





WP1 Ivana Majić

























Harmonization and Innovation in PhD Study Programs for Plant Health in Sustainable Agriculture -HarISA is a Erasmus+ project funded with the suport of the European Union. Project Number: 598444-EPP-1-2018-1-HR-EPPKA2-CBHE-JP (2018-2472 / 001-001)

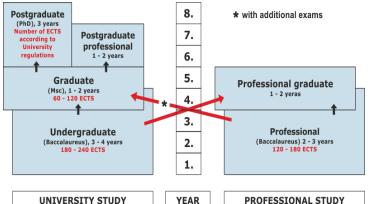


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FAZOS and Bologna declaration



Comparable three-cycle degree structure:

- Bachelor
- Master
- Doctoral

Internationally recognized





























FAZOS adopted all central tools in Bologna process

The European **Credit Transfer** System (ECTS) since 2005

A set of learning outcomes as defined by the European Qualifications Framework and Croatian Qualification Framework

The Quality Assurance Comitee Re-accredited PhD

study programs in 2016 by international external evaluators

The Diploma Supplement



























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Postgraduate doctoral studies AGRICULTURAL SCIENCES



Major **Plant** protection





































Structure		Number of credits (ECTS)		
Ottac	Lar	Activity	min	max
		Obligatory group of activities	140	-
	1.	Obligatory courses (2)	12	12
	2.	Elective courses (min 5)	18	60
	3.	Research work	60	100
	4.	Presentation of scientific work	10	30
	5.	Dissertation	40	40
		Additional group of activities		
	6.	Professional activities	-	10
	7.	Teaching activities	-	30
				N4: : 5400



























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Learning outcomes of the study program at FAZOS

After completing the major Plant Protection, student will be able to:

- 1. Demonstrate the mastery of skills to critically apply range of existing theories, methods and tools in plant
- 2. Create a plan for protection of agricultural crops based on the principles of integrated and ecological pest management
- 3. Identify and evaluate the key environmental factors important for management of weeds, diseases and pests
- 4. Select and develope the most appropriate methods for monitoring of weeds, pathogens and pests
- 5. Recognize and identify allergenic plants, quarantine organisms, and beneficial invertebrates
- Recognize and explain the risks of pesticides for humans, animals, and impact on environment
- Demonstrate the ability to conceive, design and conduct research work with scholarly integrity
- Demonstrate the intellectual indipendence to publish and present results of the research work related to plant protection































Compliance with the European Qualification Framework

The program and course

learning outcomes

are aligned with level of

8.2

of the Croatian Qualification Framework
 (or 8 EQF)

























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FAZOS offers

2 obligatory courses

35 elective courses grouped by disciplines

Weed Science (11)











List of 37 courses in total





















Courses of general importance



Courses	ECTS
Principles of Scientific Work in Plant Protection	6
Ecology in Plant Protection	6
Total 2	12





















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Zoology



Courses	EC12
Morphology and Physiology of Insects	2
Systematic Entomology	2
Entomology in Crop Science	4
Entomology in Horticulture	4
Inesct Pests of Orchards and Vineyards	4
Stored Product Pests	3
Control Methods of Stored Product Pests	2
Plant Resistance to Pests	2
Urban Entomology	2
Quarantine Pests	1
Acarology	2
Ecology of Nematodes	2
Nematology	4
Zoocides	4





















Courses Weed Science





Herbology 4 Special Herbology 4 Weed Science Veed Science in Crop Production 4 Herbicides 2 Herbicide-Soil-Plant Interaction 1 Application and Legislation of Pesticides 2 2 **GMO** in Plant Protection Weed Science in Orchards and Vineyards 4 Weed Science in Horticulture 4 Weed Communities in Crop Production 2 2 Allergenic Weeds



















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Phytopathology



	Courses	ECTS
	Laboratory Methods in Mycology	2
/	Quarantine Diseases	1
	Seed Diseases	2
	Phytopatology in Horticulture	4
	Phytopatology in Crop Production	4
	Toxic Fungi and Mycotoxins	2
	Diseses of Orchards and Vineyards	4
	Soil Microbiology	4
	Total 8	23































Interdisciplinary



Courses	ECTS
Plant Protection in Ecological Agriculture	4
Toxicology and ecotoxicology	2
Total 2	6



















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Funded by the East Up of completed PhD thesis in the last

10 yrc

	Discipline
Plant substances and inert dusts – natural insecticide formulations in storage insect control	Entomology
The influence of abiotic factors on life traits of European corn borer (Ostrinia nubilalis Hubner)	Entomology
Pear shoot sawfly (Janus compressus fabricius) - life cycle, biological and morphological characteristic	Entomology
Endoparasitic nematodes of genus Pratylenchus on soybean	Nematology
Characterization of pathotypes Passalora fulva (Cooke) the agent of tomato leaf mould in Croatia	Phytopathology
Morphological and molecular identification of Fusarium species and their pathogenicity for wheat	Phytopathology
In vitro antifungal activity of essential oils and their components on phytopathogenic fungi	Phytopathology
Allergenic weeds in Istria and possibilities of weed control	Weed science

Invasive plant species of the Požega valley

























List of active PhD thesis

Approved PhD thesis	Discipline
Ecologically acceptable methods in protection of different species and varieties of cereals against stored product pests	Entomology
The effect of biological, ampelotechnic and chemical control measures on <i>Botrytis cinerea</i> Pers. and yield and quality of vines of cv. Cabernet sauvignon	Phytopathology
Nematodes as an ecosystem bioindicators in intercropping system of wood species and agricultural crops	Nematology

























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