

**CORSO DI LAUREA MAGISTRALE INTERNAZIONALE IN INNOVATION DEVELOPMENT IN AGRIFOOD SYSTEMS
(IDEAS) (coorte 2022/2023)**
MANIFESTO DEGLI STUDI PER STUDENTI A TEMPO PIENO

SSD	Attività didattica	CFU/ECTS	Ex	Accertamento	Valutazione
I anno – I semestre					
AGR03	Fruit tree eco-physiology and strategies to cope with climate change	9 (6L - 3Ex/Lab)	1	Esame	Voto
	I.C. Innovative and smart technologies in crop protection	9 (6L - 3Ex/Lab)	1	Esame	Voto
AGR11	Innovative and advanced control strategies of plant feeders (3 ECTS, 2L - 1Ex/Lab)				
AGR12	Smart technologies to manage plant pathogens (6 ECTS, 4L - 2Ex/Lab)				
	I.C. Food and food components from agrifood of by-products and novel sources	6 (2L - 1Ex/Lab)			
AGR16	Food bioprocesses from by-products and novel sources (3 ECTS, 2L - 1Ex/Lab)		-	Prova in itinere	
AGR13	I.C. Innovation in biomass and wastes management in agrifood systems	9 (4L - 2Ex/Lab)			
	Sustainable biomass management (6 ECTS, 4L - 2Ex/Lab)		-	Prova in itinere	
	Totale I sem	27	3		
I anno - II semestre					
AGR02	Advanced data analysis methods for sustainable agronomic and environmental management	6 (4L - 2Ex/Lab)	1	Esame	Voto
AGR07	Modern plant breeding strategies	9 (6L - 3Ex/Lab)	1	Esame	Voto
	I.C. Food and food components from agrifood of by-products and novel sources	6 (2L - 1Ex/Lab)	1	Esame	Voto
AGR15	Technology management of by-products for food production (3 ECTS, 2L - 1Ex/Lab)				
AGR01	Circular economy and policies	6 (4L - 2Ex/Lab)	1	Esame	Voto



AGR13	I.C. Innovation in biomass and wastes management in agrifood systems	9 (2L - 1Ex/Lab)	1	Esame	Voto
	Biomass and wastes characterization (3 ECTS, 2L - 1Ex/Lab)				
	Totale II sem	27	4		
	Total I year	54	7		
II anno					
	I.C. Sustainable field cropping systems for bio-based sectors and bio-energy	9 (6L - 3Ex/Lab)	1*	Esame	Voto
AGR02	Non-food and industrial energy cropping systems (3 ECTS, 2L - 1Ex/Lab)				
AGR09	Mechanization and monitoring of cropping systems (3 ECTS, 2L - 1Ex/Lab)				
AGR10	Sustainable non-food and industrial energy supply chains and processing systems (3 ECTS, 2L - 1Ex/Lab)				
Gli studenti devono scegliere due attività didattiche (totale 18 ECTS) fra le seguenti opzioni					
	I.C. Sustainable innovative technologies improving soil, microorganism and plant interactions (Option 1)	9 (6L - 3Ex/Lab)	1*	Esame	Voto
AGR12	Sustainable innovative approach in managing soil-borne pathogens (3 ECTS, 2L - 1Ex/Lab)				
AGR13	Sustainable clean soil strategies (3 ECTS, 2L - 1Ex/Lab)				
AGR16	Soil microbiota management improving agricultural systems (3 ECTS, 2L - 1Ex/Lab)				
	I.C. Innovation in managing fresh commodities losses (Option 2)	9 (6L - 3Ex/Lab)	1*	Esame	Voto
AGR12	Innovative technologies in managing postharvest diseases (3 ECTS, 2L - 1Ex/Lab)				
AGR16	Biotechnologies for shelf life improvement (3 ECTS, 2L - 1Ex/Lab)				



AGR15	Innovative active packaging (3 ECTS, 2L - 1Ex/Lab)				
	I.C. Eco-friendly technologies for biomass recycling (Option 3)	9 (6L - 3Ex/Lab)	1*	Esame	Voto
AGR11	Eco-friendly insect mediated biomass recycling (3 ECTS, 2L - 1Ex/Lab)				
AGR13	Waste biorefinery (3 ECTS, 2L - 1Ex/Lab)				
ING IND22	Biomaterials from agrifood wastes (3 ECTS, 2L - 1Ex/Lab)				
	I.C. Biodiversity mainstreaming in crop production (Option 4)	9 (6L - 3Ex/Lab)	1*	Esame	Voto
AGR07	Genetic approaches for resilience to climate change (3 ECTS, 2L - 1Ex/Lab)				
AGR11	Biodiversity and ecosystem services in agriculture (3 ECTS, 2L - 1Ex/Lab)				
AGR12	Host-pathogen interactions and microorganism diversity (3 ECTS, 2L - 1Ex/Lab)				
	I.C. Innovation in fruit and vegetable crops (Option 5)	9 (6L - 3Ex/Lab)	1*	Esame	Voto
AGR03	Sub-tropical and semi-arid fruit crops (6 ECTS, 2L - 1Ex/Lab)				
AGR04	Innovative and sustainable vegetable cultivation (3 ECTS, 2L - 1Ex/Lab)				
	I.C. Innovative thinking in bioeconomy scenarios (Option 6)	9 (6L - 3Ex/Lab)	1	Esame	Voto
CHIM12	Innovation, creative thinking and sustainability (3 ECTS, 2L - 1Ex/Lab)				
SPS10	Social innovation in local community and enterprises (3 ECTS, 2L - 1Ex/Lab)				
SECS-P08	Innovative enterprises management (3 ECTS, 2L - 1Ex/Lab)				
	Attività Didattica a scelta libero dello studente	9	1**	Esame	Voto
	Totale I sem	36	4		
II anno - II semestre					



	Tirocinio finalizzato alla preparazione della tesi di laurea magistrale	7		Attestato	
	Altre conoscenze utili per l'ingresso nel mondo del lavoro	3		Attestato	
	Tesi di laurea ed esame finale	20		Esame	Voto
	Totale II sem	30			
	Totale	120	11		

SSD: Settore Scientifico Disciplinare;
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(IDEAS) A.A. 2022-2023 (coorte 2021/2022)**
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AGR01	Circular economy and policies					
AGR13	I.C. Innovation in biomass and wastes management in agrifood systems	9 (6L - 3Ex/Lab)	1	Esame	Voto	
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	Biomass and wastes characterization (3 ECTS, 2L - 1Ex/Lab)	54	7			
II anno - I semestre						
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