



ART AND RESTORATION DEPARTMENT

COURSE CATALOGUE 2022 / 2023

BACHELOR LEVEL / UNDERGRADUATE

WINTER SEMESTER

COURSE INFORMATION	
Course name	Conservation and restoration of paper I
Semester	Winter
ECTS points	5 ECTS
Course status	Mandatory
Course leader	Tanja Dujaković, mag.art
Department, room no.	University Campus, Branitelja Dubrovnika 41, Dubrovnik, 54
Phone	+385 20 446 019
e-mail	tanja.dujakovic@unidu.hr
COURSE DESCRIPTION	
Course content Students are introduced to conservation-restoration materials (types of paper, adhesives, techniques/media, solutions, chemicals...) and acquire knowledge and skills to recognize basic information about art based on recognizing the causes and types of damage that occur on paper. -Mechanical damage (occurrence, recognition on didactic objects and basic restoration procedures). -Biological damage (occurrence, recognition on didactic objects and basic restoration procedures). -Chemical damage (occurrence, recognition on didactic objects and basic restoration processes).	
Learning outcomes 1. -Enumerate basic information about the object (inventory data). 2. -Identify the causes and types of damage occurring to the object 3. -Search and compare the current condition of the object to similar examples 4. -Identify the cause of damage in relation to the degradation the object is undergoing. 5. -Apply basic conservation and restoration procedures on the object.	
TEACHING MODE	
<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Independent assignments <input checked="" type="checkbox"/> Multimedia and internet <input checked="" type="checkbox"/> Distance learning	<input checked="" type="checkbox"/> Consultations <input checked="" type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Field work <input checked="" type="checkbox"/> Mentoring <input checked="" type="checkbox"/> Exams
EXAMINATION METHOD	
<input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Written <input checked="" type="checkbox"/> Partial exam	Other: Click here to enter text.
READING	
Compulsory reading	
1.	Bendix, Caroline, Damaged books. Preservation Advisory , Centre, 2010.
2.	Gallo F., Biological Factors in Deterioration of Paper, Roma, ICCROM, 1985.
3.	Kristel V. Camp, Damage Atlas for Photographic materials, Analogue objects." CeROArt. Conservation, exp, 2010.
4.	The Book Damage Atlas http://paber.ut.ee/EN/raamatukahjustused/ , , 0.

Optional reading				
LIST OF TOPICS				
No.		Hours		
		L	E	S
1.	Types of paper / adhesives / chemicals /	2	4	0
2.	Causes of damage	2	4	0
3.	Mechanical damage (occurrence, recognition on didactic subjects and basic restoration procedures)	0	5	1
4.	Biological damage (occurrence, recognition in didactic objects and basic restoration procedures)	0	5	1
5.	Chemical damage (occurrence, recognition in didactic objects and basic restoration procedures)	1	5	0
6.	Dry cleaning methods	0	6	0
7.	Wet cleaning methods	0	6	0
8.	Wet cleaning methods	0	6	0
9.	Wet cleaning methods	0	6	0
10.	Filling the missing part- (team work)	0	6	0
11.	Filling the missing part- (team work)	0	6	0
12.	Filling the missing part- (team work)	0	6	0
13.	Strengthening the paper support - (team work)	0	6	0
14.	Strengthening the paper support - (team work)	0	6	0

15.	Strengthening the paper support - (team work)	0	6	0
TOTAL HOURS		5	83	2
OTHER RELEVANT INFORMATION				
<p>The quality of the program, the teaching process, teaching skills and the level of mastery of the material is carried out through written evaluation based on questionnaires and other standardized methods in accordance with the laws of the University of Dubrovnik. Evaluation of professional colleagues. Self-observation, analysis and corrections.</p>				

COURSE INFORMATION	
Course name	Conservation and restoration of paper II
Semester	Winter
ECTS points	5 ECTS
Course status	Mandatory
Course leader	Tanja Dujaković, mag.art
Department, room no.	University Campus, Branitelja Dubrovnika 41, Dubrovnik, 54
Phone	+385 20 446 019
e-mail	tanja.dujakovic@unidu.hr
COURSE DESCRIPTION	
Course content	
<p>Students are introduced to laboratory exercises and basic types of analysis and testing in paper conservation and restoration: -pH analysis, -analysis of fiber origin, -analysis of adhesive types -test of ink solubility -test of paper support thickness -test of paper support permeability ...</p> <p>Preparation of methylcellulose adhesive with different proportions for reinforcement and bonding. Introduction to the ways of reinforcing the paper support (direct/indirect). The importance of conservation-restoration documentation and the types of documentation. Documentation development (each student is required to provide written and photographic documentation of the current condition of the artwork entrusted to them). Simple conservation and restoration work on printing techniques - exercises on didactic objects - paper composition. Recognition of handmade paper in comparison with industrial (observation in transmitted light, observation under the microscope).</p>	
Learning outcomes	
<p>1 -Identify the type of paper support, 2 -Identify the causes and types of damage occurring to the object 3 - Identify the possibility of conducting analysis on works of art to make work proposals for conservation and restoration procedures 4 -Recommend the work proposal for basic conservation and restoration treatments on the work of art, i.e. cultural heritage.</p>	
TEACHING MODE	
<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Independent assignments <input checked="" type="checkbox"/> Multimedia and internet	<input checked="" type="checkbox"/> Consultations <input checked="" type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Field work <input checked="" type="checkbox"/> Mentoring <input checked="" type="checkbox"/> Exams

<input checked="" type="checkbox"/> Distance learning				
EXAMINATION METHOD				
<input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Written <input checked="" type="checkbox"/> Partial exam		Other: Click here to enter text.		
READING				
Compulsory reading				
1.	Isenberg, Irving Harry, Pulp and paper microscopy , Georgia Institute of Technology , 1967			
2.	McBride, Claire, A Pigment Particle & Fiber Atlas for Paper Conservators, , 2009.			
3.	Angelina Barros D'Sa, Lizzie Bone, Rhiannon Clarricoates, Alexandra Gent , Description Contents, Adhesives and Consolidants in Painting Conservation, Archetype Publications, 2012.			
4.	Verheyen, Peter D. , "Basic paper treatments for printed book materials, , 1991.			
5.	Paper treatments – Cool Conservation , http://cool.conservationus.org/search.html?cx=0013 , 0.			
Optional reading				
LIST OF TOPICS				
No.		Hours		
		L	E	S
1.	Introduction to the investigative work	2	4	0
2.	What is the pH value? – Neutralization/deacidification process	0	5	1
3.	Analysis of fiber origin	0	6	0
4.	Analysis of the type of adhesive	0	6	0
5.	Test of ink solubility	0	5	1
6.	Test of the thickness of the paper support	0	6	0
7.	Test of the permeability of the paper support ...	0	6	0
8.	pH test	0	6	0
9.	Documentation of conservation and restoration	0	6	0

10.	conservation- restoration of prints / image examples	0	6	0
11.	Paper composition / types of paper on which graphics are printed	0	6	0
12.	Adhesives based on cellulose ethers and their preparations	0	6	0
13.	Dry cleaning methods	0	6	0
14.	Wet cleaning methods	0	6	0
15.	Filling the missing parts	0	6	0
TOTAL HOURS		5	83	2
OTHER RELEVANT INFORMATION				
<p>The quality of the program, the teaching process, teaching skills and the level of mastery of the material is carried out through written evaluation based on questionnaires and other standardized methods in accordance with the laws of the University of Dubrovnik. Evaluation of professional colleagues. Self-observation, analysis and corrections.</p> <p>Click here to enter text.</p>				

COURSE INFORMATION	
Course name	Conservation and restoration of paper III
Semester	Winter
ECTS points	5 ECTS
Course status	Mandatory
Course leader	Tanja Dujaković, mag.art
Department, room no.	University Campus, Branitelja Dubrovnika 41, Dubrovnik, 54
Phone	+385 20 446 019
e-mail	tanja.dujakovic@unidu.hr
COURSE DESCRIPTION	
Course content In the course, students will apply conservation and restoration procedures on graphics expressed in various techniques. The course is divided into two phases. The first phase involves teamwork on the object while the second phase involves independent work. Both phases include the following procedures: - taking over the object for restoration, - photo documentation; technical and condition report, treatment proposal: -analysis and tests -dry cleaning methods -wet treatments - japanese paper – filling the missing parts –retouching and toning – Mounting and housing	
Learning outcomes 1. -differentiate printed techniques and materials 2. -classify and categorize the types of damages 3. -propose a conservation-restoration procedure or printed objects performed with different techniques considering the results obtained in the research work 4. -evaluate the benefits of teamwork 5. -solve problems relying on recent literature in the field of conservation and restoration 6. -independently perform basic conservation and restoration procedures on printed techniques	
TEACHING MODE	
<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Independent assignments <input checked="" type="checkbox"/> Multimedia and internet <input checked="" type="checkbox"/> Distance learning	<input checked="" type="checkbox"/> Consultations <input checked="" type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Field work <input checked="" type="checkbox"/> Mentoring <input checked="" type="checkbox"/> Exams
EXAMINATION METHOD	
<input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Written <input type="checkbox"/> Partial exam	Other: Click here to enter text.
READING	
Compulsory reading	
1.	Verheyen, Peter D. , Basic paper treatments for printed book materials, , 1991.
2.	James C., Corrigan C., Enshainan M. C., Graca M. R. , Manuale per la conservazione e il restauro di disegni e stampe antichi, Firenze, Leo S. Olschiki, 1991.
3.	Bellucci, Roberto, Gabinetto disegni e stampe degli Uffizi. Restauro e conservazione

4.	James C., Corrigan C., Enshaian M. C., Greca M. R. , Old Master pprints and drawings a Guide to Preservation ana Conservation, , Amsterdam, Amsterdam University Press, 1997.			
Optional reading				
LIST OF TOPICS				
No.		Hours		
		L	E	S
1.	Graphic techniques / recognition	2	4	1
2.	Investigative documentation - historical and artistic	1	5	0
3.	Dry cleaning methods- (team work)	0	6	0
4.	Wet cleaning methods- (team work)	0	6	0
5.	Neutralization procedure - (team work)	0	6	0
6.	Strengthening the paper support - (team work)	0	6	0
7.	Filling the missing part- (team work)	0	6	0
8.	Investigative documentation - current situation and analysis (independently)	0	5	0
9.	Dry cleaning methods- (independently)	0	6	0
10.	Wet cleaning methods- (independently)	0	6	0
11.	Neutralization procedure - (independently)	0	6	1
12.	Filling the missing part	0	6	0
13.	Strengthening the paper support –(independently)	0	6	0

14.	Retouch- (team work and independently)	2	4	0
15.	Mounting and housing - (independently)	0	5	0
TOTAL HOURS		5	83	2
OTHER RELEVANT INFORMATION				
<p>The quality of the program, the teaching process, teaching skills and the level of mastery of the material is carried out through written evaluation based on questionnaires and other standardized methods in accordance with the laws of the University of Dubrovnik. Evaluation of professional colleagues. Self-observation, analysis and corrections.</p>				

COURSE INFORMATION	
Course name	Italian language I/1
Semester	Winter
ECTS points	2
Course status	Compulsory
Course leader	dr.sc. Zrinka Režić Tolj, senior lecturer
Department, room no.	Kampus – 128
Phone	446 048
e-mail	zrinka.rezic@unidu.hr
Course assistant/associate	Click here to enter text.
Department, room no.	Click here to enter text.
Phone	Click here to enter text.
e-mail	Click here to enter text.
COURSE DESCRIPTION	
Course content	
<p>Campus Italia</p> <p>Per iniziare - saluti: formali ed informali. Alfabeto italiano. 1.</p> <p>Cosa studi? - Identificazione personale: provenienza, nazionalità, residenza, indirizzo, età. Azioni quotidiane. Presente. Articolo indeterminativo. Frase affermativa, negativa ed interrogativa.</p> <p>Restauro. 2. A tavola - Comunicazione nel ristorante, alimentazione. Azioni quotidiane. Esprimere un'opinione. Articolo determinativo e partitivo. Numeri. C'è e ci sono. Verbi in –isc. Si impersonale. Utensili per il restauro.</p> <p>3. Vita quotidiana - Abitudini, azioni quotidiane. Lavoro e professioni. Indicazioni stradali. Presente dei verbi modali, particolari ed irregolari. Avverbi di frequenza. Restauratore.</p>	
Learning outcomes	
<p>Upon successfully completing the Italian language I/1 course students are able to:</p> <ul style="list-style-type: none"> ▪ understand basic texts ▪ accomplish basic (oral and written) communication (greetings, introductions, everyday activities, food, work and sim.) ▪ define restoration and the profession of the restorator/conservator ▪ specify general professional terminology (tools) <p>The learning outcome defines, according to the <i>Common European Framework of Reference for Languages</i>, the achievement of skills and competencies of the Italian language on level A1.</p> <p>Understanding / Listening A1</p> <p>Students are able to understand familiar words and basic phrases concerning themselves, their family and immediate surroundings, if people speak clearly and slowly.</p> <p>Reading A1</p> <p>Students are able to understand familiar names, words and simple sentences, ie. public announcements, advertisements, posters and catalogues.</p> <p>Spoken interaction A1</p>	

Students are able to communicate in a basic way implying the other person is willing to repeat or rephrase things and help formulate what the student is trying to say. Students are able to ask and answer simple questions concerning areas of immediate need or familiar topics.

Spoken production A1

Students are able to use simple phrases and sentences to describe where they live and to describe people they know.

Writing A1

Students are able to write a short, simple postcard. Students can fill in forms with personal detail.

TEACHING MODE				
X Lectures <input type="checkbox"/> Seminars and workshops X Exercises X Independent assignments X Multimedia and internet X Distance learning		X Consultations <input type="checkbox"/> Laboratory <input type="checkbox"/> Field work <input type="checkbox"/> Mentoring X Exams		
EXAMINATION METHOD				
X Oral X Written X Partial exam		Other: Click here to enter text.		
READING				
Compulsory reading				
5.	Errico,R., Esposito, M. A., Grandi, N., Campus Italia 1, Guerra edizioni, Perugia, 2008.			
6.	http://www.antaesrestauro.it			
7.	Manella,C., Ecco! Grammatica italiana, Progetto lingua, Firenze, 1998.-2000.			
8.	Spikic, A., Dizionario compatto Croato-Italiano / Italiano-Croato, Zanichelli, 2001.			
9.	Click here to enter text.			
Optional reading				
1.	http://www.bioforme.org/blog/utensili-per-lavorare-il-legno/			
2.	Various interactive, educational (audiovisual) content, as well as authentic professional material (created by native speakers and restorators) available online by choice of the lector.			
3.	Click here to enter text.			
4.	Click here to enter text.			
5.	Click here to enter text.			
LIST OF TOPICS				
No.		Hours		
		L	E	S
16.	Presentazione del corso e del web corso (su Merlin). Regole in generale (diritti e doveri). Valutazione. Campus Italia - Per iniziare: Lingua in generale. Saluti: formali ed informali.	1	1	
17.	Per iniziare - Alfabeto italiano. U1 - Cosa studi? - Identificazione personale: provenienza, nazionalità, età. Verbi ausiliari: essere e avere. Restauro.	1	1	

18.	U1 - Cosa studi? - Identificazione personale: nazionalità, residenza, indirizzo. Azioni quotidiane. Presente dei verbi regolari. Frase affermativa, negativa ed interrogativa.	1	1	
19.	U1 - Cosa studi? - Articolo in generale. Articolo indeterminativo.	1	1	
20.	U2 - A tavola - Comunicazione nel ristorante. Esprimere un'opinione. Articolo determinativo.	1	1	
21.	U2 - A tavola - Alimentazione. Azioni quotidiane. Articolo partitivo. Numeri. Esserci: C'è e ci sono.	1	1	
22.	U2 - A tavola - Azioni quotidiane. Articoli. Verbi in –isc. Preparazione per il colloquio	1	1	
23.	Il primo colloquio.	1	1	
24.	Commento del colloquio. Professioni in generale. Restauratore.	1	1	
25.	U3 - Vita quotidiana – Abitudini. Avverbi di frequenza	1	1	
26.	U3 - Vita quotidiana - Azioni quotidiane. Presente dei verbi particolari.	1	1	
27.	U3 - Vita quotidiana - Presente dei verbi modali ed irregolari. Utensili per il restauro.	1	1	
28.	U3 - Vita quotidiana - Indicazioni stradali. Presente dei verbi modali. Avverbi di luogo.	1	1	
29.	Utensili per il restauro. Ripetizione e preparazione per il colloquio.	1	1	
30.	Il secondo colloquio.	1	1	
TOTAL HOURS		15	15	
OTHER RELEVANT INFORMATION				
Click here to enter text.				

COURSE INFORMATION	
Course name	Physical and health education
Semester	Winter and Summer
ECTS points	1
Course status	Compulsory
Course leader	Asst. prof. Aleksandar Selmanović, PhD
Department, room no.	B29, Čira Carića 4
Phone	020445737
e-mail	sasa.selmanovic@unidu.hr
Course assistant/associate	Dean Kontić, PhD, Đivo Ban, prof.
Department, room no.	B29, Čira Carića 4
Phone	020445737
e-mail	dkontic11@hotmail.com , djivo.ban@du.t-com.hr
COURSE DESCRIPTION	
Course content Maintaining and upgrading students' health status by regular practice of kinesiology activities. Students fulfill course obligations through regular participation in physical activities and supplementary forms of instruction (theoretical lectures, seminars). The course includes a curriculum of 14 physical activities that students voluntarily select. The activities are: futsal, basketball, volleyball, table tennis, badminton, floorball, swimming, rowing, jogging, hiking, streetworkout, aerobics, fitness (weight room) and fitness exercises for beginners.	
Learning outcomes Positive influence on students' anthropological characteristics of the students (motor and functional abilities, anthropometric characteristics). Application of the acquired knowledge and developed skills in everyday life and in urgent situations. Long term - creating awareness of fitness, lasting habits and the need to participate in regular kinesiological activities in order to enhance ability to overcome future sedentary and heavy professional workload, retain fit body and protect it from physical traumas. Short term – aid and support in overcoming the student's intellectual struggles.	
TEACHING MODE	
<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Independent assignments <input type="checkbox"/> Multimedia and internet <input type="checkbox"/> Distance learning	<input checked="" type="checkbox"/> Consultations <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Field work <input type="checkbox"/> Mentoring <input type="checkbox"/> Exams
EXAMINATION METHOD	
<input type="checkbox"/> Oral <input type="checkbox"/> Written <input type="checkbox"/> Partial exam	Other: Evaluation of participation in activities
READING	
Compulsory reading	
Optional reading	

1.	Hoffman, S. (2013) Introduction to Kinesiology With Web Study Guide-4th Edition. Studying Physical Activity. Book with online resource ISBN-13: 9781450434324			
2.	Nutrition and Diet Therapy (2000), Mahan LK, Escott-Stump S., ured., 10 izd. Saunders Company, Philadelphia			
LIST OF TOPICS				
No.		Hours		
		L	E	S
1.	Basketball - elective kinesiology activity	0	2	0
2.	Football - elective kinesiology activity	0	2	0
3.	Aerobics - elective kinesiology activity	0	2	0
4.	Fitness - elective kinesiology activity	0	2	0
5.	Volleyball - elective kinesiology activity	0	2	0
6.	Swimming - elective kinesiology activity	0	2	0
7.	Rowing - elective kinesiology activity	0	2	0
8.	Badminton - elective kinesiology activity	0	2	0
9.	Table tennis - elective kinesiology activity	0	2	0
10.	Hiking - elective kinesiology activity	0	2	0
11.	Outdoor activities - elective kinesiology activity	0	2	0
12.	Proper nutrition - theoretical lecture	0	2	0
13.	Prevention of obesity - theoretical lecture	0	2	0

14.	Prevention of various forms of addiction - theoretical lecture	0	2	0
15.	Mental health and stress prevention - theoretical lecture	0	2	0
TOTAL HOURS				
OTHER RELEVANT INFORMATION				
<p>Each kinesiology activity contains a specific curriculum.</p> <p>Participation in extracurricular activities according to prior notice.</p>				

COURSE INFORMATION	
Course name	GENERAL AND INORGANIC CHEMISTRY I
Semester	Winter
ECTS points	4
Course status	Compulsory
Course leader	Associate professor Lucia Emanuele, PhD
Department, room no.	Kampus, 67
Phone	020 446034
e-mail	lucia.emanuele@unidu.hr
COURSE DESCRIPTION	
Course content Substances, pure substance and mixtures. Aggregate states and phase transitions. Atoms and molecules, relative atomic mass and relative molecular mass (solving stoichiometric problems). Moles and Avogadro's number (solving stoichiometric problems). Chemical compounds formula: empirical and molecular formula (solving stoichiometric problems.) The structure of the atom. Types of orbitals. Electron Configurations: Aufbau's Principle, Pauli's Principle, Hund's Rule. Periodic Table of Elements. Chemical bonds and intermolecular forces. Lewis' model of covalent bonds (examples: writing Lewis' structural formulas). Solutions, quantitative measurement of solution composition and dilution of solutions (solving stoichiometric problems). Gaseous aggregate state and gas laws (calculation examples). Chemical reactions and relevant reactants. Rates of chemical processes. Chemical equilibrium and constant of equilibrium.	
Learning outcomes 1. To define and describe basic chemical concepts, 2. to describe and explain the structure of atoms and molecules, 3. to assess the differences between gases, solutions and solids, 4. to distinguish between types of chemical bonds 5. to distinguish between types of chemical reactions, 6. to describe and explain the rate of chemical reaction, 7. to define the concept of chemical equilibrium, 8. to solve stoichiometric problems 9. to acquire basic knowledge of chemistry required to follow all other chemistry courses	
TEACHING MODE	
<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> Exercises <input type="checkbox"/> Independent assignments <input checked="" type="checkbox"/> Multimedia and internet <input checked="" type="checkbox"/> Distance learning	<input checked="" type="checkbox"/> Consultations <input type="checkbox"/> Laboratory <input type="checkbox"/> Field work <input type="checkbox"/> Mentoring <input checked="" type="checkbox"/> Exams
EXAMINATION METHOD	
<input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Written <input checked="" type="checkbox"/> Partial exam	Other: Students who successfully pass partial exams they are exempt from the written examination
READING	
Compulsory reading	
1.	Mahan, Myers, University Chemistry, Pearson India, 2009.
	Click here to enter text.
Optional reading	
1.	Click here to enter text.

LIST OF TOPICS				
No.		Hours		
		L	E	S
1.	Substances, pure substance and mixtures. Aggregate states and phase transitions	2	1	
2.	Atoms and molecules, relative atomic mass and relative molecular mass	2	1	
3.	Moles and Avogadro's number	2	1	
4.	Chemical compounds formula: empirical and molecular formula.	2	1	
5.	The structure of the atom. Types of orbitals. Electron Configurations: Aufbau's Principle, Pauli's Principle, Hund's Rule.	2	1	
6.	Periodic Table of Elements.	2	1	
7.	Chemical bonds and intermolecular forces	2	1	
8.	Lewis model of covalent bonds.	2	1	
9.	Lewis model of covalent bonds.	2	1	
10.	Solutions, quantitative measurement of solution composition	2	1	
11.	Dilution of solutions	2	1	
12.	Gaseous aggregate state and gas laws	2	1	
13.	Gaseous aggregate state and gas laws	2	1	
14.	Chemical reactions and relevant reactants.	2	1	

15.	Chemical equilibrium and constant of equilibrium	2	1	
TOTAL HOURS		30	15	
OTHER RELEVANT INFORMATION				
<p>The quality of the program, teaching process, teaching skills and level of mastery of the material will be determined by conducting a written evaluation based on questionnaires and other standardized ways and in accordance with the acts of the University of Dubrovnik. Evaluation of colleagues in the profession. Self-observation, analysis and corrections.</p>				

COURSE INFORMATION				
Course name	GENERAL AND INORGANIC CHEMISTRY I			
Course name	Fundamentals of Organic Chemistry I			
Semester	Winter			
ECTS points	3			
Course status	Compulsory			
Course leader	Associate professor Lucia Emanuele, PhD			
Department, room no.	Kampus, 67			
Phone	020 446034			
e-mail	lucia.emanuele@unidu.hr			
COURSE DESCRIPTION				
Course content <p>Chemical bond in organic compounds. Overview of hydrocarbons and functional groups. Organic compounds nomenclature. Types of reaction of organic compounds. Alkanes and cycloalkanes. Alkenes and alkynes. Addition reactions of alkenes and alkynes. Alcohols. Ethers. Amines. Aromatic compounds. Reactions of aromatic compounds: mechanism of electrophilic aromatic substitution. Carbonyl compounds and carbonyl addition reactions.</p>				
Learning outcomes <ol style="list-style-type: none"> 1. To describe the molecular structure, differentiate the orbital hybridization (of carbon), refer characteristics of a single, double and triple bond. 2. To name the types of organic compounds. 3. To draw an appropriate structural formula based on the name 4. To recognize properties, preparation and reactivity of organic compounds. 				
TEACHING MODE				
<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> Exercises <input type="checkbox"/> Independent assignments <input checked="" type="checkbox"/> Multimedia and internet <input type="checkbox"/> Distance learning		<input checked="" type="checkbox"/> Consultations <input type="checkbox"/> Laboratory <input type="checkbox"/> Field work <input type="checkbox"/> Mentoring <input checked="" type="checkbox"/> Exams		
EXAMINATION METHOD				
<input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Written <input checked="" type="checkbox"/> Partial exam		Other: Click here to enter text.		
READING				
Compulsory reading				
1.	Marc Loudon, G. Organic Chemistr, Oxford University Press, Inc, 2002.			
Optional reading				
1.	Click here to enter text.			
LIST OF TOPICS				
No.		Hours		
		L	E	S

1.	Chemical bond in organic compounds. Overview of hydrocarbons and functional groups	2		
2.	Alkanes and cycloalkanes: nomenclature and structure	2		
3.	Alkanes and cycloalkanes: reactivity	2		
4.	Alkyl Halides	2		
5.	Alkenes: nomenclature and structure	2		
6.	Alkynes: nomenclature and structure	2		
7.	Addition reactions of alkenes and alkynes	2		
8.	Alcohols: nomenclature and structure	2		
9.	Alcohols: reactivity	2		
10.	Ethers.	2		
11.	Amines	2		
12.	Aromatic compounds: nomenclature and structure	2		
13.	Mechanism of electrophilic aromatic substitution	2		
14.	Mechanism of electrophilic aromatic substitution	2		
15.	Carbonyl compounds and carbonyl addition reactions	2		
TOTAL HOURS		30		
OTHER RELEVANT INFORMATION				

The quality of the program, teaching process, teaching skills and level of mastery of the material will be determined by conducting a written evaluation based on questionnaires and other standardized ways and in accordance with the acts of the University of Dubrovnik. Evaluation of colleagues in the profession. Self-observation, analysis and corrections.

SUMMER SEMESTER

COURSE INFORMATION

Course name	Economics of Culture
Semester	<u>Summer</u>
ECTS points	3
Course status	Compulsory
Course leader	Iris Mihajlović, PhD Associate Professor
Department, room no.	EK 11
Phone	020/ 445930
e-mail	iris.mihajlovic@unidu.hr
COURSE DESCRIPTION	
Course content	
<p>1.Introduction Term of economics of culture, cultural heritage and creative industry, cultural entrepreneurship, cultural management, creative cities. 2..Cultural product/service• 3.Financing of cultural produ 4..Breeding of cultural products 5. 5.Marketing in culture• 6. Defining proces of cultural products 7. Audience development• 8. Management of human resources 9.Presentation and interpretation• 10..Creativity in creating of products of economics of culture</p> <p>The objective of the course is to introduce the students on core terms that make economics of culture ((cultural/creative industries, cultural entrepreneurship; cultural management, creative cities) and to be able to develop abilities of cultural rethinking with an emphasis on- public social resource . Special tasks of the course</p> <p>- introduce the whole process of creating, management of products in economics of culture, using new techniques of cultural entrepreneurship and management that have the inter-sectoral approach.</p>	
Learning outcomes	
<p>Learning outcomes that are achieved are related to the abilities of students as following: to define the term of economics of culture; to define and distinguish cultural and creative industries; to define terms of cultural entrepreneurship and cultural management; to describe main features of business in particular cultural/creative industries with an emphasis on the modalities of undertaken activities in projects of economics of culture; to explain the term of the ; to describe and to know the manner of applying the economics of culture in urban regeneration i.e. urban and regional development; to know how to create cultural product/service; to know how to finance the cultural product/service; to understand the branding procedure of cultural products/services; to know how to create marketing plan for the cultural product/service; to understand the mechanism of audience development; to know how to define the needed human resources for the cultural economics project; to define adequate presentation and interpretation of cultural products.</p>	
TEACHING MODE	
<input checked="" type="checkbox"/> Lectures <input checked="" type="checkbox"/> Seminars and workshops <input checked="" type="checkbox"/> Exercises	<input checked="" type="checkbox"/> Consultations <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Field work

<input checked="" type="checkbox"/> Independent assignments <input checked="" type="checkbox"/> Multimedia and internet <input checked="" type="checkbox"/> Distance learning		<input type="checkbox"/> Mentoring <input checked="" type="checkbox"/> Exams		
EXAMINATION METHOD				
<input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Written <input checked="" type="checkbox"/> Partial exam		Other: Click here to enter text.		
READING				
Compulsory reading				
1.	Towse, R. (2010). Creativity, Copyright and the Creative Industries Paradigm, KYKLOS, International Review for Social Sciences, https://doi.org/10.1111/j.1467-6435.2010.00483.x			
2.	Towse, R. (2013). A Textbook of Cultural Economics, Cambridge University Press, UK.			
3.	Towse, R. (2014). Advanced Introduction to Cultural Economics, Edward Elgar Publishing, ISBN 9781781954911			
4.	Throsby, David (2010). The Economics of Cultural Policy. Cambridge University Press			
5.	Misiura, S., (2006), Heritage Marketing, Oxford, Butterworth-Heineman.			
Optional reading				
1.	Lerenzini European, F. (2011). Intangible Cultural Heritage: The Living Culture of Peoples, Journal of International Law, Volume 22, Issue 1, February 2011, Pages 101–120.			
2.	McLuham, M.. (2008). Razumijevanje medija, Golden marketing- Tehnička knjiga, Zagreb,			
3.	Flew, T. (2012). The Creative Industries, Culture and Policy, Sage Publishing, London, N. Y.			
4.	Florida, Richard (2002). The Rise of the Creative Class. Basic Books.			
LIST OF TOPICS				
No.		Hours		
		L	E	S
1.	Introductory lecture	2	1	0
2.	Interpretation of culture. Social and economic interdependences of culture. Term of economics of culture, cultural heritage and creative industry, cultural entrepreneurship Term of economics of culture, cultural heritage and creative industry, cultural entrepreneurship, cultural management and creative cities.	2	1	0
3.	Cultural products/services. Terminological distinction of heritage resources as the base of the culture. Development of Products, space as the platform and the role of stakeholders in managing the space as the main market business unit.	2	1	0

4.	Financing of the cultural product/service.	2	1	0
5.	Marketing in culture. Defininf the prices of the cultural products. Emerging demand and the audience development.	2	1	0
6.	Human resource management.	2	1	0
7.	Presentation and interpretation.	2	1	0
8.	Development of the product.. the space as the platform and the role of stakeholders in destination management as the main market business unit. Brending of cultural products. Creative cultural induatries and trends.	2	1	0
9.	Brand design as prerequisite of supstitution of products; networking through products; partnerships and identity. Audio – visual techniques; innovative tools and media in transmission of values	2	1	0
10.	Consumption, participation in buying, increasing demand for cultural products and sevicees. Effects and events analogue to the expected cultural values. Acculturation and commercialization.	2	1	0
TOTAL HOURS		20	10	0
OTHER RELEVANT INFORMATION				
<p>Quality of the program, teaching process, acquainted knowledge and stuent skills will be assessed through the technique of written evaluation based on surveys and other standardized ways in accordance with the acts of University of Dubrovnik (student quality surveys on the quality of teaching activities, self-analysis of lecturers), compliant with Guidelines and standards for quality assurance in European Higher Education Area with requirements of the norme ISO 9001.</p>				

COURSE INFORMATION	
Course name	Garden Art, Protection and Restoration
Semester	Spring
ECTS points	3
Course status	Elective
Course leader	Mara Maric
Department, room no.	Department for Mediterranean Plants
Phone	020 332423
e-mail	mara.maric@unidu.hr
COURSE DESCRIPTION	
Course content	
<p>The content of the course is divided into three parts. The first part explains the basic concepts necessary for following the course: landscape, historical garden, park, cultural landscape, cultivated landscape, garden and architectural elements of the garden. The subject of course is positioned within the discipline of landscape architecture and specifies what distinguishes it from the discipline of landscape planning, gardening and horticulture. The subject of study, with regard to interdisciplinarity, is positioned in relation to architecture, archeology, art history, urbanism, cultural geography.</p> <p>In the second part, a historical overview of the most prominent stylistic epochs in the design of gardens is presented, with a special emphasis on Croatian achievements and their comparison with European and world examples of garden art. Through stylistic periodization, the most important achievements in the field of garden art are studied and analyzed through artistic and aesthetic discourse, from a cultural starting point and views of aesthetics and fine art.</p> <p>In the third part, students are introduced to the theoretical framework, the European legislative framework and methodology of protection and restoration of historic gardens. These settings are presented through Croatian and European examples. Through concrete examples of documentation for the restoration of historic gardens and landscapes, students are introduced to the applied part of the implementation of protection and restoration. The aim is to show the general principles of restoration on the examples of garden heritage restoration, which guide the active approach to heritage restoration in general. In this section, a number of examples of good practice and innovative projects for the protection and preservation and promotion of cultural goods are presented.</p> <p>Through seminar papers, a number of selected renovated gardens will be discussed, and the coursework will be directed towards student research.</p>	
Learning outcomes	
<p>Cognitive knowledge of the terms shaped garden, historic garden, landscape architecture, horticulture, protection and restoration of a historic garden is acquired. Knowledge of the stylistic features of historic gardens as well as the basic methods of restoring a historic garden are acquired.</p> <p>Intellectual abilities imply the adoption of students' ability to "read" and analyze the stylistic features of shaped gardens, their historical, aesthetic, artistic, biological and cultural significance in different time periods. Students will be able to compare Croatian achievements in the field of landscape architecture with European and world gardens from the same epochs and notice comparative differences and advantages.</p> <p>This contributes to the development of important skills necessary for independent work after graduation - critical evaluation and creative thinking in the approach to solving new and complex problems, connecting knowledge from individual areas under new conditions.</p> <p>The development of social skills is based on the practical part of teaching, i.e. presentations and visual presentations of their own seminar papers. This is based on field analyses of selected examples and searches of literature and other sources of information.</p> <p>Through the presentation of seminar papers, students develop the skills of visual expression, public speaking and presentation skills.</p>	
TEACHING MODE	
<input checked="" type="checkbox"/> Lectures	<input checked="" type="checkbox"/> Consultations

<input checked="" type="checkbox"/> Seminars and workshops <input type="checkbox"/> Exercises <input type="checkbox"/> Independent assignments <input checked="" type="checkbox"/> Multimedia and internet <input checked="" type="checkbox"/> Distance learning		<input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Field work <input checked="" type="checkbox"/> Mentoring <input checked="" type="checkbox"/> Exams		
EXAMINATION METHOD				
<input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Written <input type="checkbox"/> Partial exam		Other: Click here to enter text.		
READING				
Compulsory reading				
1.	Ogrin, D. (1993) <i>The World Heritage of Gardens</i> , London: Thames & Hudson			
2.	Obad Šćitaroci, M., Bojanić Obad Šćitaroci, B. & Mrđa, A. (Eds.) (2019) <i>Cultural Urban Heritage - Development, Learning and Landscape Strategies</i> . Switzerland, Springer DOI:10.1007/978-3-030-10612-6.			
Optional reading				
1.	<i>Grujić, N. (2003) The villa of Dubrovnik, Zagreb: FAB.</i>			
2.	Marić, M. & Obad Šćitaroci, M. (2018) Gardens of the Mexican Emperor Ferdinand Maximilian Joseph I of Habsburg on the Island of Lokrum near Dubrovnik—accomplished ideas and projects. <i>Studies in the history of gardens & designed landscapes</i> , 39 (4), 332-350 DOI:10.1080/14601176.2018.1546489.			
LIST OF TOPICS				
No.		Hours		
		L	E	S
1.	Introductory lecture - course content, obligations, literature	2		
2.	Ancient parks – Roman culture	2		
3.	Islamic garden tradition	2		
4.	Medieval gardens	2		
5.	Italian Renaissance garden	2		
6.	Water culture in Renaissance Dubrovnik	2		
7.	Dubrovnik Renaissance garden	2		

8.	Summer houses of the Dubrovnik area	2		
9.	Agricultural landscapes of the Mediterranean	2		
10.	French Baroque park	2		
11.	18th and 19th century garden art	2		
12.	Garden art of the 20th and 21st century	2		
13.	Protection and restoration of garden heritage I	2		
14.	Protection and restoration of garden heritage II	2		
15.	Protection and restoration of garden heritage III	2		
TOTAL HOURS		30		
OTHER RELEVANT INFORMATION				
Click here to enter text.				