

Seminars and courses 2023

Type	Speaker/teacher	Affiliation	Topic/Title	Date	Time and activity	Language	Location	Compulsory attendance for PhD students
Short course	Prof. Michele Scardi	Dept. of Biology, University Tor Vergata	Statistica	dates t.b.a; total 16 hrs.	total 16 hrs.	Italian	LESA Laboratories	Y
Class	Prof. Laura Buno	Dept. of Biology, University Tor Vergata	Cyanobacteria biofilms deteriorating stone monuments; development of innovative green biocides	lunedì 13 febbraio 2023	14:00-16:00	English	Microsoft Teams	Y
Incontro interdisciplinare	Luciano Boi Saverio Forestiero + tavola rotonda	Ecole des haute etudes en Sciences Sociales, Centre de Mathematique, Paris Dept. of Biology, University Tor Vergata	Geometria e fenomenologia del vivente	giovedì 16 febbraio 2023	10:00-15:00	Italian	Aula F. Autuori	N
Class	Prof. Luciana Migliore	Dept. of Biology, University Tor Vergata	Microbial communities on parchments	lunedì 20 febbraio 2023	14:00-16:00	English	Aula F. Autuori	Y
Class	Prof. Cinzia Forni	Dept. of Biology, University Tor Vergata	Utilization of plant biomasses as sources for renewable energies, drugs and biodegradable plastics	lunedì 20 febbraio 2023	16:00-18:00	English	Aula F. Autuori	Y

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Class	Prof. Roberta Congestri	Dept. of Biology, University Tor Vergata	From genes to ecosystems: diatom molecular ecology	lunedì 3 luglio 2023	14:00-16:00	English	Microsoft Teams	Y
Class	Prof. Katia Aquilano	Dept. of Biology, University Tor Vergata	Environmental biochemistry	lunedì 6 novembre 2023	14:00-16:00	English	Microsoft Teams	Y

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	Prof. Tommaso Russo	Dept. of Biology, University Tor Vergata	Introduction to R: a quick recap	venerdì 13 gennaio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
	Prof. Tommaso Russo	Dept. of Biology, University Tor Vergata	Machine learning in R: Multilayer perceptron networks, Self-Organizing maps, Random Forest	venerdì 20 gennaio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
	Prof. Tommaso Russo	Dept. of Biology, University Tor Vergata	Analysis of Time Series	venerdì 27 gennaio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
	Prof. Tommaso Russo	Dept. of Biology, University Tor Vergata	The art of data visualization in R	lunedì 30 gennaio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
	Prof. Tommaso Russo	Dept. of Biology, University Tor Vergata	Data Science Workflow: from R packages to Shiny platforms	venerdì 3 febbraio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
	Prof. Marco Maria D'Andrea	Dept. of Biology, University Tor Vergata	Next Generation Sequencing: an overview	lunedì 6 febbraio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula 17	Y
	Prof. Marco Maria D'Andrea	Dept. of Biology, University Tor Vergata	Frequently used NGS platforms	martedì 7 febbraio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula 17	Y

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COURSE	Prof. Marco Maria D'Andrea	Dept. of Biology, University Tor Vergata	File formats commonly used for the analysis of NGS data	giovedì 9 febbraio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula 17	Y
	Prof. Claudio Ottoni	Dept. of Biology, University Tor Vergata	Quality Check of NGS data	martedì 21 febbraio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula 17	Y
	Prof. Claudio Ottoni	Dept. of Biology, University Tor Vergata	Metagenomic screening of shotgun sequencing data	venerdì 24 febbraio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula 17	Y
	Prof. Claudio Ottoni	Dept. of Biology, University Tor Vergata	Microbiome data analysis in R -1 (PCA)	lunedì 27 febbraio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula 17	Y
	Prof. Claudio Ottoni	Dept. of Biology, University Tor Vergata	Microbiome data analysis in R -2 (DeSeq2)	mercoledì 1 marzo 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula 17	Y
	Prof. Paolo Gratton	Dept. of Biology, University Tor Vergata	Introduction to linear models	lunedì 29 maggio 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
	Prof. Paolo Gratton	Dept. of Biology, University Tor Vergata	Generalized linear models	giovedì 1 giugno 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y

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	Prof. Paolo Gratton	Dept. of Biology, University Tor Vergata	Mixed models	lunedì 5 giugno 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
	Prof. Paolo Gratton	Dept. of Biology, University Tor Vergata	Generalized additive models and modelling spatial effects	giovedì 8 giugno 2023	14:00-18:00 2 hours theory + 2 hours practice	English	Aula Pesca Casali	Y
Short course	Prof. Francesca Luca	Dept. of Biology, University Tor Vergata	Grant proposals' and manuscript writing	lunedì 27 marzo 2023	14:00-18:00 4 hours theory + practice	English	Aula F. Autuori	Y
				martedì 28 marzo 2023	14:00-18:00 4 hours theory + practice	English	Aula F. Autuori	Y
				mercoledì 29 marzo 2023	14:00-18:00 4 hours theory + practice	English	Aula F. Autuori	Y