

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2019/2020

Department of Information Sciences at the University of Zadar
Academic Year 2019/2020

Contents

UNDERGRADUATE AND GRADUATE COURSES IN ENGLISH (ACADEMIC YEAR 2019/2020 – WINTER SEMESTER > OCTOBER '19 – JANUARY '20)	2
UNDERGRADUATE AND GRADUATE COURSES IN ENGLISH (ACADEMIC YEAR 2019/2020 – SUMMER SEMESTER > MARCH – JUNE '20).....	3
INFORMATION SEARCHING (BA/W)	4
INTRODUCTION TO LOGIC (BA/W)	5
INTRODUCTION TO PROGRAMMING (BA/W).....	6
INFORMATION SYSTEMS IN EDUCATION (BA/W)	7
LIBRARY SERVICES FOR CHILDREN AND YOUNG ADULTS (BA/W)	8
OLD BOOKS DESCRIPTION AND ACCESS SYSTEMS (BA/W)	9
RESEARCH METHODS IN INFORMATION SCIENCES (MA/W)	10
INTRODUCTION TO NETWORK SYSTEMS AND TECHNOLOGIES (BA/S).....	11
DATABASE DESIGN (BA/S)	12
HUMAN INFORMATION BEHAVIOR (MA/S)	13
DATA MINING (MA/S).....	14
DIGITAL HUMANITIES (MA/S).....	15

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2019/2020

Undergraduate and Graduate Courses in English (Academic year 2019/2020 – Winter Semester > October '19 – January '20)

LECTURERS	COURSE TITLE	SEMESTER W = winter sem.; S = summer sem.	ECTS CREDIT S	LEVEL OF STUDY
Assoc. Prof. J. Stojanovski, Ph.D. Nikolina Peša Pavlović, teaching assistant	INFORMATION SEARCHING	W	5	BA
Assist. Prof. Josip Ćirić, Ph.D.	INTRODUCTION TO LOGIC	W	4	BA
Assist. Prof. Krešimir Zauder, Ph.D.	INTRODUCTION TO PROGRAMMING	W	6	BA
Full Prof. Ivanka Stričević, Ph.D. Nikolina Peša Pavlović, teaching assistant	INFORMATION SYSTEMS IN EDUCATION	W	6	BA
Full Prof. Ivanka Stričević, Ph.D.	LIBRARY SERVICES FOR CHILDREN AND YOUNG ADULTS	W	3	BA
Assist. Prof. Franjo Pehar, Ph.D. Mate Juric, Ph.D.	RESEARCH METHODS IN INFORMATION SCIENCES	W	6	MA
TOTAL ECTS			30	

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2019/2020

Undergraduate and Graduate Courses in English (Academic year 2019/2020 – Summer Semester > March – June '20)

LECTURERS	COURSE TITLE	SEMESTER W = winter sem.; S = summer sem.	ECTS CREDI TS	LEV EL OF STUD Y
Assist. Prof. Franjo Pehar, Ph.D. Assist. Prof. Mirko Duić, Ph.D.	INTRODUCTION TO NETWORK SYSTEMS AND TECHNOLOGIES	S	7	BA
Assist. Prof. Krešimir Zauder, Ph.D.	DATABASE DESIGN	S	6	BA
Assist. Prof. Marijana Tomić, Ph.D.	OLD BOOKS DESCRIPTION AND ACCESS SYSTEMS	S	3	BA
Assist. Prof. Ante Panjkota, Ph.D.	DATA MINING	S	5	MA
Assist. Prof. Marijana Tomić, Ph.D.	DIGITAL HUMANITIES	S	6	MA
Full Prof. Ivanka Stričević, Ph.D. Mate Juric, Ph.D. Nikolina Peša Pavlović, teaching assistant	HUMAN INFORMATION BEHAVIOR	S	5	MA
TOTAL ECTS			32	

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

Department	Department of Information Sciences at the University of Zadar
Description of the courses offered in a foreign language in the academic year 2018/2019	

Name of the course	<i>Information Searching (BA/W)</i>			
Name of the teacher	Jadranka Stojanovski, Ph.D., Associate professor Nikolina Peša Pavlović, assistant			
Number of ECTS credits	5	Semester	<input checked="" type="checkbox"/> autumn/winter	<input type="checkbox"/> spring/summer
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars		Exercises
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	<p>The challenges of finding relevant information are constantly evolving. One of the primary information expert competencies is information management and the ability of targeted and high-quality retrieval, as well as ability to relevant information. In this course students learn the basic concepts of information searching across different information sources, efficient use of library catalogues, secrets of Google Search, and searching different subscription based bibliographic databases and citation indexes on different platforms: Web of Science (Web of Science Core Collection), SciVal (Scopus), etc. Students acquire fundamental knowledge on the theory of information retrieval, databases structures, query syntax and other search features such as wildcard characters, stop words, Boolean and other operators, use of the quotation marks, etc. Additionally, the methods and criteria for the evaluation of resources (search results) are explained and discussed.</p>			
Learning outcomes of the course	<p>By the end of the course, students will:</p> <ul style="list-style-type: none"> • master basic information search concepts • identify and be able to choose the appropriate information source, database or search engine • master the usage of library catalogues, subscription based bibliographic databases and citation indexes, web search engines and other open access databases, repositories, archives etc. • master the exact formulation and/or interpretation of a search query, as well as it's syntax adjustment in different databases • learn how to conduct query search for a given topic • learn how to interpret, evaluate, present, save and share search results • master basic features, advantages and disadvantages of different platforms • master critical assessment of different search interfaces, query syntax, advanced search options, as well as given results • learn how to manage search results 			
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

	All the incoming students	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

Name of the course	<i>Introduction to Logic (BA/W)</i>		
Name of the teacher	Josip Ćirić, Ph.D., Associate professor		
Number of ECTS credits	4	Semester	<input checked="" type="checkbox"/> autumn/winter <input type="checkbox"/> spring/summer
Teaching will be organized as	Lectures <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars	Exercises
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	Students are introduced to classical logic as well as propositional and predicate calculus. Dealing with logic calculus syntax is considered fundamental to acquiring basic topics of scientific methodology, statistical reasoning, computer architecture and programming.		
Learning outcomes of the course	<p>By the end of course, students are expected to:</p> <ul style="list-style-type: none"> • be acquainted with general history of logic; • be able to read formulas in propositional and predicate calculus; • use methods of <i>reduction ad absurdum</i>, <i>truth tables</i>, and <i>derivations</i> in propositional calculus; • use method of <i>truth tables</i> in predicate calculus. 		
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
	All the incoming students	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

Name of the course	<i>Introduction to Programming (BA/W)</i>			
Name of the teacher	Krešimir Zauder, Assistant Professor			
Number of ECTS credits	6	Semester	<input checked="" type="checkbox"/> autumn/winter	<input type="checkbox"/> spring/summer
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars		Exercises
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	<p>The goal of the course is to teach fundamental programming skills which are applicable to a wide array of languages and problems.</p> <p>As the fundamental way of giving instructions to the computer, programming teaches both basic computer knowledge as well as empowers the students to solve many computer-solvable problems in a versatile and adaptable manner. Furthermore, programming teaches critical thinking as related to domain specific problems rather than just the usage of premade solutions.</p> <p>The language of choice for this course is Python, which is both very popular as the first programming language and as the swiss army knife of programming languages. Python is used in a wide array of computer related problems and is especially popular as relating to data programming which goes well with the broader goal of educating information experts.</p>			
Learning outcomes of the course	<p>After successfully passing this course, students will:</p> <ul style="list-style-type: none"> • understand basic programming concepts: programming, programming language, algorithm, application ... • understand and know how to use basic concepts in programming: value, type, variable, operator, function, conditional, loop ... • be able to recognise problems that are easily solved by programming • be able to write a simple python script/program 			
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		
	All the incoming students	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

Name of the course	<i>Information Systems in Education (BA/W)</i>			
Name of the teacher	Ivanka Stričević, Ph.D., Full Professor			
Number of ECTS credits	<u>6</u>	Semester	<input checked="" type="checkbox"/> autumn/winter	<input type="checkbox"/> spring/summer
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars		Exercises
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	<ul style="list-style-type: none"> • Key terms in pedagogy, teaching and learning strategies • Life-long learning; Key competences for life-long learning • Learning strategies in e-environment • The role of information sources and services in learning and research • Literacies in a digital age; Information literacy • ICT in formal and non-formal learning; Multimedia in education • Information resources and their usage in instruction and class work • E-learning; Pedagogical aspects of e- learning • Webinars; Tutorials, MOOCs; Learning objects; Repositories of learning objects • Databases relevant for education; Reference services in education • Educational portals and packages 			
Learning outcomes of the course	<p>Students will be able to:</p> <ul style="list-style-type: none"> • define key terms in the field • notice changes in learning strategies in a digital age • recognize and interpret the role of information systems in education • understand importance of life-long learning and concept of learning for life • define literacies in the digital age and be able to contextualize them in education and curricula • search and evaluate information and resources connected to the field of education • apply content analyses in evaluation of information systems • master of basics of the application of IT in learning and education • be competent in using of e-tutorials • understand pedagogical framework of e-learning and apply appropriate strategies 			
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		
	All the incoming students	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

Name of the course	<i>Library services for children and young adults (BA/W)</i>			
Name of the teacher	Ivanka Stričević, Ph.D., Full Professor			
Number of ECTS credits	<u>3</u>	Semester	<input checked="" type="checkbox"/> autumn/winter	<input type="checkbox"/> spring/summer
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Seminars	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
			Exercises	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	Students are learning theory and practice of library services for children and young adults (teenagers) according to the scholarly works and international and Croatian guidelines on library services.			
Learning outcomes of the course	<p>After completion, students will be able to:</p> <ul style="list-style-type: none"> • master theoretical concepts and public library management and define terminology of the field • analyse access changes in services for children and young adults • notice the specificity of working with children and young adults in digital environment • notice the role of the librarian in ensuring access to information and specificities of the digital environment • connect library and its informational, educational and cultural role • distinguish access to working with different age groups and special needs; to notice the importance of inclusion of children in libraries from the earliest age • know different forms of working with children, young adults and parents, in the world and in Croatia • learn how to research needs of actual and potential users • plan contents, activities and programmes • apply strategies of working with children and young adults • implement activities and programmes with children and young adults • practice pedagogical work forms with children and young adults • apply findings about reader's development • retrieve information sources of information for children and young adults • evaluate literature and web sources • inform about thematic scientific and professional literature research about libraries for children and young adults • communicate efficiently with children, young adults and parents • evaluate public libraries' work with children, young adults and parents 			
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		
	All the incoming students	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
	Students of the University of Zadar enrolled at the above department as an elective course	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		
	All the students of the University of Zadar	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

	as an elective course
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Name of the course	<i>Old Books Description and Access Systems (BA/W)</i>				
Name of the teacher	Assistant Professor dr. sc. Marijana Tomić				
Number of ECTS credits	3	Semester	<input type="checkbox"/>	autumn/winter	<input checked="" type="checkbox"/>
	spring/summer				
Teaching will be organized as	Lectures	<input type="checkbox"/> yes	<input type="checkbox"/> no	Consultations	<input type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures		Seminars		Exercises
	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	<ul style="list-style-type: none"> - Introduction to manuscript and old and rare material studies - Introduction to codicology, typography and bibliography - Analytical bibliography and bibliographical analysis - Specificities of old and rare material in the context of its description - Printed and online catalogues and databases of old and rare material - Projects of describing, digitization and research of old and rare material –introduction to Digital humanities projects - Content and material description of old and rare material - Standards and rules for bibliographic description of old and rare material – ISBD(A), <i>Pravilnik i priručnik za izradbu abecednih kataloga, I. i II. dio</i> - Authority control in the context of old and rare material - Machine readable cataloguing of old and rare material using UNIMARC – UNIMARC/B, UNIMARC/A, Smjernice za upotrebu UNIMARC-a : stare omeđene publikacije (antikvarne) - Applying conceptual models in bibliographic organization of old and rare material - Visit to a library with old and rare material collection 				
Learning outcomes of the course	<p>Students will be able to:</p> <ul style="list-style-type: none"> - distinguish old and rare from new material - define key terms in the field: codicology, bibliography, information organization - understand specificities of old and rare material - understand the value of collections of old and rare material, as well as problems of its organization, evaluation, description, registration and preservation - understand specificities of description of old and rare material, both manuscript and hand press printed - be competent in searching printed and online catalogues of old and rare material - apply the knowledge of description of old and rare material in the context of new conceptual models - FR family (FRBR, FRAD) - master the description of old and rare material in practice 				

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	All the incoming students	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
	Students of the University of Zadar enrolled at the above department as an elective course	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

Name of the course	<i>Research Methods in Information Sciences (MA/W)</i>			
Name of the teacher	Franjo Pehar, Ph.D., Assistant Professor Mate Juric, Ph.D., postdoctoral researcher			
Number of ECTS credits	6	Semester	<input checked="" type="checkbox"/> autumn/winter	<input type="checkbox"/> spring/summer
Teaching will be organized as	Lectures	<input type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars		Exercises
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		<input type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	In this course students will be introduced to qualitative and quantitative research methods in information science. The course includes developing and writing of a research proposal. Students will be introduced to the range of research questions and issues that arise in the field of information sciences. The goal of this course is to prepare students to become productive members of the information science researcher community.			
Learning outcomes of the course	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Evaluate and apply qualitative and quantitative research methods and theories in information sciences • Address the ethical dimensions associated with approaches to research. • Interpret and evaluate existing research • Apply research to the analysis of professional concerns • Describe how empirical research advances the knowledge base and practice of information sciences • Communicate effectively in writing. • Think critically about research questions. 			
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	
	All the incoming students	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

Name of the course	<i>Introduction to Network Systems and Technologies (BA/S)</i>				
Name of the teacher	Franjo Pehar, Ph.D., Assistant Professor				
Number of ECTS credits	7	Semester	<input type="checkbox"/> autumn/winter	<input checked="" type="checkbox"/> spring/summer	
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
The courses will be organized as	Lectures	Seminars		Exercises	
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
Description of the course	<p>To introduce students to the basics of IT applications in networked environment. Point to the development and widespread use of web technology in academic, social, organisational and business environments. To introduce students to ways of using web technologies in a variety of multicultural and multilingual communities of users, particularly with regard to issues such as the design, implementation and testing of different applications based on the Web, including related software, database, interface and digital media. The seminars aim to discuss various social, ethical and security issues. Special attention will be given to following themes: web technologies; markup languages; hypertext / hypermedia; programming on the client side; programming on the server side; web servers and services; standards and standardization bodies; information architecture; effective communication; interface; navigation schemes; media types; digital media; digital library; media formats; tools for capturing, creating and producing and streaming media; development and production of web sites; database integration etc.</p>				
Learning outcomes of the course	<p>By the end of the course, students should be able to:</p> <ul style="list-style-type: none"> • describe the structure of the World Wide Web as a set of interconnected hypertextual documents, • use different markup languages and tools for creating websites, including • websites hosted on UNIX/Linux web servers, • use and integrate HTML/XHTML/XML syntax in creating and validating web documents, • use presentation technologies like CSS-a (Cascading Style Sheets) • create websites with effective information organizations, • learn basic web design concepts like information architecture, accessibility, usability etc. • describe common tools and techniques for recording digital media and digitizing analog media content • • learn basic server side technologies like JavaScript and AJAX 				
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no			
	All the incoming students	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no			
	Students of the University of Zadar enrolled at the above department as an	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no			

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

	elective course	
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

Name of the course	<i>Database Design (BA/S)</i>		
Name of the teacher	Krešimir Zauder, Ph.D., Assistant Professor		
Number of ECTS credits	6	Semester	<input type="checkbox"/> autumn/winter <input checked="" type="checkbox"/> spring/summer
Teaching will be organized as	Lectures <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars	Exercises
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	<p>The goal of the course is to teach the fundamentals of structuring digital data for long term management and analysis.</p> <p>The central technology for data in this respect in the computer age are the database management systems and specifically the relational model of data. The main part of the course is dedicated to the concepts and practical considerations of the relational model but it also teaches broader subjects to enable students to recognise various data needs as required for different goals and tasks.</p> <p>During the course, students will primarily work with PostgreSQL, MongoDB and SQLite database systems but other software will also be mentioned.</p>		
Learning outcomes of the course	<p>After successfully passing this course, students will:</p> <ul style="list-style-type: none"> • understand the basic principles of organization of structured data in the digital environment • understand several models of data organization as well as the difference between types of databases and appropriate use • be able to design an entity relationship data model • be able to implement a relational database • be able to write SQL queries • be able to implement a document oriented database 		
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
	All the incoming students	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

Name of the course	<i>Human Information Behavior (MA/S)</i>			
Name of the teacher	Ivanka Stričević, Ph.D., Full Professor Mate Juric, Ph.D., postdoctoral researcher Nikolina Peša Pavlović, assistant			
Number of ECTS credits	5	Semester	<input type="checkbox"/> autumn/winter	<input checked="" type="checkbox"/> spring/summer
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars		Exercises
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		<input type="checkbox"/> yes <input type="checkbox"/> no
Description of the course	<p>The content of this course includes:</p> <ul style="list-style-type: none"> • Terminology, approaches and models in Human Information Behaviour (HIB) field • Theoretical framework for understanding of user information needs in various contexts • Typology of information users • Information needs of individuals and groups • Special user needs and information needs and behaviour related to particular contexts • The research results and methodology used in HIB research • Implications of HIB on information services and institutions • Possible application of theories and research results in practice • Participation in group discussions about the HIB related issues • - Presentation of students' drafts of pilot research studies 			
Learning outcomes of the course	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Recognize concepts and approaches in users' information needs and behaviour theories and studies • Use scholarly works in the field and interpret it to identify, describe and explain some models in human information behaviour field • Describe mayor theories of information behaviour and identify leading authors • Explain information needs and behaviour related to particular context of information usage • Recognize and explain characteristics of systems and services based on the concept „meeting user needs “ • Apply knowledge on HIB to the needs of potentially disadvantaged users • Describe and compare information behaviour connected to information institutions with information seeking for everyday life purposes • Apply appropriate methodology in user needs and behaviour studies • Create and apply research instruments for pilot user studies 			
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no		
	All the incoming students	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		
	Students of the University of Zadar enrolled at the above department as an	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

	elective course	
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

Name of the course	<i>Data Mining (MA/S)</i>				
Name of the teacher	Ante Panjkota, Ph.D., Assistant Professor				
Number of ECTS credits	5	Semester	<input type="checkbox"/> autumn/winter	<input checked="" type="checkbox"/> spring/summer	
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
The courses will be organized as	Lectures	Seminars		Exercises	
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
Description of the course	<p>The course serves as an introduction to data mining, related fields (e.g. exploratory data analysis, machine learning and text mining) and the broader field of data science.</p> <p>The goal of the course is to teach basics of “data wrangling” as related to getting the data from various structured and semi-structured sources and later procedures needed for the final goal of data analysis as well as the analytical procedures themselves. The course applies knowledge gained from introduction to programming and database design to practical problems related to exploratory data analysis such as: Where and how to get the data? How to transform the data to the form suitable for analysis? How to prepare and validate the data? How to form questions which the data can answer? How to answer those questions and how to validate the answers?</p> <p>The course is primarily Python based but uses a lot of third party libraries that make this language so popular for data work, such as Numpy, Pandas and Matplotlib.</p>				
Learning outcomes of the course	<p>By the end of the course, students will:</p> <ul style="list-style-type: none"> • understand the problems inherent to data-based research and related fields of data science, data and text mining, exploratory data analysis, complex network analysis and similar • be able to enumerate, define and operationalize basic processes in data-related work: acquiring, storing, transforming, organizing, sharing and migrating, transforming and preparing, analysing and reporting • be able to work with data in common interchange formats (delimited text, XML, JSON) • understand the techniques of exploratory data analysis, data mining and related methodologies (knowledge discovery, information extraction, machine learning) • be able to implement the basic processes in programming language Python 				

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	All the incoming students	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

Name of the course	<i>Digital Humanities (MA/S)</i>			
Name of the teacher	Marijana Tomić, Ph.D., Assistant Professor			
Number of ECTS credits	6	Semester	<input type="checkbox"/> autumn/winter	<input checked="" type="checkbox"/> spring/summer
Teaching will be organized as	Lectures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Consultations	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
The courses will be organized as	Lectures	Seminars	Exercises	
	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	
Description of the course	<p>The content of this course includes:</p> <ul style="list-style-type: none"> • study of basic theoretical literature on digital humanities, its theory and practice • Concept of institutionalization of a new field, digital humanities. • Methodologies of research in digital humanities. • Textual research in digital environment. • Text encoding (TEI) and visual tagging (TILE, DocMark). • Digital palaeography and digital codicology. • Digital archaeology. • Art history in Digital humanities. • Classical philology and Digital humanities. • Visualization of data in humanities. • Data, infrastructure for its re-use in humanities. • Big data in humanities. • Digitization in humanities. • Description of projects conducted in the field of digital humanities <p>Insight at the project of digitization of old and rare material conducted at the Department of information studies Draft proposal of its own project in DH</p>			
Learning outcomes of the course	<p>Students will be able to:</p> <p>After exam, students will be able to understand:</p> <ul style="list-style-type: none"> • theory and practice of digital humanities • methodology of research in humanities based on the principles of information technology • fields of digital humanities (digital palaeography, codicology, art history, archaeology, musicology, etc. • Projects conducted in digital humanities fields 			

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR
2019/2020

	<ul style="list-style-type: none"> ● Comparative advantages of research and presentation of linguistic corpus in digital environment ● Bases of textual editing (TEI, visualization) ● Tools for visual tagging of digitized documents ● Visualization of information 	
The course is offered to	Incoming students who choose the above department as a home department	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	All the incoming students	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	Students of the University of Zadar enrolled at the above department as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
	All the students of the University of Zadar as an elective course	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no