

# DEPARTMENT OF INFORMATION SCIENCES AT THE UNIVERSITY OF ZADAR

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### **ABOUT US:**

The Department of Information Sciences (DIS) was established in 2003. It offers study programmes at three levels (undergraduate, graduate, and doctoral postgraduate studies). As one of newest LIS schools in the country, DIS has established an important national position in the field of information sciences today. Our undergraduate and graduate students are adept at using latest technologies and methods for different professional and research tasks, and the Department recruits competent faculty members who understand both libraries and the broader context of information systems and services. Our Ph.D. program attracts (inter)national doctoral students from a broad range of heritage institutions (libraries, archives and museums), ICT and publishing companies and research/academic institutions. Our best doctoral students go on to positions of prominence in research and teaching, at academic institutions in the same field of study or in senior positions in various information and heritage institutions.

In its current configuration, the six major areas of education and research in DIS are:

- Information and Communication Technology and Information Systems
- Organization, Preservation and Use of Written Heritage
- Designing and Building Digital Collections and Services
- Research into Information Needs and Information Behavior
- Information Literacy and Information Systems in Education
- Managing of Change in Publishing and Scholarly Communication

In all these areas we have (inter)nationally recognized leaders. DIS plans to build and maintain that strength, and over the next few years to expand into other areas as well.

The department has established very strong international relations through the organisation of numerous international conferences (LIDA 2009-2021, ISI 2015, ISIC 2016, PUBMET 2014-2022, and several doctoral schools), through Erasmus and CEEPUS mobility programmes and through the memberships in international organisations (ASIST, IFLA, Euclid, ALISE, ICARUS).

Revised undergraduate and graduate study programmes of Information Sciences are accredited in 2014. They have expanded the subjects of Library and Information Science (LIS) to publishing and archival studies and replaced existing LIS programmes in 2015/2016.

Revised study programmes in Information sciences aim to educate competent professionals who will be equipped to work in ever changing environment and society that is influenced by the increasing application and use of the ICT, new ways of organizing and disseminating information and new ways of communicating. These changes require new approaches of managing the information institutions, creating and offering new services through which these institutions will further open up to their community/communities and will find ways to directly contribute to the economic and social development locally and nationally (information management and adding value to the recorded knowledge).

## **STUDY PROGRAMMES**

### **Undergraduate university study programme of Information Sciences** **(single-major)**

#### **Duration of the study:**

*6. semesters*

#### **Admission requirements:**

*Completed four-year high school and passed state graduation exam*

#### **Competencies acquired upon finishing the study programme:**

*Upon completion of the undergraduate program, students will be able to:*

- a) identify the main features of the field, its branches and areas of convergence of information profession and related fields*
- b) distinguish and understand the basic initial points and directions of development of culture and civilization*
- c) identify the basic terms and concepts in the field of information and communication sciences*
- d) understand and interpret the importance, objectives and tasks of information institutions in a society*
- e) understand the impact of computers and information and communication systems on individuals, organizations and society*
- f) demonstrate knowledge and skills in the areas of selection, organization, backup, storage, search and retrieval of information*
- g) understand and apply modern concepts and practices in information technology*
- h) apply knowledge and skills in the use of modern technologies and tools in the area of selection, operation and/or management of computer based information systems*
- i) understand and apply the basic principles of information institution practice in accordance with professional, ethical, legal and safety principles and responsibilities*
- j) apply knowledge and demonstrate the skills to build and protect the physical and digital collections of material in information institutions and online*
- k) identify information needs and behaviour of people and participate in the design and implementation of information services*
- l) assist in the implementation of information technology and information literacy*
- m) apply the acquired knowledge and skills in working with systems and users in the heritage institutions and publishing industry as part of their educational, cultural and social roles*
- n) participate in the design of information and educational materials and aids in information institutions*
- o) demonstrate written and verbal communication skills in communicating with the public, the users and in dissemination of information to the professional community*
- p) identify problem situations (actual and simulated)*
- q) apply social skills through participating in group and teamwork*
- r) participate in project work*
- s) improve the skills of independent and lifelong learning for the purpose of further formal or informal training*

#### **Professional title acquired upon finishing the study programme:**

*Bachelor of Information Sciences*

Course list by semesters:

Course unit code	SEMESTER	Status	Hours per week			ECTS
			L	S	E	
<b>I SEMESTER</b>						
IZP101	<i>Orientation Practicum</i>	O		1	1	2
IZP102	<i>Fundamentals of Information Technology</i>	O	1		2	6
IZP103	<i>Fundamentals of Oral and Written Culture</i>	O	2	2		8
IZP104	<i>Information Searching</i>	O	1		2	5
IZP105	<i>Introduction to Logic</i>	O	2		1	4
IZP106	<i>Physical and Health Culture</i>	O			2	1
IZP107	<i>English for Professionals I.</i>	O	1		1	2
IZP108	<i>Second Foreign Language</i>	O	1		1	2
<b>II SEMESTER</b>						
IZP201	<i>Introduction to Information Sciences</i>	O	2	2	2	8
IZP202	<i>Introduction to Scientific Research</i>	O	1	1	2	7
IZP203	<i>Introduction to Network Systems and Technologies</i>	O	1		3	7
IZP204	<i>Physical and Health Culture</i>	O			2	1
IZP205	<i>English for Professionals II.</i>	O	1		1	2
IZP206	<i>Second Foreign Language</i>	O	1		1	2
<b>III SEMESTER</b>						
IZP301	<i>Organization of Information I.</i>	O	2		2	7
IZP302	<i>Organization and Management of Information Institutions</i>	O	2		2	7
IZP303	<i>Fundamentals of Publishing and Bookselling</i>	O	2	2		5
IZP403	<i>Introduction to Programming</i>	O	1		2	6
IZP305	<i>Foreign Language</i>	O	1		1	2
	<i>Electives</i>	E				3
<b>IV SEMESTER</b>						
IZP401	<i>Organization of Information II.</i>	O	2	1	2	6
IZP407	<i>Statistics for information specialists</i>	O	1		2	5
IZP304	<i>Database Design</i>	O	1		2	6
IZP404	<i>Introduction to Sociology of Books and Reading</i>	O	2	2		6
IZP405	<i>Foreign Language</i>	O	1		1	2
IZP406	<i>Practical Work I</i>	O			4	2
	<i>Electives</i>	E				3
<b>V SEMESTER</b>						
IZP501	<i>Research Methods in the Social Sciences</i>	O	1		2	5
IZP502	<i>Information Systems in Education</i>	O	2		1	6
IZP303	<i>Digital Multimedia</i>	O	1		2	6

IZP505	<i>Data Management</i>	O	1		2	4
IZP504	<i>Practical Work II</i>	O			4	4
	<i>Electives</i>	E				5
<b>VI SEMESTER</b>						
IZP601	<i>Introduction to Information User Studies</i>	O	2	2		6
IZP307	<i>Systems for Subject Indexing and Searching</i>	O	2		1	6
IZP603	<i>Final Thesis</i>	O			4	8
IZP604	<i>Final Exam</i>	O			2	4
	<i>Electives</i>	E				6

**Graduate university study programme of Information Sciences**  
**(single-major)**

**Duration of the study:**

*4. semester*

**Admission requirements:**

*Completed three-year undergraduate study programme in the field of information and communication sciences or BA degrees from other areas of study (oral and written exam for students with degrees outside of information and communication sciences)*

**Competencies acquired upon finishing the study programme:**

*Upon completion of the graduate program, students will be able to:*

- a) understand the theory and interpret theoretical models as well as the directions of the development and new trends in the field of information sciences, communication professions and science*
- b) recognize the underlying problems and issues in the area of information sciences and to apply appropriate methodology approaches and techniques in their research*
- c) understand and interpret social and ethical norms and behaviours in information and communication processes*
- d) demonstrate skills and apply theoretical knowledge and skills in selection, organization, search, retrieval and evaluation of information as well as in designing, maintaining and developing of information systems and aids*
- e) understand and interpret socio-economic and cultural context of information institutions and networks as well as their social role. Also, to independently interpret the impact of computers and information and communication systems on individuals, organizations and society*
- f) identify and interpret philosophical determinants of information*
- g) recognize and interpret existing models and development trends in scientific research as well as the processes of transfer and evaluation of scientific information and communication processes in science*
- h) understand and skilfully apply the knowledge and skills in the use of modern technologies and tools in selecting, creating and/or administration of the computer-based information systems*
- i) to understand, interpret and apply the basic principles of management information services, including the planning and construction of appropriate physical and virtual space, in accordance with professional, ethical, legal and safety principles and responsibilities*
- j) understand and apply modern methodological approaches in research and development of organizational and information systems, as well as in designing organizations and organizational structures*
- k) apply knowledge and demonstrate the skills in managing physical and digital collections of materials, including their storage and protection in physical information institutions and online*
- l) systematically explore and analyze users' information needs and behaviour*
- m) recognize the importance, to explore the issues and initiate the design and implementation of new information services*
- n) select, evaluate, implement and manage information and computer systems in heritage institutions and publishing as a part of their educational, cultural and social roles*
- o) demonstrate innovation in the design of information and educational materials and aids*

- p) demonstrate a high level of written and verbal communication skills in communicating with the public, the users, and in transfer of information in the professional community
- q) identify issues in management of information institutions, systems and networks (actual, virtual and simulated) and offer solutions
- r) expertly apply social skills in group and team work
- s) identify and solve issues in pilot projects
- t) systematically improve skills of independent and lifelong learning

**Professional title acquired upon finishing the study programme:**

*Master of Information Sciences*

**Course list by semesters:**

Course unit code	SEMESTER	Status	Hours per week			ECTS
			L	S	E	
<b>I SEMESTER</b>						
IZD101	<i>Information Society</i>	O	2	2		6
IZD102	<i>Theory and Practice of Information Organization</i>	O	2	1	1	7
IZD103	<i>Digital Humanities</i>	O	2	1		6
IZD104	<i>Practical Work</i>	O			6	3
	<i>Electives</i>	E				8
<b>II SEMESTER</b>						
IZD201	<i>Human Information Behaviour</i>	O	1	2		5
IZD202	<i>Data Mining</i>	O	1		2	5
IZD203	<i>Cultural Studies</i>	O	2	2		4
IZDK201	<i>Information Collections Management</i>	O	2	1		6
IZDK111	<i>Management in Information Institutions</i>	O	1	2		6
	<i>Electives</i>	E				4
<b>III SEMESTER</b>						
IZD301	<i>Philosophy of Information</i>	O	2	1		4
IZD302	<i>Research Methods in Information Sciences</i>	O	2		2	6
IZD303	<i>Practical Work and Pilot Project</i>	O		2	4	4
IZDK301	<i>Evaluation of Information Services</i>	O	1	2	1	6
IZDK302	<i>Information Seeking and Retrieval</i>	O	2		2	6
	<i>Electives</i>	E				4
<b>IV SEMESTER</b>						
IZD401	<i>Modelling and Building Digital Collections and Services</i>	O	1		2	4
IZD402	<i>Practicum, Thesis Writing and Defence</i>	O		9		18
	<i>Electives</i>	E				8