

DEPARTMENT OF GEOGRAPHY

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ABOUT US:

From the past and current study programmes

Department of Geography was established in 1994 and from 2003 it is a part of the renewed University. Starting with two professors, up to 2016 the number of staff members has increased to 20 academic staff members of which 16 holding a tenure position, 3 assistants, 1 lecturer. From 1994 until 2005 the Department of Geography offered a dual study-program, which gave the possibility to combine the Geography Study Program with a number of study programs offered by the Faculty of Philosophy, and from 2003 by the University of Zadar. Since the academic year 2005/2006 the Department of Geography offers two undergraduate and graduate programs (a single study program of applied geography, and a double major teachers' study program). In 2002/2003 the Department has also organized a postgraduate study program entitled *Geographic Basis of the Littoralization of Croatia*. Since the academic year 2010/2011 the Department has been organizing a new postgraduate

program entitled *Adriatic - A Link Between Continents*. The study is jointly organized by the Department of Geography and the History Department of the University of Zadar. At the end of the academic year 2013/2014 the Department has established five sub-departments: the Sub-Department of Physical Geography, a Sub-Department of Social Geography, a Sub-Department of Applied Geography, a sub-Department of Regional Geography and Geography Teaching Methodics and the sub-Department of Cartography and GIS. In 2016/2017 the Department has started with two new undergraduate and graduate programs; Double-major Undergraduate University Study Programme of Geography and Single-major Undergraduate University Study Programme of Applied Geography. Double-major Graduate University Study Programme of Geography: Teaching Program and Single-Major Graduate University Study Programme of Applied Geography (with 2 modules: Geographical space modelling and Geographical aspects of coastal zone management).

Scientific and professional activities

The strategy of the Department's research activities was developed as part of the requirements for scientific activities in the area of biomedicine and health, biotechnical, interdisciplinary, natural and technical sciences based on the Act on Quality Assurance in Science and Higher Education (*Official Gazette of the Republic of Croatia* 45/2009) and the Ordinance on the Content of License and Conditions for Issuing the License for Performing Higher Education Activities, Carrying out a Study Program and the Re-accreditation of Higher Education Institutions (*Official Gazette of the Republic of Croatia*, 24/2010). According to the department's Strategy of Research Activities in 2014-2018 Period, the Department of Geography plans to participate in the research of the 23 scientific topics. During the period of past five years, the Department's teaching staff attended a large number of conferences, seminars, schools and meetings that took place outside of Croatia (over a hundred).

More than a third of the staff's scientific publications accepted in journals listed in Current Contents, Web of Science and Scopus databases was a result of co-authorship i.e. cooperation with other institutions of higher education and scientific organizations. In the last five years the academic staff has been involved in several international and domestic research projects (as Project Director or as associates)

In the past five academic years the Department of Geography has initiated and has been involved in several international activities (as organizer or co-organizer). Also, in the same period, the staff mobility included the foreign mobility of teachers. Members of the Department's teaching staff spent up to several weeks at various universities abroad. Several members of the Department's teaching staff participate in individual research cooperation. The results of this cooperation are visible in the number of participations in international conferences as well as in co-authored publications.

Geoadria Journal is a scientific journal published by Croatian Geographic Society – Zadar and the Department of Geography, University of Zadar, since 1996. - 2 issues per year (print & online). It is indexed in SCOPUS, GEOREF, Current Geographical Publications, Environmental Sciences, GEOBASE (TM), GeoArchive Aquatic Science & Fisheries Abstracts, ProQuest, EBSCO, and DOAJ. (<http://hrcak.srce.hr/geoadria>.)

Students' activities

Every year, in May, a two day event called "The Open Days of Geography" is organized, where students and professors hold popular lectures on specific geographical

topics. Parallel to the event, the geography students' journal "Pangea" is being published yearly.

As members, the students are also actively involved in the following associations: Croatian Mountain Rescue Service, Mountaineering Club Paklenica, Speleological section Liburnija,

Croatian Geographical Society Zadar, Student Association of Geography Zadar. Also, the students have been involved in International Summer School and Conferences.

STUDY PROGRAMMES

Single-major Undergraduate University Study Programme of Applied Geography

Duration of the study: 6 semesters (full-time study)

Admission requirements: Passed national secondary school leaving examination or admission procedure

Competencies acquired upon finishing the study programme:

Show knowledge and understanding of basic terms, principles and theories in geography

Recognize physical and geographic elements of space

Interpret the contents and results of geological research for the needs of geography

Demonstrate understanding of different changes in the environment

Demonstrate understanding of different changes in the human society

Identify social and geographic processes

Connect the physical basis of the space with social and economic processes

Collect and process statistical and spatial data

Analyse and correlate visualize statistical and spatial data

Graphically visualize statistical and spatial data

Prepare maps based on different spatial data with modern geospatial technologies (GIS)

Present results of own analysis in written form and orally

Interpret economic and demographic statistical data and connect them with social and geographic development of space

Interpret cartographic presentations

Analyse geographic aspects of maps as sources for geographic study and geographic means of expression

Demonstrate and apply knowledge and understanding regarding the shape and dimensions of Earth, movements of Earth and orientation in space and time

Integrate knowledge from mathematical geography with other relevant and interconnected geography disciplines (cartography, geomorphology, climatology, hydrogeography)

Study cartographic sources and on that basis analyse historic and geographic processes and cartographic methods in geography

Explain the cause and consequence relations between individual phenomena and processes in space

Apply acquired knowledge in physical, social, applied and regional geography in teaching geography

Explain manners of managing natural resources

Interpret geographic data from different sources, and based on analysis adopt relevant independent conclusions

Recognize the impact of social processes on the changes of space use during certain historic development

Explain manners of protecting natural and social resources

Apply in practice the principles of scientific research work

Use literature in foreign language for the needs of research

Professional title acquired upon finishing the study programme:

Bachelor of Science in Geography

Course list by semesters:

Course unit code	I SEMESTER	Status	Hours per week			ECTS
			L	S	E	
	Introduction to geography	R	45	0	15	5
	Mathematical geography	R	30	0	15	4
	Fundamentals of geology I	R	45	0	15	5
	Hydrogeography I	R	30	0	15	4
	Geoinformatics	R	15	0	30	4
	Introduction to scientific research	R	30	0	0	3
	Multimedia geography	R	15	0	30	4
	Foreign language					2
	II SEMESTER					
	Cartography I	R	30	15	0	4
	Fundamentals of geology II	R	45	0	15	5
	Hydrogeography II	R	30	0	15	4
	Graphical methods in geography	R	0	0	45	4
	Quantitative methods in geography I	R	15	0	30	4
	Biogeography and ecology	R	30	0	15	4
	Fieldwork I	R	30			2
	Foreign language	R				2
	III SEMESTER					
	Climatology	R	30	30	15	6
	Maritime geography	R	30	15	0	3
	Demography I	R	30	15	15	5
	Basic urban geography	R	30	15	0	3
	English language in geography I	R	0	0	30	2
	Introduction to economic geography	R	30	15	0	3
	Fieldwork	R	30			2
	Regional geography of Australia and Oceania	E	15	15	0	3
	Regional geography of Russia	E	15	15	0	3
	Foreign language					2
	IV SEMESTER					
	Development of urban systems in the world	R	30	15	0	4

	Demography II	R	30	30	15	6
	Geomorphology	R	30	30	15	6
	Agricultural and rural geography	R	15	15	15	4
	English language in geography II	R	0	0	30	2
	Fieldwork	R	30			2
	Regional geography of Asia	E	30	15	0	3
	Regional geography of Africa	E	30	15	0	3
	Industrial geography	E	30	15	0	3
	Foreign language					2
	V SEMESTER					
	Tourism geography	R	30	30	0	4
	Political geography I	R	30	15	0	3
	Regional geography of Croatia I	R	30	15	0	3
	Historical geography	R	30	15	0	3
	Regional geography of Europe I	R	30	15	0	3
	Fieldwork	R	40			2
	Regional geography of North America	E	30	15	0	3
	Contemporary population trends	E	30	15	0	3
	Croatian diaspora	E	30	15	0	3
	GIScience – Science on geospatial information	E	15	0	45	4
	Foreign language					2
	VI SEMESTER					
	Regional geography of Europe II	R	30	15	0	3
	Transport geography	R	30	15	0	3
	Introduction to scientific research	R	0	30	0	2
	Regional geography of Croatia II	R	30	15	0	3
	Political geography II	R	30	15	0	3
	Fieldwork	R	40			2
	Final exam	R			15	1
	Geography of natural hazards	E	15	15	0	2
	Regional geography of Latin America	E	30	15	0	3
	Medical geography	E	15	30	0	2
	Digital cartography	E	15	0	30	4
	Foreign language					2

Double-major Undergraduate University Study Programme of Geography

Duration of the study: 6 semesters (full-time study)

Admission requirements: Passed national secondary school leaving examination or admission procedure

Competencies acquired upon finishing the study programme:

- Show knowledge and understanding of basic terms, principles and theories in geography
- Recognize physical and geographic elements of space
- Demonstrate understanding of different changes in the environment
- Demonstrate understanding of different changes in the human society
- Identify social and geographic processes
- Connect the physical basis of the space with social and economic processes
- Collect and process statistical and spatial data
- Analyse and correlate visualize statistical and spatial data
- Graphically visualize statistical and spatial data
- Analyse geographic aspects of maps as sources for geographic study and geographic means of expression
- Demonstrate and apply knowledge and understanding regarding the shape and dimensions of Earth, movements of Earth and orientation in space and time
- Integrate knowledge from mathematical geography with other relevant and interconnected geography disciplines (cartography, geomorphology, climatology, hydrogeography)
- Study cartographic sources and on that basis analyse historic and geographic processes and cartographic methods in geography
- Interpret economic and demographic statistical data and connect them with the social and geographic development of space with modern geo-spatial technologies
- Explain the cause and consequence relations between individual phenomena and processes in space
- Apply acquired knowledge in physical, social, applied and regional geography in teaching geography
- Explain natural and geographic characteristics of individual continents and regions of the world
- Explain social, economic and geopolitical process and changes in certain regions of the world
- Establish similarities and differences between certain countries in the world in connection with their natural and socio-geographic characteristics
- Present results of analysis of certain issues in written form, and orally
- Apply in practice the principles of scientific research work

Professional title acquired upon finishing the study programme: Bachelor of Science in Geography

Course list by semesters:

Course unit code	I SEMESTER	Status	Hours per week			ECTS
			L	S	E	
	Introduction to geography	R	45	0	0	3
	Mathematical geography	R	30	0	15	4
	Fundamentals of geology I	R	45	0	15	5
	Hydrogeography I	R	30	0	0	2
	Geoinformatics	R	15	0	30	4
	Introduction to scientific research	R	30	0	0	3

II SEMESTER						
Cartography I	R	30	0	0	2	
Fundamentals of geology II	R	45	0	15	5	
Hydrogeography II	R	30	0	0	2	
Graphical methods in geography	R	0	0	30	2	
Quantitative methods in geography I	R	15	0	15	2	
Biogeography and ecology	R	30	0	15	4	
Fieldwork I	R	30			2	
III SEMESTER						
Climatology	R	30	0	15	3	
Maritime geography	R	30	0	0	2	
Demography I	R	30	0	15	3	
Basic urban geography	R	30	0	0	2	
English language in geography I	R	0	0	30	2	
Introduction to economic geography	R	30	0	0	2	
Fieldwork	R	30			2	
Regional geography of Australia and Oceania	E	15	0	0	2	
Regional geography of Russia	E	15	0	0	2	
IV SEMESTER						
Demography II	R	30	0	15	3	
Geomorphology	R	30	0	15	3	
Regional geography of Asia	E	30	15	0	3	
Regional geography of Africa	E	30	0	0	2	
English language in geography II	R	0	0	30	2	
Fieldwork	R	30			2	
Agricultural and rural geography	E	15	15	15	4	
Industrial geography	E	30	0	0	2	
Development of urban systems in the world	E	30	0	0	2	
V SEMESTER						
Political geography I	R	30	0	0	2	
Regional geography of Croatia I	R	30	0	0	2	
Historical geography	R	30	0	0	2	
Regional geography of Europe I	R	30	15	0	3	
Regional geography of North America	R	30	15	0	3	
Fieldwork	R	40			2	
Tourism geography	E	30	30	0	4	
Contemporary population trends	E	30	15	0	3	
Croatian diaspora	E	30	15	0	3	
GIScience – Science on geospatial information	E	15	0	45	4	
VI SEMESTER						

	Regional geography of Europe II	R	30	15	0	3
	Regional geography of Latin America	R	30	15	0	3
	Introduction to scientific research	R	0	30	0	2
	Regional geography of Croatia II	R	30	0	0	2
	Political geography II	R	30	0	0	2
	Fieldwork	R	40			2
	Final exam	R			15	1
	Geography of natural hazards	E	15	15	0	2
	Medical geography	E	15	30	0	2
	Digital cartography	E	15	0	30	4
	Transport geography	E	30	15	0	3

Single-Major Graduate University Study Programme of Applied Geography

Duration of the study: 4 semesters

Admission requirements: Completed undergraduate study programme of geography or a related study programme with passing differential exams.

Competencies acquired upon finishing the study programme:

Professional title acquired upon finishing the study programme: Master of Science in Geography

Course list by semesters: Apply key geographic concepts in practical applications in different situations

Demonstrate understanding of different techniques and approaches in collecting spatial information

Designing and implementing independent research of specific geographic issues

Analyse spatial data and manage spatial data using geographic information systems (GIS)

Critically interpret different maps as sources of geographic data

Prepare topical maps as geographic means of expression

Classify individual types of relief and correlate them with the optimal use of space

Propose possible scenarios of the development of space based on analysis of natural-geographic and socio-geographic characteristics of space

Formulate problem issues when studying different geographic topics

Synthesize research results

Apply acquired geographic knowledge in the physical and social geography in practical work

Analyse certain geographic issues

Discuss the results of scientific research work

Formulate procedures and the course of scientific research work

Critically judge data sources and bibliography in the course of scientific research work

Present the results of own research

Classify developmental potentials of certain areas

Argue the justifiability of certain scientific research methods when analysing and planning space

Prepare basic geographic models, for different geographic analysis and spatial modelling

Course unit code	Module	I SEMESTER	Status	Hours per week			ECTS
				L	S	E	
	Geographical	Modelling spatial data in GIS I	R	30	0	30	5

	space modelling	Geographical landscape analysis	R	15	0	30	4
		Geographical aspects of coastal zone management	R	30	15	0	4
		Fundamentals of oceanology	R	30	0	15	4
		Scientific research methods in geography I	R	30	0	0	4
	Geographical aspects of coastal zone management	Geographical aspects of coastal zone management	R	30	15	0	4
		Geography of Croatian Islands	R	15	30	0	4
		Geoecology	R	30	0	15	4
		Fundamentals of oceanology	R	30	0	15	4
	Geographical space modelling	Scientific research methods in geography I	R	30	0	0	2
		Tourism and spatial resources in Croatia	E	30	15	0	4
		Teaching methods in geography I	E	30	0	15	4
		Geoecology	E	30	0	15	4
		Geography of Croatian Islands	E	15	30	0	4
	Geographical aspects of coastal zone management	Inclusive education	E	30	15	0	4
		Tourism and spatial resources in Croatia	E	30	15	0	4
		Geographical landscape analysis	E	15	0	30	4
		Modelling spatial data in GIS I	E	30	0	30	5
		Teaching methods in geography I	E	30	0	15	4
		Inclusive education	E	30	15	0	4
		II SEMESTER					
	Geographical space modelling	Geographical aspects of regionalisation and spatial planning	R	30	15	0	4
		Spatial analyses in GIS	R	15	15	30	5
		Remote sensing	R	30	0	15	4
		Scientific research methods in geography II	R	0	30	0	3
		Fieldwork		40			3
	Geographical aspects of coastal zone management	Geography of the Adriatic	R	30	15	0	4
		Geographical aspects of regionalisation and spatial planning	R	30	15	0	4
		Spatial analyses in GIS	R	15	15	30	5
		Karst geography	R	30	0	15	4
		Teaching methods in geography II	R	0	30	0	3
		Fieldwork		40			3
	Geographical space modelling	Geography of the Adriatic	E	30	15	0	4
		Karst geography	E	30	0	15	4
		Transport geography and tourism development	E	30	15	0	4
		Applied statistics in geography	E	15	0	30	4
		Teaching methods in geography II	E	30	0	15	4
	Geographical aspects of coastal zone	Remote sensing	E	30	0	15	4
		Transport geography and tourism development	E	30	15	0	4
		Applied statistics in geography	E	15	0	30	4

	management	Teaching methods in geography II	E	30	0	15	4
		III SEMESTER					
		Methodology of scientific and research work in geography	R	15	30	0	4
		Thesis writing seminar	R	0	30	0	2
		Practical training	R	0	0	45	4
		Fieldwork	R	40			2
		Selected topics from hydrogeography	E	15	15	15	4
		Geographical aspects of littoralization	E	15	30	0	4
		Geography of religion	E	15	30	0	4
		Teaching methods in geography II	E	15	15	45	8
		IV SEMESTER					
		M.A. Thesis	R			150	28
		Fieldwork	R	40			2

Double-major Graduate University Study Programme of Geography: Teaching Program

Duration of the study: 4 semesters

Admission requirements: Completed undergraduate study programme of geography or a related study programme with passing differential exams.

Competencies acquired upon finishing the study programme:

Demonstrate acquired knowledge in physical, social, applied and regional geography in teaching geography at primary and secondary school level

Demonstrate knowledge in the methodology of teaching geography in primary and secondary school

Demonstrate acquired methodological and pedagogical knowledge in working with students with specific learning disabilities

Organize geographic extracurricular and out-of-school activities

Identify causes and consequences of certain natural geographical and socio-geographical changes

Analyse certain geographical issues with modern geospatial technologies (GIS)

Discuss the results of scientific research work

Formulate procedures and the course of scientific research work

Critically judge data sources and bibliography in the course of scientific research work

Present the results of own research

Compare natural-geographical and socio-geographical potential of certain areas

Analyse spatial data and manage spatial data using geographic information systems (GIS)

Argue the justifiability of using certain scientific research methods when analysing and planning space

Classify developmental potential of certain areas

Professional title acquired upon finishing the study programme: Master of Arts in Geography Education

Course list by semesters:

Course unit code	I SEMESTER	Status	Hours per week			ECTS
			L	S	E	
	Teaching methods in geography I	R	30	0	15	4
	Scientific research methods in geography II	R	0	30	0	3
	Inclusive education	R	30	15	0	4
	Geoecology	E	30	0	0	2
	Geographical aspects of coastal zone management	E	30	0	0	2
	Tourism and spatial resources in Croatia	E	30	0	0	2
	Geography of Croatian Islands	E	15	15	0	2
	Modelling spatial data in GIS I	E	15	0	15	2
	Fundamentals of oceanology	E	30	0	15	2
	Geographical landscape analysis	E	15	0	15	4
	II SEMESTER					
	Teaching methods in geography II	R	30	0	15	4
	Scientific research methods in geography II	R	15	30	0	4
	Fieldwork	R	40			3
	Geography of the Adriatic	E	30	0	0	2
	Geographical aspects of regionalisation and spatial planning	E	30	0	0	2
	Spatial analyses in GIS	E	15	0	15	2
	Karst geography	E	30	0	0	2
	Remote sensing	E	15	0	15	2
	Transport geography and tourism development	E	30	0	0	2
	Applied statistics in geography	E	15	0	15	2
	III SEMESTER					
	Methodology of scientific and research work in geography	R	15	15	0	2
	Thesis writing seminar	R	0	30	0	2
	Teaching methods in geography II	R	15	15	45	8
	Fieldwork	R	40			2
	Selected topics from hydrogeography	E	15	15	15	4
	Geographical aspects of littoralization	E	15	30	0	4
	Geography of religion	E	15	30	0	4
	IV SEMESTER					
	M.A. Thesis	R			75	13
	Fieldwork	R	40			2