

Docente Tutor	Insegnamento Course	Titolo della tesi magistrale proposta Title/subject of the proposed master thesis
Maria Paola Parisi	Apparecchiature per il Trattamento dei Solidi	
Marco Scarsella	Catalisi Industriale <i>Green chemistry and process engineering</i>	
Marco Stoller	<i>Computer aided process control</i>	Development of advanced control systems on a membrane custom unit in Aspen Hysys (basic programming skills in VB are required)
Cecilia Bartuli	<i>Corrosion Engineering</i>	Coatings for high temperature corrosion protection
	Economia dell'Industria di Processo	
	<i>ECONOMICS OF TECHNOLOGY AND MANAGEMENT</i>	
Jacopo Tirillò	<i>Experimental techniques for materials characterization & Materiali Compositi Avanzati</i>	
Benedetta De Caprariis Maria Anna Murmura	<i>Green & Sustainable Hydrogen Production</i>	
Marco Bravi	Impianti Alimentari e Biochimici & <i>Nanobiotechnology</i>	Bio-fractionation of microbial and micro-algal biomass by natural switchable and deep eutectic solvents
Maria Teresa Mangialardi	Materiali Ceramiche	
Marco Valente	Materiali Polimerici e Compositi & <i>Sustainable design of materials</i>	In vitro and in vivo testing of the effectiveness of cationic conditioning on natural zeolites for nickel ion capture
	<i>Mathematical Methods for Chemical Engineering</i>	
Carla Lupi	Metallurgia dei Non Ferrosi	

	Metodi Matematici per l'Ingegneria	
Massimiliano Giona	<i>Non equilibrium thermodynamics with an application to the microscale</i>	Mass balance equations in viscoelastic fluids derived from fluctuation-dissipation relations
Roberto Lavecchia	Principi di Ingegneria Biochimica	Green synthesis of metal nanoparticles using plant extracts
Paola Russo	<i>Process and product safety in the chemical industry</i>	<ol style="list-style-type: none"> 1) Study on the thermal runaway of li-ion batteries (experimental or modelling) 2) Risk analysis of Hydrogen vehicles in confined spaces (e.g. car park) 3) Application of membrane processes to agro-food products for the production of beverages with high content of bioactive compounds 4) investigation on shelf life of minimally processed foods in bio-packaging
Maria Laura Santarelli	Processi di Polimerizzazione	
Luca Di Palma	Processi di Trattamento dei Reflui Liquidi & <i>Water treatment processes and environmental technology</i>	
Carla Lupi	Processi e Impianti Metallurgici	
Barbara Mazzarotta	Progettazione degli Impianti Chimici I	
Nicola Verdone	Progettazione degli Impianti Chimici II	
Maria Cristina Annesini	Reattori Chimici	
Stefano Cerbelli	<i>Separation processes with an application to lab-on-chips</i>	Analysis and prediction of mixing and dispersion Kenics mixer
Roberto Bubbico	Sicurezza degli Impianti Chimici	<ol style="list-style-type: none"> 1 Mathematical modelling of rechargeable batteries under abuse conditions (overcharge, overdischarge, etc.) 2 Mathematical modelling of batteries cooling systems by direct immersion in dielectric fluids

Nicola Verdone	Sistemi di Controllo degli Impianti Chimici	
Paolo De Filippis	Tecnologia del Petrolio e del Gas Naturale	
Filippo Berto	Tecnologie Metallurgiche	
Maria Anna Murmura	Termodinamica per l'Ingegneria Chimica II	
Antonio Zuorro	Ethanol production from exhausted paper packaging	Ethanol production from exhausted paper packaging
Antonio Brasiello	<i>Computational Methods for chemical and biochemical reactor dynamics</i>	Nonlinear dynamics of a membran reactor for hydrogen production
Alessandra Adrover	<i>Theory and Development of Process Design</i>	Drug delivery from cryogels.