

Course owner	Course co-owner (if any)	Course name	Hres	ECTS	Semester	Notes
Paolo Dario	Cesare Stefanini	Seminars cycle on "Biorobotics Vision: Principles of BioRobotics Science and Engineering"	10	1		
Paolo Dario		Introduction to BioRobotics	10	1		
Maria Chiara Carrozza		Introduction to the fourth industrial revolution	20	2		
Arianna Menciassi		Introduction to MicroRobotics for Medical Applications	20	2		
Silvestro Micera		Fundamentals of Neural Engineering	20	1		
Antonio De Simone		Control Principles for Soft and Bioinspired Robotics	20	2	1	
Calogero Maria Oddo	Gastone Ciuti	Seminars cycle on "Collaborative tools for research 4.0"	10	1		
Cesare Stefanini		Creative Engineering	20	2	2	
Angelo Maria Sabatini		Introduction to Statistics and Data Analysis	40	4	1	
Calogero Maria Oddo		Graphical programming for measurement, test, and control systems in bioengineering	30	3	2	
Nicola Vitiello		Graphical programming for measurement, test, and control systems in wearable robotics	30	3	2	
Andrea Mannini		Introduction to Machine Learning	20	2		The Course is first addressed to Honor students but open to PhD students
Gianni Ciofani		Introduction to bionanomaterials	30	3		
Matteo Cianchetti	Leonardo Ricotti	Seminars cycle on "Safety and good practices in biorobotics laboratories"	10	1	annuale	
Leonardo Ricotti		Microfabrication through soft lithography and SEM/AFM characterization	20	2	1	The Course is first addressed to Honor students but open to PhD students
Matteo Cianchetti		Innovative actuation technologies	20	2	2	
Arianna Menciassi (Coordinatrice PhD come referente)	Componente del Collegio (supervisione del projectual work)	Projectual work on "BioRobotics"	75	3		
Arianna Menciassi	Gastone Ciuti	Seminars cycle on "Medical Robotics and Regenerative Medicine"	10	1	annuale	
Gastone Ciuti		Computer-Assisted Surgery	20	2		
Giuseppe Tortora		Design of smart medical robotic systems	20	2		
Stefano Mazzoleni		Rehabilitation Robotics	30	3		
Maria Chiara Carrozza	Nicola Vitiello	Seminars cycle on "Wearable and Collaborative Robotics"	10	1	annuale	
Silvestro Micera	Calogero Maria Oddo	Seminars cycle on "Neuroscience Robotics"	10	1		
Alberto Mazzoni		Information theory and neural modelling for neural engineering	20	2		

Egidio Falotico		Brain inspired motor control	20	2		
Vaughan Macefield	Silvestro Micera, Calogero Maria Oddo	Bioelectronic tools for probing the peripheral nervous system: microneurography and microstimulation	35	2	2	
Leonardo Ricotti	TBD	Seminars cycle on "Prostheses and Artificial Organs"	10	1	annuale	
Robert Riener		Rehabilitation Engineering	30	3	1	
Cecilia Laschi	Cesare Stefanini	Seminary cycle on "Bioinspired and Soft Robotics"	10	1		
Vito Monaco	Egidio Falotico	Bipedal locomotion: from humans to humanoids	30	3		
Barbara Mazzolai	Virgilio Mattoli, Carlo Filippeschi	Nature for BioRobotics	30	3		
Antonio De Simone	Angelo Maria Sabatini	Seminars cycle on "Mathematical and Computational Modeling"	10	1		
Antonio De Simone		Mechanics of elastic solids and biorobotics structures	60	6		The Course is first addressed to Honor students but open to PhD students
Marcello Calisti		Nonlinear dynamical systems: fundamentals of qualitative analysis and computational tools	30	3		
Alessandro Lucantonio		Computational modeling for multiphysics	20	2	2	