COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2018/2019

Department of Information Sciences at the University of Zadar
Academic Year 2018/2019

List of courses

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2018/2019

Undergraduate and Graduate Courses in English (Academic year 2018/2019 – Winter Semester > October '18 – January '19)

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

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2018/2019

Undergraduate and Graduate Courses in English (Academic year 2018/2019 – Summer Semester > March – June '19)

LECTURERS	COURSE TITLE	SEMESTER WS = winter sem.; SS = summer sem.	ECTS CREDITS	LEVEL OF STUDY
Assist. Prof. Franjo Pehar, Ph.D. Assist. Prof. Mirko Duić, Ph.D.	INTRODUCTION TO NETWORK SYSTEMS AND TECHNOLOGIES	SS	7	BA
Assist. Prof. Krešimir Zauder, Ph.D.	DATABASE DESIGN	SS	6	BA
Assist. Prof. Krešimir Zauder, Ph.D.	DATA MINING	SS	5	MA
Assist. Prof. Marijana Tomić, Ph.D.	DIGITAL HUMANITIES	SS	6	MA
Full Prof. Ivanka Stričević, Ph.D.	HUMAN INFORMATION BEHAVIOR	SS	5	MA
TOTAL ECTS			**29**	

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2018/2019

<table>
<tr><td>Department</td><td colspan="5">Department of Information Sciences at the University of Zadar</td></tr>
<tr><td colspan="6">Description of the courses offered in a foreign language in the academic year 2018/2019</td></tr>
<tr><td>Name of the course</td><td colspan="5">Information Searching (BA/W)</td></tr>
<tr><td>Name of the teacher</td><td colspan="5">Jadranka Stojanovski, Ph.D., Associate professor
Nikolina Peša Pavlović, assistant</td></tr>
<tr><td>Number of ECTS credits</td><td>5</td><td>Semester</td><td>☑ autumn/winter</td><td colspan="2">□ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td colspan="2">Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>□ yes □ no</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="5">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: EBSCO (Academic Search Complete), Web of Science (Web of Science Core Collection, SciVal (Scopus), ect. 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. Additionaly, the methods and criteria for the evaluation of resources (search results) are explained and discussed.</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="5">By the end of the course, students will:
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</td></tr>
<tr><td>The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td colspan="2">☑ yes □ no</td></tr>
</table>

COURSES OFFERED IN A FOREIGN LANGUAGE IN THE ACADEMIC YEAR 2018/2019

<table>
<tr><td rowspan="3"></td><td colspan="3">All the incoming students</td><td>☑ yes □ no</td></tr>
<tr><td colspan="3">Students of the University of Zadar enrolled at the above department as an elective course</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td>□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Introduction to Logic (BA/W)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Josip Ćirić, Ph.D., Associate professor</td></tr>
<tr><td>Number of ECTS credits</td><td>4</td><td>Semester</td><td>☑ autumn/winter</td><td>□ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td>Lectures</td><td>Seminars</td><td colspan="2">Exercises</td></tr>
<tr><td>☑ yes □ no</td><td>□ yes □ no</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">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.</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="4">By the end of course, students are expected to:
• be acquainted with general history of logic;
• be able to read formulas in propositional and predicate calculus;
• use methods of reduction ad absurdum, truth tables, and derivations in propositional calculus;
• use method of truth tables in predicate calculus.</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the incoming students</td><td>☑ yes □ no</td></tr>
<tr><td colspan="3">Students of the University of Zadar enrolled at the above department as an elective course</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td>□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Introduction to Network Systems and Technologies (BA/S)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Franjo Pehar, Ph.D., Assistant Professor</td></tr>
<tr><td>Number of ECTS credits</td><td>7</td><td>Semester</td><td>□ autumn/winter</td><td>☑ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td>Lectures</td><td>Seminars</td><td colspan="2">Exercises</td></tr>
<tr><td>☑ yes □ no</td><td>□ yes □ no</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">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</td></tr>
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<table>
<tr><td></td><td colspan="4">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.</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="4">By the end of the course, students should be able to:
• 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</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td>□ yes □ no</td></tr>
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<tr><td colspan="3">Students of the University of Zadar enrolled at the above department as an elective course</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td>□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Introduction to Programming (BA/W)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Krešimir Zauder, Assistant Professor</td></tr>
<tr><td>Number of ECTS credits</td><td>6</td><td>Semester</td><td>☑ autumn/winter</td><td>□ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td>Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>□ yes □ no</td><td>☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">The goal of the course is to teach fundamental programming skills which are applicable to a wide array of languages and problems.</td></tr>
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<tr><td></td><td colspan="4">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.

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.</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="4">After successfully passing this course, students will:
• 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</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="2">Incoming students who choose the above department as a home department</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td colspan="2">All the incoming students</td><td colspan="2">□ yes □ no</td></tr>
<tr><td colspan="2">Students of the University of Zadar enrolled at the above department as an elective course</td><td colspan="2">□ yes □ no</td></tr>
<tr><td colspan="2">All the students of the University of Zadar as an elective course</td><td colspan="2">□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Database Design (BA/S)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Krešimir Zauder, Ph.D., Assistant Professor</td></tr>
<tr><td>Number of ECTS credits</td><td>6</td><td>Semester</td><td>□ autumn/winter</td><td>☑ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td>Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>□ yes □ no</td><td>☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">The goal of the course is to teach the fundamentals of structuring digital data for long term management and analysis.

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</td></tr>
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<tr><td></td><td colspan="4">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.

During the course, students will primarily work with PostgreSQL, MongoDB and SQLite database systems but other software will also be mentioned.</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="4">After successfully passing this course, students will:
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</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td>☑ yes □ no</td></tr>
<tr><td colspan="3">All the incoming students</td><td>□ yes □ no</td></tr>
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<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td>□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Information Systems in Education (BA/W)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Ivanka Stričević, Ph.D., Full Professor</td></tr>
<tr><td>Number of ECTS credits</td><td>6</td><td>Semester</td><td>☑ autumn/winter</td><td>□ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td>Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>□ yes □ no</td><td>☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">Key terms in pedagogy, didactic and learning strategies
The role of learning in a life-long learning, key competences for life-long learning
Learning strategies in e-environment
Educational communication; types and channels
The role of information sources and services in learning and research
ICT in education in Europe
ICT in formal and non-formal learning; Multimedia in education
Information resources and their usage in instruction and class work
Learning objects; Repositories of learning objects
E-learning; didactic implications of e- learning
The role of information institutions in education and learning</td></tr>
</table>

<table>
<tr><td></td><td colspan="5">• Databases relevant for education; Reference services in education
• ((ERIC, UNESCO IBE Databanks (International Bureau of Education), EURYDICE (Education in Europe Network), OECD Education Database)
• - Educational portals and packages</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="5">Students will be able to:
• define key terms in the field (information systems, learning objects)
• 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 its place in information institutions, and concept of learning for life
• 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
• apply skills in designing educational contents in e-environment
• - understand pedagogical framework of e-learning and apply appropriate strategies</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td colspan="2">□ yes □ no</td></tr>
<tr><td colspan="3">All the incoming students</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td colspan="3">Students of the University of Zadar enrolled at the above department as an elective course</td><td colspan="2">□ yes □ no</td></tr>
<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td colspan="2">□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="5">Library services for children and young adults (BA/W)</td></tr>
<tr><td>Name of the teacher</td><td colspan="5">Ivanka Stričević, Ph.D., Full Professor</td></tr>
<tr><td>Number of ECTS credits</td><td>3</td><td>Semester</td><td>☑ autumn/winter</td><td colspan="2">□ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td colspan="2">☑ yes □ no</td></tr>
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<tr><td colspan="2">☑ yes □ no</td><td>☑ yes □ no</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="5">Students are learning theory and practice of library services for children and young adults (teenagers) according to international and Croatian guidelines.</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="5">After completion, students will be able to:
• 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</td></tr>
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<tr><td></td><td colspan="4">

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

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<tr><td rowspan="4">The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td>☑ yes □ no</td></tr>
<tr><td colspan="3">All the incoming students</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">Students of the University of Zadar enrolled at the above department as an elective course</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td>□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Human Information Behavior (MA/S)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Ivanka Stričević, Ph.D., Full Professor
Mate Juric, Ph.D., postdoctoral researcher
Nikolina Peša Pavlović, assistant</td></tr>
<tr><td>Number of ECTS credits</td><td>5</td><td>Semester</td><td>□ autumn/winter</td><td>☑ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td>Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>☑ yes □ no</td><td>□ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">The content of this course includes:

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

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<tr><td></td><td colspan="4">• 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</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="4">Students will be able to:
• 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</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td>☑ yes □ no</td></tr>
<tr><td colspan="3">All the incoming students</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">Students of the University of Zadar enrolled at the above department as an elective course</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td>□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Data Mining (MA/S)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Krešimir Zauder, Ph.D., Assistant Professor</td></tr>
<tr><td>Number of ECTS credits</td><td>5</td><td>Semester</td><td>□ autumn/winter</td><td>☑ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td>Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>□ yes □ no</td><td>☑ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">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.

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</td></tr>
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<tr><td></td><td colspan="4">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?

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.</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="4">By the end of the course, students will:
• 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</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="2">Incoming students who choose the above department as a home department</td><td colspan="2">☑ yes □ no</td></tr>
<tr><td colspan="2">All the incoming students</td><td colspan="2">□ yes □ no</td></tr>
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<tr><td colspan="2">All the students of the University of Zadar as an elective course</td><td colspan="2">□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Digital Humanities (MA/S)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Marijana Tomić, Ph.D., Assistant Professor</td></tr>
<tr><td>Number of ECTS credits</td><td>6</td><td>Semester</td><td>□ autumn/winter</td><td>☑ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>☑ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td>Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>☑ yes □ no</td><td>□ yes □ no</td></tr>
<tr><td>Description of the course</td><td colspan="4">The content of this course includes:
• study of basic theoretical literature on digital humanities, its theory and practice</td></tr>
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<table>
<tr><td></td><td colspan="4">• 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
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</td></tr>
<tr><td>Learning outcomes of the course</td><td colspan="4">Students will be able to:
After exam, students will be able to understand:
● theory and practice of digital humanities
● methodology of research in humanities based on the principles of information technology
● fields of digitial humanities (digital palaeography, codicology, art history, archaeology, musicology, etc.
● Projects conducted in digital humanities fields
● Comparative advanteges of research and presentation of linguistic corpus in digital environmnet
● Bases of textual editing (TEI, visualization)
● Tools for vizual tagging of digitized documents
● Visualization of information</td></tr>
<tr><td rowspan="4">The course is offered to</td><td colspan="3">Incoming students who choose the above department as a home department</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the incoming students</td><td>☑ yes □ no</td></tr>
<tr><td colspan="3">Students of the University of Zadar enrolled at the above department as an elective course</td><td>□ yes □ no</td></tr>
<tr><td colspan="3">All the students of the University of Zadar as an elective course</td><td>□ yes □ no</td></tr>
<tr><td>Name of the course</td><td colspan="4">Research Methods in Information Sciences (MA/W)</td></tr>
<tr><td>Name of the teacher</td><td colspan="4">Franjo Pehar, Ph.D., Assistant Professor
Mate Juric, Ph.D., postdoctoral researcher</td></tr>
<tr><td>Number of ECTS credits</td><td>6</td><td>Semester</td><td>☑ autumn/winter</td><td>□ spring/summer</td></tr>
<tr><td>Teaching will be organized as</td><td>Lectures</td><td>□ yes □ no</td><td>Consultations</td><td>☑ yes □ no</td></tr>
<tr><td rowspan="2">The courses will be organized as</td><td colspan="2">Lectures</td><td>Seminars</td><td>Exercises</td></tr>
<tr><td colspan="2">☑ yes □ no</td><td>☑ yes □ no</td><td>□ yes □ no</td></tr>
<tr><td>Description of the</td><td colspan="4">In this course students will be introduced to qualitative and quantitative</td></tr>
</table>

course	research methods in information science. The course includes developing and writing of a research proposal. Students will b 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	Students will be able to: • 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	☑ yes □ no
	All the incoming students	□ yes □ no
	Students of the University of Zadar enrolled at the above department as an elective course	□ yes □ no
	All the students of the University of Zadar as an elective course	□ yes □ no