounds: structure, reactivity and applications	Prof. Lucia Panzella	February: last two weeks
Persistent organic pollutants (POPs)	Dr. Anna Andolfi	Last week of January, First week of February
Physical chemistry of the Nanosystems*	Prof. Luigi Paduano	June: Second and third week
Protein Engineering	Prof. Angela Duilio	Last week of June and first of July
Recent advances in biomolecular NMR	Prof. Delia Picone	July: second and third week

Selective Organometallic Catalysis: systems and advanced techniques	Prof. Peter Budzelaar	June: third and fourth week
Smart Drug Delivery Systems	Prof. Annalisa Guaragna	June: third and fourth week
Structure and Dynamics of Materials and Macromolecules by Elastic and Inelastic Scattering Techniques*	Prof. Finizia Auriemma	Last week of October, first of November
Synthesis, structure and applications of natural and modified oligonucleotides	Prof. Daniela Montesarchio, Dr. Domenica Musumeci	Last week of February, first week of March
Synthetic Glycochemistry	Prof. Emiliano Bedini, Prof. Alfonso Iadonisi	May: First two weeks
X-ray crystallography of biological macromolecules: advanced methods and applications	Prof. Antonello Merlino, Prof. Filomena Sica	Last week of January, First week of February
Flow chemistry	Prof. Vincenzo Russo	October: third and fourth week
Characterization of porous solids and powders: principles and application	Rosa Turco	Last two weeks of January, first two weeks of February
Didactics of chemistry	Oreste Tarallo	Last week of September, First week of October
Physico-chemical approaches to formulation science	Irene Russo Krauss	Second and third week of January, Second and third week of September
Biomolecular Chirality and the Origin of Life	Daniele D'alonzo	Last week of September, First week of October
Microscopy Techniques for Materials Science*	Rocco Di Girolamo	January: second and third week

\* course in the frame of the arCHIMede project