



**UNIVERSITY OF NAPLES FEDERICO II  
POLYTECHNIC AND SCIENCE SCHOOL  
Dept. of Biology**

**PhD School in Biotechnology  
Coordinator Prof. Marco Moracci**



COURSES	MODULES	PROFESSOR IN CHARGE	PROFESSOR	DATE	H	CFU
SUSTAINABILITY OF INDUSTRIAL BIOTECHNOLOGICAL PROCESSES. ECONOMIC, ENVIRONMENTAL, AND SOCIAL INDICATORS		PIERO SALATINO	PIERO SALATINO, ANTONIO MARZOCCHELLA	26 <sup>th</sup> and 27 <sup>th</sup> of January 2026	8	1
INTRODUCTION TO DATA ANALYSIS		RAFFAELE VELOTTA	RAFFAELE VELOTTA	28 <sup>th</sup> -30 <sup>th</sup> January 2026	8	1
FROM THEORY TO PRACTICE: WRITING A SUCCESSFUL SCIENTIFIC PAPER		VIOLA CALABRÒ	VIOLA CALABRÒ, DARIA MONTI	26 <sup>th</sup> of January -13 <sup>th</sup> of February 2026	8	1
RESEARCH MANAGEMENT, INTELLECTUAL PROPERTY, SCIENCE OUTREACH, AND ENTREPRENEURSHIP	RESEARCH MANAGEMENT AND KNOWLEDGE OF EUROPEAN AND INTERNATIONAL RESEARCH SYSTEMS	DONATO GIOVANNELLI	MARCO MORACCI / DR. MAURO DI FENZA	2 <sup>nd</sup> and 3 <sup>rd</sup> of March 2026	16	2
	PATENTS AND INTELLECTUAL PROPERTY MANAGEMENT		DONATO GIOVANNELLI	11 <sup>st</sup> , 12 <sup>nd</sup> e 13 <sup>th</sup> of March 2026		
	OUTREACH AND THE PUBLIC FACE OF SCIENCE		DONATO GIOVANNELLI	11 <sup>th</sup> of June 2026	8	1
	START-UP, ENTREPRENEURSHIP, AND BUSINESS CREATION					
PROTEIN STRUCTURE VISUALIZATION AND ANALYSIS		EUGENIO NOTOMISTA	EUGENIO NOTOMISTA	11 <sup>th</sup> of June 2026		
IN-SILICO AND BIOCHEMICAL APPROACHES FOR ENZYME DISCOVERY AND THEIR BIOTECHNOLOGICAL APPLICATIONS	ANALYSIS IN-SILICO FOR ENZYME DISCOVERY THROUGH METAGENOMICS	ANDREA STRAZZULLI	ANDREA STRAZZULLI, ROBERTA IA CONO, FEDERICA DELISE	25 <sup>th</sup> and 26 <sup>th</sup> June 2026	8	2
	CARBOHYDRATE ACTIVE ENZYMES					



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	FOR BIOREFINERIES – Part 1					
	CARBOHYDRATE ACTIVE ENZYMES FOR BIOREFINERIES – Part 2					
MICROSCOPIC METHODOLOGIES FOR LIFE AND MATERIALS SCIENCES	TRASMISSION ELECTRON MICROSCOPY and SCANNING ELECTRON MICROSCOPY; PRACTICAL EXERCISE	ROSA GAGLIONE	ROSA GAGLIONE, ROCCO DI GIROLAMO	13 <sup>th</sup> July 2026	8	1
	OPTICAL MICROSCOPY, FLUORESCENCE MICROSCOPY and CONFOCAL MICROSCOPY; PRACTICAL EXERCISE			14 <sup>th</sup> of July 2026		
INTRODUCTION TO PROTEOMICS AND ITS APPLICATIONS IN BIOTECH FIELD		FLORA COZZOLINO	FLORA COZZOLINO	21 <sup>st</sup> 22 <sup>th</sup> 23 <sup>th</sup> 24 <sup>th</sup> Of July 2026	8	1
VERSATILE NANO DISPLAY-PLATFORM BASED ON BACTERIA		STEFANY CASTALDI	RACHELE ISTICATO, STEFANY CASTALDI	13 <sup>th</sup> and 20 <sup>th</sup> of January 2027 3 <sup>rd</sup> and 10 <sup>th</sup> of February 2027	8	1
METHODOLOGIES FOR THE VALORIZATION AND BIO-TECHNOLOGICAL APPLICATIONS OF CARBOHYDRATES		SERENA TRABONI	SERENA TRABONI	5 <sup>th</sup> , 9 <sup>th</sup> and 12 <sup>th</sup> of February 2027	8	1
ADVANCED NANOCARRIERS AND MATERIALS FOR DIAGNOSTICS, DRUG DELIVERY, AND TARGETED THERAPY.		ANDREA PATRIZIA FALANGA	GIORGIA OLIVIERO, VINCENZO CERULLO, ILARIA REA, ANDREA PATRIZIA FALANGA(	21 <sup>st</sup> and 4 <sup>th</sup> of May 2027	8	1
BIOACTIVE MOLECULES FROM NATURAL SOURCES: PURIFICATION AND APPLICATIONS		PAOLA IMBIMBO	PAOLA IMBIMBO, DARIA MARIA MONTI, ALESSIO CIMMINO	25 <sup>th</sup> , 26 <sup>th</sup> and 27 <sup>th</sup> of May 2027.	8	1
SELF-ASSEMBLING PEPTIDE AND PROTEIN AMYLOIDS:		PAOLA CICATIELLO	ALESSANDRA PISCITELLI,	7 <sup>th</sup> , 8 <sup>th</sup> and 9 <sup>th</sup> of June 2027	8	1



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FROM STRUCTURE TO BIOTECHNOLOGICAL APPLICATIONS			PAOLA CICATIELLO			
DRIVING FERMENTATION STRATEGIES: NEW FRONTIERS IN BIOCATALYST SELECTION AND PROCESS CONTROL		CONCETTA LAURO	CONCETTA LAURO	14 <sup>th</sup> , 15 <sup>th</sup> , 21 <sup>st</sup> and 22 <sup>nd</sup> of July 2027	8	1
BIOPLASTICS FOR A SUSTAINABLE DEVELOPMENT		CONCETTA VALERIA L. GIOSAFATTO	CONCETTA VALERIA L. GIOSAFATTO	23 <sup>rd</sup> and 26 <sup>th</sup> of November 2027.	8	1

**ENROLLMENT IS MANDATORY FOR ALL THE COURSES.  
TO ENROLL, SEND AN E-MAIL TO THE PROFESSOR IN CHARGE.**

PHD CANDIDATES SHALL BE REQUIRED TO PARTICIPATE IN A TOTAL OF ONE HUNDRED TWENTY (120) HOURS OF EDUCATIONAL ACTIVITIES THROUGHOUT THE FIRST TWO YEARS OF THE PHD CYCLE, AS CONTAINED IN THEIR STUDY PLAN.

EACH PHD CANDIDATE SHALL EARN NO FEWER THAN FORTY (48) HOURS (6 cfu) IN COURSES ACTIVATED WITHIN THE DOCTORATE.

**Courses activated within the 41<sup>st</sup> cycle.**