Integrated University Study of Conservation - Restoration

1st SEMESTER

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| **COURSE TITLE** | **Introduction to Specializations I**  **STONE** | | | | | | | | | | | | |
| **Code** | | UAR003 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction and acquisition of basic concepts and knowledge in the field of types and conservation and restoration of stone, | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) identify and interpret the historical development of stone in construction and sculpture, the use of stone in the past  2) recognize methods and principles of executing restoration works through history and compare them to contemporary methods  3) be introduced to contemporary methods of conservation considering the different geological types of rocks  4) identify traces of tools processing on a stone given historical and contemporary methods of harvesting stone | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  MURAL PAINTING AND MOSAICS. | | | | | | | | | | | | |
| **Code** | | UAR UAR004  ISVU 101065 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Branko Matulić, Ph.D. | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 0 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of basic facts related to historical, art-historical, civilization-cultural, and in particular artistic handicraft, that is, technical-technological and vocational paths of development, scope and meaning of mural painting and mosaics in space and time, and in the narrow sense the application of such knowledge to their conservation and protection | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) identify, specify and interpret the basic concepts related to historical and artistic development and meaning of mural painting and mosaics,  2) identify and explain the basic ethical and professional principles and basic procedures of conservation-restoration of mural painting and mosaics,  3) developed visual perception in recognizing different expressive forms of art of mural painting and mosaics at technological and the level of content,  4) awareness of the need of constant care, preservation and restoration of artistic heritage mural painting and mosaics. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  EASEL PAINTINGS AND POLYCROME WOOD | | | | | | | | | | | | |
| **Code** | |  | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Sagita Mirjam Sunara, Assistant Professor | | | ECTS value | | | |  | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | |  | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | To be acquainted to construction materials and technology of creating easel paintings and polychrome wooden sculptures; understand their stratigraphy. Learn the terms used to describe the existing situation and technology of creating easel paintings and polychrome wooden sculptures; understand their stratigraphy. Acquire knowledge of non-destructive techniques of examining works of art. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Explain how easel painting and polychrome wooden sculpture are constructed;  2. Recognize construction materials of paintings and sculptures;  3. Recognize painting techniques  4. Connect visible damage to the causes of deterioration of paintings and sculptures;  5. Explain the mechanisms of deterioration of paintings and sculptures;  6. Estimate which examining technique should be applied to a work of art. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  **METAL** | | | | | | | | | | | | |
| **Code** | | UAR006 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to area of work of conservators-restorers of metal and the basics of conservation of cultural assets made from metal through international documents on ethical principles of conservation - restoration. Acquiring knowledge on cultural significance of precious metals (gold, silver, platinum and copper), historical overview of their use and production technology which forms the basis of introduction to the specialization in conservation-restoration of precious metals. Identifying different types of damage to precious metals | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Recognize and interpret the historical development and the use of metal  2. Recognize methods and principles of executing restoration works through history and compare them to contemporary methods  3. Knowledge of cultural meaning of precious metals (gold, silver, platinum and copper).  4. Identifying different types of damage to precious metals | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  ARCHEOLOGIC HERITAGE | | | | | | | | | | | | |
| **Code** | | UAR007 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Joška-Tea Katunarić  Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 25% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to the basic concepts in the field of conservation and restoration. Definition of conservator and restorer of archaeological heritage activity . Overview of the development of conservation and restoration of archaeological heritage in Croatia and worldwide . Introduction to basic concepts in the field of archaeological heritage: the concept of archaeology, its activity and development in Croatia and worldwide, methods of archaeological research and the overall archaeological heritage. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Define fundamental concepts of conservation activity,  2. Connect previously acquired knowledge to a newly acquired one on a particular topic related to the course content,  3. Explain the principles of conservation and restoration of archaeological heritage in a meaningful way.  4. Compare and discuss the specificities of methods and principles of conservation and restoration of archaeological heritage in Croatia and worldwide . | | | | | | | | | | | |
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| **COURSE TITLE** | **Art History 1** | | | | | | | | | | | | |
| **Code** | | UAP00T | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Ita Praničević Borovac, Ph.D., Senior lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of knowledge of the works of art created in Ancient History in European, Mediterranean and Croatian territory . Encouraging students to a critical curiosity aimed at works of architecture and art from Ancient History. Introduction to the way of searching, selecting, and using professional literature.. Training students to follow lectures in Art History II, and other related courses. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After having passed this exam, the students will be able to:  1. Explain the occurrence and define the main characteristics of works of art from the Palaeolithic to the classical Rome  2. interpret the order of appearance of creative and technical innovation both in history of architecture and urban planning and in the field creating sculptural and painting works and objects of artistic craft  3. explain the movement of ideas and mutual influences of contemporary or successive cultures  4. govern the basic concepts and terms from the matter dealt with at the course  independently use professional literature | | | | | | | | | | | |
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| **COURSE TITLE** | **General Chemistry** | | | | | | | | | | | | |
| **Code** | | PMC219  (100593) | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Renata Odžak, Ph.D., Assist.Prof. | | | ECTS value | | | | 3 | | | | |
| Associates | | Irena Kodžoman, MSc. | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | | 15 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 10% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Students will be introduced to the structure of atom, the nature of chemical bonds, basics of chemical calculations and the stoichiometry of chemical reactions. On the basis of general chemical principles, the students will be able to understand the chemical changes and understand the properties of matter on the basis of chemical bond. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:   * Identify and explain the basic concepts related to structure of atom and basic concepts in chemistry. * Demonstrate all types chemical reactions (redox, soluble, equilibria, acid - base , neutralization reactions, hydrolysis * interpret and explain the formation of any kind of bond in a compound * identify physical properties of the corresponding compounds based on the bonds within them * predict the products of chemical reactions and the effect of different factors to the their speed * explain various impact to the shift of chemical equilibrium * distinguish galvanic from electrolysis cell and write appropriate reactions * apply acquired concepts and laws through laboratory practice | | | | | | | | | | | |
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| **COURSE TITLE** | **Drawing after Observing I** | | | | | | | | | | | | |
| **Code** | | UAR UAR00C | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 5% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The objective of the course is:  To become aware of observation as structured perception of space, and organize construction of a drawing as systematized composition of visual elements through the practice of drawing by observing (a template in space) Given the small number of students, the emphasis is on individual approach, therefore the object of the course is, along with setting general theoretical framework and teaching practical drawing procedures, and educational work with individuals, to develop personal competences optimally, while respecting the individual differences, .  1. Teach students to analyse and structure their own perception so that they systematically observe more complex (spatial) units and volumes through simpler (geometric) forms; regular bodies and shapes extending along with basic compositional lines (axes). Shapes are defined by surfaces (of a reduced) number of tones. Complexity is a structured simplicity, not chaos. Draw with a sense of ease and not be bothered by the details, build the whole, and visual relationships within the whole.  2. Clearly define procedures in the construction of the drawing composition - a clear sequence of steps in the drawing / painting composition such as:  a) choice of motifs  b) scene definition  c) choice of surface format  d) composition of the essential elements of a selected frame within the carrier format - construction of space in the surface using 2D and 3D geometry and recognition of the important compositional elements, directions and relationships (proportions).by means of visualizing the observed scene in the surface of a paper,  e) drawing treatment , volume shading, contour lines definition  f) finer shading and surface texture definition  3. Demonstrate the advantages of charcoal as a of drawing study material. Drawing charcoal as a drawing instrument, its possibilities and advantages as a drawing material for drawing studies created after observing nature.  4. Developed manual skills, structured perception and artistic sensibility of the students. Introduction to laws of the process of watching, observing and reflection of space and a more evolved sense of proportion and concept of space in the surface (perspective). | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. The students will be able to analyse space and select the format of artistic composition according to the choice of motifs in a given space. 2. The students will be able to organize perception and systematically construct a visual composition according to a given spatial template. The students will be able to analyse the space and the volume, that is, visually structure own perception of space and form. 3. Students will be able to construct a drawing of space in linear perspective, starting with larger and simpler geometrical bodies and shapes to smaller and more complex volumes and figures. 4. Students will master charcoal, cloth and soft eraser as an ideal material for study drawing and will develop knowledge of that material as well as its visual and design possibilities. | | | | | | | | | | | |
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| **COURSE TITLE** | **SCULPTURE 1** | | | | | | | | | | | | |
| **Code** | | UAR009 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Dragan Dužević, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to the basics of sculpture: concept, development, laws.  Introduction and acquisition of knowledge on basic techniques and materials in sculpture.  Research and development of skills in a variety of materials and means sculptural expression in relief (bas-relief, abstract form).  Introducing students to the relief in heritage.  Understanding and evaluation of relief as a visual artistic expression in heritage. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture 1 exam, be able to:  1. Define, describe and list basic concepts, development and laws of sculpture and visual language (visual elements and principles of composition).  2. Describe, explain, distinguish and give an example of basic techniques and materials in sculpture.  3. List valuable sculptural works of relief in heritage, with a special reference to ornament.  4. Compare, differentiate and analyse relief from the heritage to contemporary sculptural expression.  5. Define and distinguish types of relief.  6. Prepare a gerist for relief  7. Create a relief in clay material.  8. Perform casting in negative and positive.  9. Perform retouching and repairing of casts.  10. Interpret and present own work as a visual work of art.  11. Evaluate and analyse the work. | | | | | | | | | | | |
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| **COURSE TITLE** | **Painting Technology in Restoration and Conservation I.** | | | | | | | | | | | | |
| **Code** | | UAR UAR00S  ISVU 100876 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Assoc. Prof. | | | ECTS value | | | | 2 | | | | |
| Associates | | Lana Kekez, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Students will acquire theoretical foundations and gain practical knowledge in the field of painting materials and technologies. A particular emphasis lies on information and practical skills applicable in conservation and restoration profession. During this course the students will acquire fundamental knowledge on the structure of painting, the concept and types of painting surface, surface preparation for painting and protection of surface from the causes of deterioration, then the classification and properties of pigments and binding agents and their historical development, chemical composition and structure of various types of surface (board, canvas, paper).  During this course, they will be introduced to the concepts of pigment, binding agent and filler; (types of pigments and composition of fillers and animal glue), and will gain knowledge about their structure and properties. They will be introduced to the concepts of: impregnation and preparation, as well as types of traditional and contemporary impregnation and preparation, their composition and preparation, application and processing. The students will learn about the type and structure of different wooden surfaces, canvas and paper, will be introduced to the biological, chemical and mechanical causes of their damage and decay, and will learn how to protect them from decay by proper preparation.  Students will gain knowledge and experience in the preparation of relief gilding, become familiar with the concepts of pastiglia, bolus, poliment, mixtion, artificial gold etc. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Students will be able to describe the structure of a painting and the structure and chemical composition of the individual layers of the painting. 2. Students will gain an overview of the historical development of art materials and techniques and their importance and role in conservation and restoration practice. 3. The student will be able to define the following concepts: impregnation, preparation, binder and filler. 4. Students will be able to define the type and chemical composition of animal glue, type and chemical composition of filler and explain the advantages and disadvantages of different binding agents to impregnate and prepare the surface. 5. Students will be able to describe the structure and composition of wood, its chemical composition , specificities of wood as painting surface, types of wooden boards, their structure and composition. 6. Students will be able to impregnate board, paper and canvas and prepare, apply and process animal glue and gesso, semi-oiled, oiled and dispersive preparation in order to get a more stable painting surface of the best possible quality. 7. Students will be able to describe the structure and composition of paper and canvas, their types, causes of deterioration and methods of conservation of paper, canvas, cardboard, etc. 8. Students will be able to describe different structures of subframe, stretch canvas and paper before processing it using impregnation and preparation . 9. Students will be able to prepare a multi-layered gesso preparation for application of polyment gilding, know the procedures of relief decorations on polished gessobase, define the concepts of pastiglia, bolus, mixtion ... | | | | | | | | | | | |
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| **COURSE TITLE** | **Sculpture Technology in Restoration and Conservation I.** | | | | | | | | | | | | |
| **Code** | | UAR008 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 | 0 | | 0 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to the concept of sculpture, its origin and the development. of associated techniques.  Development and transfer of theoretical and practical knowledge of materials, tools, techniques and methods present in sculptural works. Introduction and practical implementation of sculptural techniques using traditional and new methods of processing sculptural materials and their application in conservation and restoration. Introduction to clay and its properties and methods of application in sculpture. Introduction to the basic tools for clay mass processing, production technique for making a support for modelling relief and full plastic, pressing clay into moulds, moulding clay and baking ceramic articles. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To know basic properties of clay.  2. To be able to make a support, that is, surface for modelling a relief in clay.  3. To be able to make a support, that is, surface for modelling full plastic in clay.  4. To know the techniques of pressing clay into plaster moulds.  5. To be able to cast a ceramic article in a plaster mould. | | | | | | | | | | | |
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| **COURSE TITLE** | **Research and documentation methods in conservation-restoration** | | | | | | | | | | | | | |
| **Code** | | UAR00M | | | Year of Study | | | | 1st Year  1st Semester | | | | | |
| **Name of Lecturer** | | Sagita Mirjam Sunara, Assistant Professor | | | ECTS value | | | |  | | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | | E | T |
| 27 | | 3 | | 15 |  |
| Type of Course | |  | | | Percentage of e-learning | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | To be acquainted to the methodology of scientific research. To acquire basics of writing professional, scientific, term and final papers. To learn to search databases. To use professional literature independently To know how to cite literature in text and in the list of references. To master the basics of writing conservation and restoration documentation. To know the basic vocabulary of conservation and restoration terms. To know the basics of photographic and graphic documentation in conservation-restoration. To understand the importance of correct choice of materials for filing documents. To learn the basics of interviewing. To learn to use electronic media in order toinform and educate the public, and connect with colleagues. | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Explain how a scientific and research paper should be structured;  2. Write an a term paper properly referring oneself to the sources and citing literature used.  3. Explain the structure of conservation and restoration documentation.  4. Gather basic information on cultural asset, write a report on the existing situation of cultural asset and technology of its making;  5. Take a photograph which may be used in conservation and restoration documentation.  6. Arrange photographic archive;  7. Map damage to a cultural asset on the graphic surface;  8. Prepare and conduct an interview with the artist in order to collect data important for the preservation of his/her work;  9. Make a transcript of the interview with the artist.  10. To learn to use new media in order to promote conservation - restoration profession and educate the general public. | | | | | | | | | | | | |
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| **COURSE TITLE** | **INTRODUCTION TO ARHITECTURAL CONSERVATION - MATERIALS AND TECHNIQUES 1** | | | | | | | | | | | | |
| **Code** | | UAR002 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Goran NIkšić, Ph.D. | | | ECTS value | | | | 1 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | To provide an insight into the architectural context of their work to.future restorers To provide them with basic knowledge of architectural conservation, especially in terms of materials and techniques. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | - understanding of historical buildings and their value;  - understanding the problem of historical buildings conservation;  - acquisition of basic knowledge on the principles of architectural conservation;  - basic knowledge of traditional materials used in architectural conservation; | | | | | | | | | | | |
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| **COURSE TITLE** | **Aesthetic and ethic principles of conservation and restoration** | | | | | | | | | | | | |
| **Code** | | UAR101 | | | Year of Study | | | | 1st Year  1st Semester | | | | |
| **Name of Lecturer** | | Ivana Svedružić Šeparović, Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 | 0 | | 0 | 0 |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | 1. To train students to contribute to a deeper understanding, study, publication, research and protection of cultural heritage in accordance with their knowledge and capabilities.  2. To acquaint students with basic legal provisions dealing with heritage, and with ethical codes of the profession  3. To introduce students to the main theoretical thoughts on aesthetics in art  4. To introduce students to different approaches to the identification and preservation of cultural heritage values. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. To develop a critical attitude towards the state of cultural heritage in our country, and draw attention to the causes and consequences of such a situation | | | | | | | | | | | |
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| **COURSE TITLE** | DOCUMENTATION PHOTOGRAPHY IN CONSERVATION AND RESTORATION | | | | | | | | | | | | | |
| **Code** | | UAR00D | | | Year of Study | | | 1st Year / 1st Semester  4th Year / 7th Semester  4th Year / 8th Semester | | | | | | |
| **Name of Lecturer** | | Žana Matulić Bilač, Assistant Professor | | | ECTS value | | | 2 | | | | | | |
| Associates | | Robert Matić, Professional Associate | | | Teaching (number of hours per semester) | | | L | | S | | E | | T |
| 30 | |  | |  | |  |
| Type of Course | | Elective | | | Percentage of e-learning | | | 0 | | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | To be introduced to the application of photography in conservation - restoration; Master the technique of taking photographs. To be introduced to other recording methods (X-ray, IR, UV). | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Completed secondary school, secondary school final school examination passed, DPZVS passed, enrolled to the first semester of Conservation - Restoration. | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After passing this exam, the student will master the following on a basic level;  1. the basic concepts of analogue and digital photography  2. proper use of analogue and digital photography  3. the technique of infra-red, X-ray and UV recording and is able to interpret the results of that recording  4. photographing in special lighting conditions (photographing in side light, photographing with light through the subject, photographing a more or less transparent material)  5. photographing under a microscope.  6. photographing certain surface structures, textures, matte, shine, relief, rough, smooth | | | | | | | | | | | | |
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| **NAZIV PREDMETA** | **JEZIČNA KULTURA (LKLU)** | | | | | | | | | | | | |
| **Kod** | | UAL70I | | | Godina studija | | | | 1. godina/1. semestar  2. godina/3. semestar  3. godina/5. semestar  4. godina/7. semestar | | | | |
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| **NAZIV PREDMETA** | **Plastična anatomija I** | | | |
| Kod | | UAK006 | Godina studija | 1. godina, 1. semestar  2. godina, 3. semestar  3. godina, 5. semestar |

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| **NAZIV PREDMETA** | **CRTANJE AKTA I (LKLU)** | | | |
| **Kod** | | UAL007  ISVU: ............. | Godina studija | 1. godina, 1. semestar  2. godina, 3. semestar  3. godina, 5. semestar |

2nd SEMESTER

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| **COURSE TITLE** | **Introduction to Specializations I**  **STONE** | | | | | | | | | | | | |
| **Code** | | UAR103 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction and acquisition of basic concepts and knowledge in the field of types and conservation and restoration of stone, | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to conservation and restoration of stone 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) distinguish types of stone in its properties and microscopic properties  2) identify problems given conditions and environment surrounding the monuments  3) react using preventive conservation in order to develop a detailed plan of "conservation and restoration of the existing status of a specific stone monument"  4) determine the best ways of cleaning stone surface and its preservation and consolidation after implementing all previous procedures. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | |
| **Code** | | UAR UAR104  ISVU 101070 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Branko Matulić, Ph.D. | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 0 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of basic facts related to historical, art-historical, civilization-cultural, and in particular artistic handicraft, that is, technical-technological and vocational paths of development, scope and meaning of mural painting and mosaics in space and time, and in the narrow sense the application of such knowledge to their conservation and protection | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to conservation and restoration of mural paintings and mosaics 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) identify, specify and interpret the basic concepts related to historical and artistic development and meaning of mural painting and mosaics,  2) identify and explain the basic ethical and professional principles and basic procedures of conservation-restoration of mural painting and mosaics,  3)developed visual perception in recognizing different expressive forms of art of mural painting and mosaics at technological and the level of content,  4) awareness of the need of constant care, preservation and restoration of artistic heritage of mural painting and mosaics. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations II**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | |
| **Code** | | UAR105 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Sagita Mirjam Sunara, Assistant Professor | | | ECTS value | | | |  | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | |  | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | To be introduced to the methodology of conservation and restoration works on the easel painting and polychrome wooden sculptures. Acquire knowledge of basic conservation - restoration procedures. To be introduced to the basic principles of contemporary conservation-restoration (minimal intervention, material compatibility, intervention recognizability ). Develop awareness of the importance of an interdisciplinary approach to the protection of cultural assets. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to conservation and restoration of easel paintings and polychrome wood 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Identify and classify damage and determine their cause;  2. Propose urgent conservation and restoration measures for a damaged painting or sculpture;  3. Apply basic protective measures;  4. Perform sampling;  5. Create a micro-section of the sample of a layer  6. Interpret results of stratigraphic sample analysis. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  **METAL** | | | | | | | | | | | | |
| **Code** | | UAR106 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Students are introduced to the historical role of non-precious metals through a review of their use and cultural significance. A more detailed insight into the characteristics of metals by type: iron, zinc, lead, aluminium, nickel and chromium as the basis for an introduction to the methodology of conservation-restoration of non-precious metals. Identifying different phenomena of corrosion and damage to non-precious metals | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to conservation and restoration of metal 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Knowledge of cultural meaning of non-precious metals (iron, zinc, lead, aluminium, nickel and chromium).  2. Identify non-precious metals.  3. Identify different types of damage to non-precious metals  4. Identify a corroded surface. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  **ARCHEOLOGIC HERITAGE** | | | | | | | | | | | | |
| **Code** | | UAR107 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Joška-Tea Katunarić,  Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 25% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to various finds and structures found on land and underwater archaeological sites: ceramic, glass, stone, metal, bone, wood, amber, leather and other objects and construction structures, plaster and frescoes, as well as human, animal and fish bones, shellfish, paleobotanic remains, etc.  Introduction to the characteristics and influence of different surroundings (different types of land, fresh or salt water, flora and fauna, exposure to atmosphere, etc.) on archaeological objects and structures.  Introduction to the characteristics of materials in archaeological objects and structures are made of and with their susceptibility to external influences. Introduction to the causes of deterioration of archaeological material and conservation and restoration interventions to archaeological material. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to conservation and restoration of archaeological heritage 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:   1. identify and define types of archaeological sites and finds, 2. identify and group archaeological finds with respect to their characteristics, 3. explain the reasons for deterioration of archaeological material; 4. debate on conservation and restoration methods and procedures for the protection of archaeological objects, 5. single out and meaningfully explain the application of the best conservation and restoration methods for object protection. | | | | | | | | | | | |
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| **COURSE TITLE** | **Art History 2** | | | | | | | | | | | | |
| **Code** | | UAP10T | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | DANIELA MATETIĆ POLJAK, Ph.D, Senior lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of fundamental knowledge of stylistic periods from late antiquity to the late Middle Ages and their basic characteristics in Europe and the Mediterranean basin. Understanding and acquisition of basic professional terminology. Introduction to the specifics of Croatian art heritage of the Middle Ages and raising awareness about its position and significance in the broader Mediterranean and European context. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Art History 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After having passed the exam, the students will be able to:   1. Distinguish stylistic periods in Medieval Art 2. Recognize basic stylistic features in most representative works of art. 3. Master basic professional terminology. 4. Analyse and describe the work of art using professional terminology. 5. Understand the sequence and geographic spread of stylistic periods 6. Understand the relationship and influence of three major religions of the Middle Ages (Christianity in variants of Catholicism and Orthodoxy and Islam) on determining functions and basic formal characteristics of the work of art having a sacral character | | | | | | | | | | | |
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| **COURSE TITLE** | **Inorganic Chemistry** | | | | | | | | | | | | |
| **Code** | | PMC220 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Slobodan Brinić , Ph.D., Assoc. Prof. | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 | 0 | | 15 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduce students to the chemical reactivity of elements along the periodic table, properties and composition of conventional chemical substances. Develop the ability to notice the similarities and differences between inorganic compounds and understanding the changes in inorganic substances in a variety of physical and chemical conditions | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 2nd Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1) know the basic features and ways of obtaining chemical elements from the main groups  2) be able to discern the nature and properties of the compounds of chemical elements from the main groups  3) classify compounds according to their characteristics  4) foresee possible outcomes of chemical reactions  5) perform simple chemical reactions independently and safely | | | | | | | | | | | |
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| **COURSE TITLE** | **Physics 1** | | | | | | | | | | | |
| Code | PMP091 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| Name of Lecturer | Franjo Sokolić, Ph.D. | | | ECTS value | | | | 2 | | | | |
| Associates | Marijana Mijaković, Ph.D. | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | | 15 |  |
| Type of Course | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | |
| Objectives | Acquisition of basic physical concepts in the field of mechanics, electromagnetism, thermodynamics and optics, as well as the acquisition and application of basic physical laws in these fields, in order to understand the methods that will be used later during the study | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | Enrolment to the 2nd Semester of Conservation - Restoration study programme | | | | | | | | | | | |
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| **COURSE TITLE** | **Drawing after Observing II** | | | | | | | | | | | | |
| **Code** | | UAR UAR10C  ISVU 100040 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 5% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The objective of the course is:  1. To deepen and improve analytical approach to the presentation of landscape forms (Drawing after observing I) by developing drawing sensibility; develop students' sensitivity for different drawing materials and their expressiveness / visual expression.  2. In addition to the study of the composition of space on the surface, we study linear perspective and proportions, expressiveness of line and stain, a more precise definition of tones (light and shadow, modelling volume by shadow and light -volume shading , analysis of tones of thrown shadows and reflected light) and the definition of texture and materials - surfaces .  3. To demonstrate the advantages of charcoal as a painting material for making fine tonal studies. To describe and demonstrate the application of various types of drawing materials and their advantages and disadvantages  4. Introduce students to the basics of human and animal plastic anatomy. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Drawing by observing 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Students will know the basics (plastic anatomy and proportions of the body) of human and animal physique. 2. The student will master drawing using charcoal (that is. charcoal, cloth and soft eraser and fixative) as the ideal material for tonal study of space (master the techniques of shading volume and presentation of different textures and materials). 3. Students will learn a variety of drawing materials and know their expressive advantages and disadvantages and possible complementarities in making drawings. 4. Students will know and understand the basic drawing principles of the 'Old Masters' on examples from classical painting from the 15th to the 20th century. | | | | | | | | | | | |
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| **COURSE TITLE** | **SCULPTURE 2** | | | | | | | | | | | | |
| **Code** | | UAR109 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Dragan Dužević, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to basics of portrait in sculpture focusing on relief, laws of art  Introduction and acquisition of knowledge on basic techniques in sculpture.  Research and development of skills in a variety of materials and means in relief (bas-relief, theme). portrait in relief from heritage  Introducing students to the portrait relief from heritage.  Understanding and evaluation of relief as a visual artistic expression in heritage. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Sculpture 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture 2 exam, be able to:   1. Define, describe and list basic concepts and laws of portrait as a visual problem (visual elements and principles of composition in portrait).   2. Describe, explain, distinguish and give an example of a portrait in relief (by writing a term paper and orally)  3. Compare, differentiate and analyse relief from the heritage to contemporary sculptural expression.  4. Prepare a gerist for relief  7. Create a relief in clay material.  8. Perform casting in negative and positive.  9. Perform retouching and repairing of casts.  10. Interpret and present own work as a visual work of art.  11. Evaluate and analyse the work. | | | | | | | | | | | |
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| **COURSE TITLE** | **Painting Technology in Restoration and Conservation II.** | | | | | | | | | | | | |
| **Code** | | UAR UAR10S  ISVU 100873 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | |
| Associates | | Lana Kekez, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | * Students will acquire theoretical foundations and gain practical knowledge in the field of painting materials and technologies. A particular emphasis lies on knowledge applicable in conservation and restoration profession. * During this course, students will acquire basic knowledge on wall, ceramics, glass and metal as painting surfaces, as well as technology and techniques of painting walls, ceramics, glass and metal. * The students will acquire basic and advanced knowledge of pigments: their classification, chemical composition and specific properties, methods of production, the use of different pigments through the history of painting and by painters from different periods and styles, the importance of pigments in the methods of attribution of a work of art, applications in a variety of painting techniques-binding agents. * Introduce students to the basic technology of various drawing materials (wet and dry drawing techniques). * The participation of students in teaching will be encouraged through term papers, their presentation and teaching skills improved, and their knowledge of individual teaching units broadened. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Painting technology in conservation and restoration 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. The students will be able to process and prepare various painting surfaces (wall, glass, ceramic, metal) 2. The students will be able to describe various techniques of mural painting (fresco, mosaic, stained glass) and define their differences and specificities, and choose the best materials and techniques of performance. 3. The student will be able to define the following concepts: pigment, dye, filler and classify pigments considering their composition and origin. 4. The students will know the most important traditional and contemporary pigments, their properties and specificities. 5. The students will know the technology of traditional drawing materials. | | | | | | | | | | | |
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| **COURSE TITLE** | Sculpture Technology in Restoration and Conservation 2. | | | | | | | | | | | | |
| **Code** | | UAR108 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 15 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Development and transfer of theoretical and practical knowledge of materials, tools, techniques and methods present in sculptural works. Introduction and practical implementation of sculptural techniques using traditional and new methods of processing sculptural materials and their application in conservation and restoration. Introduction to gypsum as a sculptural material: Perform casting in negative and positive. Production of one-part and multi-part moulds. Production of silicon moulds. Perform casting of positive. Introduction to types of wood as a sculptural material: Tools for wood processing and methods of processing . Wood protection | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Sculpture technology in conservation and restoration 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To know the properties of gypsum.  2. To be able to make a gypsum mould from a relief in clay.  3. To be able to make a gypsum mould from a full plastic in clay.  4. To be able to make a multi-part gypsum mould from a simple form.  5. To be able to make a one -part silicon mould for simple sculpture forms.  6. To know the basic types of wood.  7. To know traditional sculptural tools for wood processing and their application. | | | | | | | | | | | |
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| **COURSE TITLE** | **ENGLISH IN CONSERVATION - RESTORATION 1** | | | | | | | | | | | | |
| **Code** | | UAR0RE | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Katarina Hraste, MSc, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 15 | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 15% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Training students for recognizing academic discourse. The development of language, communication and pragmatic competences, with B2 being .the target level of achievement . | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 2nd Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | A higher level of linguistic, communicative and pragmatic competence. Higher linguistic awareness and better personal presentation at an academic level (CV, letter of intent, etc.), understanding articles on contemporary problems where the speaker expresses his/her views, participation in standard discussions on current topics and expressing own views. Dealing with most situations in a foreign country.. | | | | | | | | | | | |
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| **COURSE TITLE** | **Preventive conservation 1** | | | | | | | | | | | | |
| **Code** | | UAR001 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Sagita Mirjam Sunara, Assistant Professor | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 22 | 8 | |  |  |
| Type of Course | |  | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Develop awareness of the importance of preventive conservation in the protection of cultural assets. To be acquainted with the main causes of deterioration of cultural assets; learn to quantify their impact. Gain knowledge of recording, organizing, combining and interpreting data relevant to the identification of potential risks to works of art. Develop the ability to recognize the symptoms of active decay; learn to associate the symptoms to the causes of decay. To be acquainted with the basic measures / procedures of preventive conservation for individual works of art and art collections (handling objects, storage and display, packaging and transportation). To be acquainted with materials suitable for long-term storage and display of works of art. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 2nd Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Explain the importance of preventive conservation in the preservation and protection of cultural heritage;  2. Distinguish causes of deterioration of cultural assets;  3. Record and interpret data relevant to the identification of potential risks to works of art.  4. Determine the degree of sensitivity of the collection of movable cultural property;  5. Recognize the symptoms of active decay.  6. Associate the symptoms of active decay to the causes of decay.  7. Suggest and apply the basic measures/procedures of preventive protection  8. Set the list of priorities for conservation and restoration works;  Choose materials suitable for storage and display of works of art.  10. Create a box for storage | | | | | | | | | | | |
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| **COURSE TITLE** | **INTRODUCTION TO ARHITECTURE CONSERVATION - MATERIALS AND TECHNIQUES 2** | | | | | | | | | | | | |
| **Code** | | UAR102 | | | Year of Study | | | | 1st Year  2nd Semester | | | | |
| **Name of Lecturer** | | Goran NIkšić, Ph.D. | | | ECTS value | | | | 1 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | To provide an insight into the architectural context of their work to.future restorers To provide them with basic knowledge of architectural conservation, especially in terms of materials and techniques. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to architectural conservation - materials and techniques 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | - Ability to correctly assess the causes of deterioration of buildings;  - knowledge of traditional and contemporary techniques of architectural conservation;  - Ability to propose appropriate procedure of architectural conservation, in line with contemporary conservation principles;  -- Qualifications for successful cooperation with other participants in the process of architectural conservation and restoration. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations I**  **STONE** | | | | | | | | | | | | |
| **Code** | | UAR203 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | |  |  |
| Type of Course | | conpulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introducing students to the tasks of conservation and restoration of stone. Holding theoretical exercises for better understanding of the issues of conservation, of both architectural and archaeological stone.  Historical overview, general principles of conservation and restoration - ethical and professional code applicable to the conservation and restoration of stone. Stone cleaning Field classes documentation, diagnostic research, analysis, conservation - restoration works, manufacture of moulds and copies. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Introduction to Specializations 2 exam -  Stone, from the previous semester | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) to prepare the basic documentation of the existing status of a stone monument  2) to research and find information in literature and documents about previous interventions to a certain monument  3) to make an accurate diagnosis using physical and chemical measurements and correctly record and analyse results  4) determine the best ways of cleaning stone surface, moisture rehabilitation techniques and possible desalination, and its preservation and consolidation after implementing all previous procedures. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IIII**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | |
| **Code** | | UAR UAR204  ISVU 101065 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Tonči Borovac, Ph.D, Assist.Prof. | | | ECTS value | | | | 3 | | | | |
| Associates | | Antonija Gluhan, mr. art. Senior Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 | 0 | | 0 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | By acquiring theoretical knowledge and studying of real-life examples, we aim to raise the level of knowledge, skills and abilities to solve simple conservation and restoration tasks, especially those related to issues of documentation. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Introduction to Specializations 2 exam  MURAL PAINTING AND MOSAICS. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Selection and use of documentation methods in conservation and restoration of mural paintings and mosaics; 2. Recognizing and defining the occurrence of damage to mural paintings and mosaics; 3. Identification of causes of decay 4. Observation of the existing situation of mural paintings and mosaics; | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IIII**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | | |
| **Code** | | UAR205 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | | |
| **Name of Lecturer** | | Žana Matulić Bilač, Assistant Professor | | | ECTS value | | | | 3 ECTS | | | | | |
| Associates | | Jlena Zagora  Professional Associate | | | Teaching (number of hours per semester) | | | | L | S | | | E | T |
| 30 |  | | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 5% | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | Through this course students are introduced to the field of multidisciplinary reflection and such an approach to conservation-restoration of easel paintings and polychrome wood. Through continued association of information and conclusions mastered through the first year of study and those they are currently studying in other courses - with real issues of complex multi-year conservation and restoration works performed by HRZ, Department of Split - students develop creative thinking usable in practice and suggestions for solutions which are then filtered and checked with the mentor.  The objective is to pave the way for the application of acquired knowledge, developing teamwork, creative problem solving in c.-r. and developing restoration skills. | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Introduction to Specializations 2 exam  EASEL PAINTINGS AND POLYCROME WOOD | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. After having passed the exam, the students will reach the basic level of creative  approach to c.-r., so as to  2: learn to properly interpret and bring to an inter-relationship the processes of decay of materials,  3. their reaction to the scope of a particular parameter of decay and  4. their inter-relationship to the intervention on a work of art  5. They will learn to analyse these processes better using targeted methods, and  6. describe and document those processes,  7. apply some simple methods of conservation and restoration and  get acquainted to a number of solvents and materials in different physical states.  8. They will learn the basics of conceiving the research process, finding materials in libraries,  archives and photo archives, develop independence in these processes.  9. They will learn to create and develop a simple study on the work of art.  10. Integrate research and analysis of various types in all segments of c.-r.process | | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IIII**  **METAL** | | | | | | | | | | | | |
| **Code** | | UAR206 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Students learn about the copper repoussage technique and production of high and low relief. Students create 1- 2 works in copper after their own drawing or a copy of the original object during semester . During the semester students accompany their practical work with photo and written documents, which they are compelled to submit at the end of the semester. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Introduction to Specializations 2 exam  METAL, from the previous semester | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To create a shallow relief using copper sheet repoussage technique.  2. To create a high relief using copper sheet repoussage technique.  3.to create photo and written documents of the work.  4. To knew traditional tools used in copper sheet repoussage technique. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IIII**  ARCHEOLOGIC HERITAGE | | | | | | | | | | | | |
| **Code** | | UAR207 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Joška-Tea Katunarić  Senior Lecturer | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 25% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Apply acquired knowledge on the properties ceramic articles. Became better acquainted to the composition of different clays and admixtures for making ceramic articles with respect to period (from prehistory to present day) and place of their production. To be introduced to and analyse the technology of making ceramic articles throughout history: by hand, slow- and fast-rotating wheel, in a mould; baking objects outdoors, as well as various types of ceramic furnaces.  Apply acquired knowledge and become better acquainted to the causes of ceramic articles decay: external and internal; physical, biological, chemical and atmospheric ones. Learn to identify and classify damage and structural changes to the article; Learn to apply restoration works to the article in a systematic, optimal and meaningful way: desalination, cleaning, binding, consolidation and simple reconstruction.  Learn to prepare a precise and detailed documentation. photographic, drawing and descriptive documentation of the article and restoration process to the article before, during and after restoration work.  Be introduced to work at the archaeological field;  methodology of stratigraphic excavation, documenting the site: drawing and photographing, field documentation of finds, preventive field conservation of finds and site; sorting, labelling and preparation of finds for safe transport to the workshop. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Introduction to Specializations 2 exam  ARCHAEOLOGICAL HERITAGE, from the previous semester | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:   1. Apply acquired knowledge on the properties of ceramic articles and technology of their production, 2. analysis of damage and causes of decay of archaeological ceramic articles, 3. application of simple restoration works on the article, 4. prepare restoration and conservation documentation of articles and site. 5. suggest preventive field conservation of archaeological sites and finds, 6. choose the best method for transporting articles to the workshop or depot. | | | | | | | | | | | |
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| **COURSE TITLE** | **SCULPTURE 3** | | | | | | | | | | | | |
| **Code** | | UAR209 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Dragan Dužević, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to full plastic as art problem n sculpture.  Dealing with the problem of portrait in full plastic - visual elements and principles of composition.  Acquisition of knowledge on full plastic modelling, portrait  Research and development of skills in a variety of materials and means of sculptural expression in full plastic, theme: portrait from heritage  Introduction, research and analysis of a portrait in heritage.  Understanding and evaluation of portrait as a visual artistic expression in heritage. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Sculpture 2 exam - | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture 3 exam, be able to:  Define, describe and list basic concepts and laws of full plastic, and especially portrait,as a visual problem (visual elements and principles of composition in portrait).  2. Describe, explain, distinguish and give an example of a portrait in heritage.  3. Compare, differentiate and analyse portrait from the heritage to contemporary sculptural expression.  4. Prepare a gerist for a portrait  5. Create a portrait in clay material.  6. Perform casting in negative and positive.  7. Perform retouching and repairing of casts.  8. Interpret and present own work as a visual work of art.  9. Evaluate and analyse the work. | | | | | | | | | | | |
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| **COURSE TITLE** | **Professional Drawing 1** | | | | | | | | | | | | |
| **Code** | | UARSC1 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Anita Gamulin  Senior lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Mastering the basics of documenting art in 2D templates as a preparation for documentation by the artefact, exploring stylistic features of the major historical styles | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 3rd Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Identify and name basic stylistic features of a work of art subject of documentation, identify materials and techniques of creating a given work of art , as well as the method of binding / mounting works of art.  2. The students master the basics of documenting:  - drawing to scale  - reading scale from an existing template  - comparing artefacts in a balanced scale  - drawing basic plans (floor plan, section, all views)  3. Documenting the given material, texture, damage, ways of binding the elements of a work of art  4. Drawing dimensioning  5. Basics of computer documenting (drawing n a-cad).  6. The students realize the importance of documenting in the process of restoration of a work of art,namely, documenting all the defects before restoration, identifying the different phases of work during the creation of these artefacts and documenting during the process of restoration  7. The students realize the importance of documenting in the preparation of a work of art file, the process and method of restoration, as well as when assessing the duration of the restoration process  8. Documenting as an integral part of the process of preserving, protection and restoration of cultural heritage. | | | | | | | | | | | |
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| **COURSE TITLE** | **ENGLISH IN CONSERVATION - RESTORATION 2** | | | | | | | | | | | | |
| **Code** | | UAR1RE | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Katarina Hraste, MSc, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 15 | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 15% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The development of language, communication and pragmatic competences, with B2/C1 being .the target level of achievement .The emphasis is on professional (artistic) vocabulary. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | ENGLISH IN CONSERVATION - RESTORATION 1 exam passed | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | A higher level of linguistic, communicative and pragmatic competence. Higher linguistic awareness, practical use of language manuals (monolingual dictionaries, thesauri, etc.), understanding during long exposure to complex arguments, provided a relative familiarity with the topic, participation, without preparation, in discussions on familiar topics, writing clear, detailed texts on topics related to the area self-interest | | | | | | | | | | | |
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| **COURSE TITLE** | **Preventive conservation 2** | | | | | | | | | | | | | |
| **Code** | | UAR201 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | | |
| **Name of Lecturer** | | Žana Matulić Bilač, Assistant Professor | | | ECTS value | | | | 2 ECTS | | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | | E | T |
| 15 | 5 | | | 10 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 10% | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | This course emphasizes theoretical side during the first year and during second a practical one of a very important area of conservation - the one which, using knowledge on the causes of deterioration of materials and implementation of the entire spectrum of preventive measures, may significantly slow the deterioration of works of art and by implementing those measures bring down necessary restoration works to a substantially smaller quantity in the future, thus creating opportunities for research and documentation side of the whole process. This course aims at spreading areas of conservator-restorer activity outside restoration workshops and dealing with complex issues of protection of cultural heritage in situ. During 30 hours of lectures the students look at over 200 slides of case studies, visit museums and do 15 hours of practical implementation of the acquired theoretical knowledge in the field | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Peventive Conservation 1 exam | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | This course emphasizes theoretical side during the first year and during second a practical one of a very important area of conservation - the one which, using knowledge on the causes of deterioration of materials and implementation of the entire spectrum of preventive measures, may significantly slow the deterioration of works of art and by implementing those measures bring down necessary restoration works to a substantially smaller quantity in the future, thus creating opportunities for research and documentation side of the whole process. This course aims at spreading areas of conservator-restorer activity outside restoration workshops and dealing with complex issues of protection of cultural heritage in situ. During 60 hours of lectures the students look at over 200 slides of case studies, visit museums and do 25 hours of practical implementation of the acquired theoretical knowledge in the field | | | | | | | | | | | | |
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| **COURSE TITLE** | **History of restoration** | | | | | | | | | | | | |
| **Code** | | UAR20P | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Zoraida Demori Staničić, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Knowing the most important restoration and conservation interventions on individual works of European and national cultural heritage through art history periods, changes in style, authors and schools, by distinguishing various methods of preserving paintings, sculptures and objects of decorative arts in order to recognize, analyse and assess previous interventions. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 3rd Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | Identifying the most significant restored works in Europe and Croatia, understanding historical and social context and meaning of restoration procedures, by distinguishing the most important methods. | | | | | | | | | | | |
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| **COURSE TITLE** | **Sculpture Technology in Restoration and Conservation 3.** | | | | | | | | | | | | |
| **Code** | | UAR208 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 15 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Development and transfer of theoretical and practical knowledge of materials, tools, techniques and methods present in sculptural works. Introduction and practical implementation of sculptural techniques using traditional and new methods of processing sculptural materials and their application in conservation and restoration. Theoretical and practical knowledge of stone as a sculptural material. Stone, petrography, physical and chemical properties. Types of manual and machine stone processing. Types of tools and their application to particular types. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Sculpture Technology in Restoration and Conservation 2.exam passed. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To know basic properties of stone as a sculptural material:  2. To know the basic division of stone by origin  3. To know traditional sculptural tools and their application.  4. To identify the use of traditional tools according to appearance of the treated surface  5. To know traditional process of creating stone sculptures | | | | | | | | | | | |
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| **COURSE TITLE** | **Painting Technology in Restoration and Conservation 3.** | | | | | | | | | | | | |
| **Code** | | UAR UAR20S  ISVU 100874 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | |
| Associates | | Lana Kekez, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | * The objective of the Painting Technology in Restoration and Conservation 3 course is to provide students of restoration and conservation with the knowledge of different types of solvents, resins and adhesives. This material is necessary and useful to each student of restoration and conservation regardless of specialization chosen at the second and third year of study. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Sculpture Technology in Restoration and Conservation 2.exam passed. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The students will acquire basic knowledge of the following concepts:   * Solvents, division, physical properties, polarity and division of solvents according to polarity, Teas three sided diagram, aromaticity of solvents evaporation rate. * The most important organic solvents in conservation-restoration, their properties and applications: mineral solvents, aromatic and aliphatic hydrocarbons, ketones, alcohols, chlorinated hydrocarbons, ethers, esters. * Physical properties of resins and varnishes (solubility, viscosity, hardness, Tg, brittleness, relative molecular mass, the ability of saturation, stability), division of resins (natural and synthetic), determining the concentration of the solution. * Properties and application of natural resins in conservation - restoration; balsams, colophony, sandarac, amber, damar, mastic, shellac. * Properties and application of synthetic resins in conservation - restoration; polyvinyl acetates, acrylic, ketone, aldehyde, hydrogenated hydrocarbons, alkyd resins, cellulosic esters. * Additives to varnishes,properties and applications: stabilizers, plasticizers and opacificers. Purpose and properties of varnishes, their historical overview, methodology of varnishing. * Waxes: types, composition, properties and applications. * Glues: necessary properties and characteristics.: * Polymers: definition, types of polymerization, division and properties of polymers according to structure. * Dissolving, melting and reaction glues: types, properties and application in conservation-restoration | | | | | | | | | | | |
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| **NAZIV PREDMETA** | **Povijest umjetnosti 3 (KIP predd)** | | | | | | | | | | |
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| **COURSE TITLE** | **Basics of organic chemistry** | | | | | | | | | | | | |
| **Code** | | PMC102 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| **Name of Lecturer** | | Stjepan Orhanović, Ph.D, Assist.Prof. | | | ECTS value | | | | 4 | | | | |
| Associates | | Ph.D Selma Čustović | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The objective is to get acquainted to principles essential to the creation of chemical bonds in organic chemistry and understand the relationship of bonds and reactivity of organic compounds. The students have to be introduced to the most important functional groups and their typical reactions. Also, the objective is to understand the relationship between the structure and the physical and chemical properties of organic compounds. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed General chemistry and General chemistry practice exams. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:   * explain the nature of bonds in organic chemistry * describe the most important functional groups * describe the most important reactions typical of functional groups * recognize the typical reaction mechanisms * interpret he relationship between the structure and the physical properties of organic compounds. | | | | | | | | | | | |
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| **COURSE TITLE** | **Physics 2** | | | | | | | | | | | |
| Code | PMP092 | | | Year of Study | | | | 2nd Year  3rd Semester | | | | |
| Name of Lecturer | Mile Dželalija, Ph.D. | | | ECTS value | | | | 4 | | | | |
| Associates | Marjan Krstić | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | | 30 |  |
| Type of Course | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | |
| Objectives | Acquire the basic concepts and laws of quantum physics, and the understanding the physics of atoms, laser and atomic nucleus for the purpose of application in conservation and restoration, including the application of selected concepts and laws of classical physics in restoration and conservation. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | To have passed Physics 1 exam - | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | 1. To explain basic concepts and laws of quantum physics 2. To explain the basic characteristics of atom and atomic nucleus. 3. To explain the basic characteristics of laser light and laser functioning. 4. To explain the concepts in photometry and the theory of three colours. 5. To explain the basic characteristics of water vapour. 6. To explain the impact of moisture and light to exhibits. 7. To explain the basic application of laser in restoration. 8. To solve the selected numerical tasks and use the selected measuring devices | | | | | | | | | | | |
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ELECTIVE

INTRODUCTION TO SPECIALIZATIONS III. The student chooses one out of five specializations from the3rd SEMESTER

UAR203

UAR204

UAR205

UAR206

UAR207

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| **NAZIV PREDMETA** | **JEZIČNA KULTURA (LKLU)** | | | | |
| **Kod** | | UAL70I | **Kod** | UAL70I | |
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| **NAZIV PREDMETA** | **CRTANJE AKTA I (LKLU)** | | | | | | | | | |
| **Kod** | | UAL007  ISVU: ............. | | | **Kod** | | | UAL007  ISVU: ............. | | |
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| **NAZIV PREDMETA** | **Plastična anatomija I (kip)** | | | | | | | | | | |
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4th SEMESTER

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| **COURSE TITLE** | **Introduction to Specializations IV**  **STONE** | | | | | | | | | | | | |
| **Code** | | UAR303 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 6 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 | 10 | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introducing students to the tasks of conservation and restoration of stone. Holding theoretical exercises and specialized seminars for better understanding of the issues of conservation, of both architectural and archaeological stone. documentation, diagnostic research, analysis, conservation - restoration works, manufacture of moulds and copies.  Historical overview, general principles of conservation and restoration - ethical and professional code applicable to the conservation and restoration of stone. Stone cleaning Field classes documentation, diagnostic research, analysis, conservation - restoration works, manufacture of moulds and copies. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by INTRODUCTION TO SPECIALIZATIONS III. course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) to prepare the basic documentation of the existing status of a stone monument  2) to find the most convenient way to remove harmful salts from stone  3) to remove harmful iron pins from stone and repair the damage caused by corrosion  4) to use materials most suitable for reconstruction of missing parts,  5) to transport monuments safely and present them efficiently, solve the problem the existing moisture in place of presentation  6) to make a report of all conservation and restoration works; | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IV**  MURAL PAINTING AND MOSAICS. | | | | | | | | | | | | |
| **Code** | | UAR UAR304 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Tonči Borovac, Ph.D, Assist.Prof. | | | ECTS value | | | | 6 | | | | |
| Associates | | Antonija Gluhan, mr. art., Senior Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 | 10 | | 15 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | By acquiring theoretical knowledge and studying of real-life examples, we aim to raise the level of knowledge, skills and abilities to solve simple conservation and restoration tasks, especially those related to issues of documentation. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by INTRODUCTION TO SPECIALIZATIONS III. course programme  MURAL PAINTING AND MOSAICS.(signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Identifying the causes of deterioration and associated occurrence of damage  2. A detailed descripton of the existing status of a work of art.  3. Creating graphic layout and mapping damage, and other conservation and restoration works. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IV**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | | |
| **Code** | | UAR305 | | | Year of Study | | | | 2nd Year  4th Semester | | | | | |
| **Name of Lecturer** | | Žana Matulić Bilač, Assistant Professor | | | ECTS value | | | | 6 ECTS | | | | | |
| Associates | | Jelena Zagora, Professional Associate | | | Teaching (number of hours per semester) | | | | L | S | | | E | T |
| 20 | 10 | | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 5% | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | Through this course students are introduced to the field of multidisciplinary approach and reflection of conservation-restoration procedures to easel paintings and polychrome wood. Through continued association of information and conclusions mastered through the first year of study and those they are currently studying in other courses - with real issues of complex multi-year conservation and restoration works performed by HRZ, Department of Split - students develop creative thinking usable in practice and suggestions for solutions which are then filtered and checked with the mentor.  The objective is to pave the way for the application of acquired knowledge, developing teamwork, creative problem solving in c.-r. and developing restoration skills. | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to specializations III. Easel painting and polychrome wood course programme (signed by the lecturer) | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After completing this course, the students will achieve a basic level of creative approach to c.-r., so as to interpret and bring into inter-relationship the processes of deterioration of materials properly, their reactions to the quota of a certain parameter of decay and their correlation with the intervention to the work of art that is directly connected to the process of decay . Through this process, they will learn to better analyze these processes with targeted methods, describe and document these processes, apply some simple methods of conservation and restoration, and use a number of solvents and materials in different physical states. | | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IV**  **METAL** | | | | | | | | | | | | |
| **Code** | | UAR306 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 6 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 | 10 | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Development and transfer of theoretical and practical knowledge of engraving, metal casting and filigree work techniques. Students create 1- 2 works using technique/s of their own choice during semester. Students will be introduced and trained to work with tools for the mechanical processing of metal and its maintenance. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to specializations III. Metal course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To knew traditional and contemporary tools used in mechanical processing of metal.  2. To know how to make a lead cast.  3. To know the technique of casting bronze  4. To interpret and explain different techniques of metal processing | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to Specializations IV**  **ARCHEOLOGICAL HERITAGE** | | | | | | | | | | | | |
| **Code** | | UAR307 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Miona Miliša, Ph.D., .lecturer | | | ECTS value | | | | 6 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 | 10 | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to various archaeological materials and specifics of finds with respect to the location of the site. Teach students the basic methods in conservation and restoration of archaeological objects. Master the production of documents, written, graphic and photographic. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to specializations III. Archaeological heritage course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. To interpret the acquired knowledge of inorganic and organic archaeological objects and technology of their production,  2. To demonstrate damage and causes of decay of archaeological objects.  3. To apply knowledge when implementing simple restoration works to the object.  4. To prepare written conservation-restoration documentation.  5. To prepare restoration and conservation documentation in the form of graphic drawing and applying ink in drawing the object. | | | | | | | | | | | |
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| **COURSE TITLE** | **PROFESSIONAL DRAWING IN CONSERVATION AND RESTORATION 2.** | | | | | | | | | | | | |
| **Code** | | UARSC2 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Anita Gamulina, Senior lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Mastering the basics of documenting works of art - documenting real artefacts. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Professional drawing1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Identify and name basic stylistic features of a work of art subject of documentation, identify materials and techniques of creating a given work of art , as well as the method of binding / mounting works of art.  2. The students master the basics of documenting - drawing the original artefact:  - drawing to scale  - measuring the artefact in coordinate system (sinker)  - comparing artefacts in a balanced scale  - drawing basic plans (floor plan, section, all views)  3. Documenting the given material, texture, damage, ways of binding the elements of a work of art  4. Drawing dimensioning  The students realize the importance of documenting in the process of restoration of a work of art,namely, documenting all the defects before restoration, identifying the different phases of work during the creation of these artefacts and documenting during the process of restoration  6. The students realize the importance of documenting in the preparation of a work of art file, the process and method of restoration, as well as when assessing the duration of the restoration process  7. Documenting as an integral part of the process of preserving, protection and restoration of cultural heritage. | | | | | | | | | | | |
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| **COURSE TITLE** | **TONAL PAINTING** | | | | | | | | | | | | |
| **Code** | | UAR: UAR20T  ISVU: 101008 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | | 30 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 5% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | 1. Generally speaking - more developed manual skills, observing, visual thinking and artistic sensibility of the students.  2. Specifically speaking -to improve ability to distinguish between a wider range of colour tones and the art of defining the exact colour tones in the visual practice of making a tonal study after observing (space or template in space; still life). | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Drawing by observing 2 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. The student will be able to analyse and define space, volume and artistic quality of the observed template (still life composition) thorough tonal study in the technique of tempera and gouache: tone, colour and texture of material   The student who has successfully completed courses and exercises, understands and through practical work knows how to define :   1. Space (volume) through tonal gradations of colour. 2. Gradation of tone saturation by colour. 3. Surfaces textures of various materials using visual (painting) elements | | | | | | | | | | | |
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| **COURSE TITLE** | **SCULPTURE 4** | | | | | | | | | | | | |
| **Code** | | UAR309 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Dragan Dužević, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to modelling after living model, portrait.  Dealing with the problem of portrait in full plastic - taking into consideration and analysing visual elements and principles of composition.  Acquisition of knowledge on full plastic modelling, portrait after a living model.  Comparison and analysis of the historical example - plaster model.  Research and development of skills in a variety of materials and means of sculptural expression in full plastic, theme: portrait after a living model  Introduction and analysis of a portrait in heritage.  Understanding and evaluation of portrait as a visual artistic expression in heritage. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Sculpture 3 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture 4 exam, be able to:  1. Define, describe and list basic concepts and laws of full plastic, and especially portrait,as a visual problem (visual elements and principles of composition in portrait).  2. Describe, explain, distinguish and give examples of a portrait in heritage.  3. Compare, distinguish and analyse portrait from heritage to a living model.  4. Prepare a gerist for a portrait  5. Create a portrait in clay material.  6. Perform casting in negative and positive.  7. Perform retouching and repairing of casts.  8. Interpret and present own work as a visual work of art.  9. Evaluate and analyse the work. | | | | | | | | | | | |
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| **COURSE TITLE** | **ENGLISH IN CONSERVATION - RESTORATION 3** | | | | | | | | | | | | |
| **Code** | | UAR2RE | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Katarina Hraste, MSc, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 15 | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The development of language, communication and pragmatic competences, with B2/C1 being the target level of achievement .The emphasis is on restoration-conservation professional vocabulary. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by English in Conservation-Restoration 2 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | A higher level of linguistic, communicative and pragmatic competence. The ability to use the English language with a touch of eloquence and spontaneity that enable contact with native speakers and discussion on various topics related to the conservation and restoration profession. Understanding professional conservation and restoration literature, provided the topic is reasonably familiar. | | | | | | | | | | | |
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| **COURSE TITLE** | **Theory of restoration** | | | | | | | | | | | | | |
| **Code** | | UAR30P | | | Year of Study | | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Zoraida Demori Staničić, Senior Lecturer | | | ECTS value | | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | Introduction to the evolution of the concept of monuments from monumentum to cultural asset, together with establishing a number of theoretical thoughts from "classic" to contemporary, which as ideas originate a choice of specific methods and procedures. | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 4th Semester of Conservation - Restoration study programme | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The ability of discerning and selecting specific methodologies and practical methods of conservation-restoration based on incentives from the principles of the theory of restoration. | | | | | | | | | | | | |
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| **NAZIV PREDMETA** | **Povijest umjetnosti 4** | | | | | | | | | | |
| **Kod** | | UAP30T | | | **Kod** | | | | UAP30T | | |
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| **COURSE TITLE** | **Applied organic chemistry in conservation and restoration I.** | | | | | | | | | | | | |
| **Code** | | PMC114 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Maja Pavela, Ph.D, Vrančič, Full Prof. | | | ECTS value | | | | 2 | | | | |
| Associates | | Ph.D Selma Čustović, viši asistent | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 30 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The student acquires the ability to apply practical experience and theoretical knowledge in organic chemistry through practical work in conservation and restoration activities. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Basics of organic chemistry course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | * to be introduced to chemical structure, properties and use of organic compounds important in conservation and restoration * to select the appropriate test method according to the types of materials to be tested and the types of data required in conservation and restoration work | | | | | | | | | | | |
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| **COURSE TITLE** | **Toxicology** | | | | | | | | | | | |
| **Code** | PMC215 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | Viljemka Bučević Popović, Ph.D,. Assist.Prof. | | | ECTS value | | | | 2 | | | | |
| Associates |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 | - | | - | - |
| Type of Course | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | |
| Objectives | Introduction to basic principles of toxicology, the deleterious effects of substances used in restoration-conservation and basic safety measures at work | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | Enrolment to the 4th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | The student will, after having passed the exam, be able to:   * describe major ways of taking harmful substances into a human body, their distribution, metabolism and excretion * interpret the relationship of dose and effect, distinguish acute from chronic toxicity, classify harmful substances according to toxicological data * describe the harmful effects of different groups of substances (gaseous substances, solvents, metals, etc.) in particular those they will encounter in professional work * implement appropriate protection measures against harmful effects of chemicals | | | | | | | | | | | |
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ELECTIVE(STUDY PROGRAMMES ARE REPEATED)

INTRODUCTION TO SPECIALIZATIONS IV. The student chooses one out of five specializations:

UAR303

UAR304

UAR305

UAR306

UAR307

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| **COURSE TITLE** | **Sculpture Technology in Restoration and Conservation 4.** | | | | | | | | | | | | |
| **Code** | | UAR308 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 15 | 0 |
| Type of Course | | elective | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Development and transfer of theoretical and practical knowledge of materials, tools, techniques and methods present in sculptural works. Introduction and practical implementation of sculptural techniques using traditional and new methods of processing sculptural materials and their application in conservation and restoration. Theoretical and practical knowledge of metals as sculptural materials and their application in artistic content. Identifying metals by type, their structural properties. Options of cutting, grinding, welding, casting .. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Sculpture technology in conservation and restoration 3 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To know basic properties of metal as a sculptural material:  2. To know the basic division of metals  3. To know traditional tools used in sheet metal repoussage .and their application.  4. To identify metals in sculptural work according to appearance of the treated surface  5. To know traditional process of creating metal sculptures | | | | | | | | | | | |
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| **COURSE TITLE** | **Painting Technology in Restoration and Conservation 4.** | | | | | | | | | | | | |
| **Code** | | UAR UAR30S  ISVU 100875 | | | Year of Study | | | | 2nd Year  4th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | |
| Associates | | Lana Kekez, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | elective | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | * Students will acquire theoretical and gain practical knowledge in the field of painting materials. A particular emphasis lies on knowledge applicable in conservation and restoration profession. * To transfer knowledge of binding agents in traditional painting techniques to the students specializing in painting at the Sub-Department of Conservation and Restoration * To give students knowledge of procedures that will be used in conservation and restoration practices through exercises and lectures on methods of puttying, padding a painting on canvas and retouching, | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Painting technology in conservation and restoration 3 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The students will acquire basic knowledge of the following concepts:   * Division of binding agents, chemical and physical properties of binding agents. Additions to binding agents. * Aquarelle and gouache: history of use, surface, pigments, binding agents, brushes. * Emulsion binding agents; Definition and properties of emulsions and protective colloids. * Tempera: binding agent, preparation, properties: egg, egg-oiled, casein, gum-tempera, wax and oiled tempera. * Oil as binding agent historical overview of use, properties and types of oils, siccative, characteristics of oil paint, media, construction of oil painting. * Properties of dispersive binding agents. Acrylic paints: binding agent, properties, media: * Encaustic painting: binding agents, properties, application, materials and methods * Padding of painting on canvas: materials, methods, practical examples of easel painting conservation-restoration * Puttying: definition, composition of putty, regulation of absorbency, properties and types of putty according to binding agent, the method of putty implementation, application and processing.. * Retouching and its types, binding systems, properties, classification based on the technology and technique of retouching | | | | | | | | | | | |
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5th SEMESTER

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| COURSE TITLE | **CONSERVATION AND RESTORATION 1**  **Stone** | | | | | | | | | | | | |
| **Code** | | UAR403 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 9 | | | | |
| Associates | | Vinka Marinković, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | |
| Objectives | | Introducing students to the tasks of conservation and restoration of stone. Holding theoretical exercises and specialized seminars for better understanding of the issues of conservation, of both architectural and archaeological stone. documentation, diagnostic research, analysis, conservation - restoration works.  A short overview of the history of documenting stone. Basic principles of documenting. Approaches and techniques for monitoring and documenting the existing situation. Evaluation, visualization, presentation of documents. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to pass the exam in Introduction to conservation and restoration of stone 1 course programme from the previous semester | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) to prepare the basic documentation of the existing status of a stone monument  2) to research and find information in literature and documents about previous interventions to a certain monument  3) to make an accurate diagnosis using physical and chemical measurements and correctly document and analyse results  4) to determine the best ways of cleaning stone surface, moisture rehabilitation techniques and possible desalination, and its preservation and consolidation after implementing all previous procedures.  5) to create a professional term paper as final documentation of all tasks and processes performed during conservation and restoration | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 1**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | |
| **Code** | | UAR UAR404  ISVU | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Tonči Borovac, Ph.D,. Assist.Prof. | | | ECTS value | | | | 9 | | | | |
| Associates | | Antonija Buljan, mr.art, Senior Assistant  Nikola Radošević, Assistant  Krešimit Bosnić, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | By studying the history and technology of materials used in creation of mural paintings, mosaics and stuccoes, we create the basis for a theoretical understanding of their use in conservation-restoration of mural paintings and mosaics. Conservation and restoration problems of medium complex are simulated, which the students have to solve, thus developing the correct methodological approach to them. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The exam in Introduction to Specializations IV Mural painting and mosaics passed | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) Theoretical mastering the technology of creating mural paintings and mosaics  2). Understanding the cause of decay to mural paintings and mosaics.  3) Theoretical mastering of basic conservation-restoration procedures.  4) Understanding the basic procedures for the protection of mural paintings and mosaics.  5) The ability of hypothetical application of fundamental methods of protection  6) Knowledge of basic historical approaches to protection. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 1**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | |
| **Code** | | UAR405  ISVU 100462 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Larisa Aranza, Associate Professor | | | ECTS value | | | | 9 | | | | |
| Associates | | Vesela Bizaca, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of material dealt with at the course. Ability to recognize, interpret and explain the situation and the causes of the decay of works of art. Suggest and elaborate on conservation and restoration work. The implementation of acquired knowledge (theoretical and practical) in conservation and restoration of polychrome wooden objects. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The exam in Introduction to Specializations IV Easel paintings and polychrome wood passed | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) to identify and explain the causes of the condition of works of art and / or objects made from polychrome wood,  2) to select, devise and prepare the necessary strategy, methods, materials, tools and instruments for the performance of a particular conservation-restoration project  3) to apply acquired knowledge to a given conservation and restoration project in a responsible and independent way.  4) to demonstrate and describe all implemented procedures and works. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 1**  **Metal** | | | | | | | | | | | | |
| **Code** | | UAR406 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 9 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | |
| Objectives | | Along with working on metal surfaces, the students get acquainted to different organic and inorganic materials present in three-dimensional objects made from metal (marquetry, applications or separate parts of the object). Students will be introduced to processing, properties and changes and possible conservation-restoration procedures on the following groups of materials: animal products (bone, antlers, teeth, skin, tortoise)-shell, wood, wax, ceramic materials, precious and semi-precious stones. The objective is to deepen the knowledge of complex sets of different materials, raise students' awareness in dealing with them, deepen the understanding and the ability to select the correct methodological and conservation-restoration procedures | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The exam in Introduction to Specializations IV Metal passed | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. to prepare the basic documentation of the existing status of a metal object  2. to research and find information in literature and documents about previous interventions to a certain object  3. to make an accurate diagnosis and correctly document and analyse results  4. determine the best ways of cleaning metal surface taking into consideration the materials used to combine the object.  5. to create a professional term paper as final documentation of all tasks and processes performed during conservation and restoration | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 1**  **ARCHEOLOGIC HERITAGE** | | | | | | | | | | | | |
| **Code** | | UAR407 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Joška-Tea Katunarić  Senior Lecturer | | | ECTS value | | | | 10 | | | | |
| Associates | | Šime Perović, BA., glass restorer, Professional associate | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 25% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to typology, dating, aesthetic and cultural evaluation of ceramic forms and their decorations from prehistoric times until today. Introduction to their properties and production techniques. Introduction and analysis of the composition of pigments used to dye ceramic articles. Analysis of causes of decay Analysis of restoration methods and properties of of materials used for the restoration of the article: traditional and contemporary procedures and materials. Application of adopted restoration procedures with the introduction to more complex procedures and restoration methods.  Introduction to the ethical and scientific principles of the profession during archaeological excavations and processing finds and restoration works on them.  To be introduced to work at the archaeological field; application of acquired knowledge and learned skills and the adoption of more complex archaeological and conservation procedures: conservation of archaeological structures.  Introduction to digital documenting of sites and finds and digitization of field documentation: making orthophoto images and field drawings using total station and Autocad. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The exam in Introduction to Specializations IV archaeological heritage passed | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. interpret cultural and aesthetic context of archaeological finds and sites,  2. distinguish, categorize and analyse archaeological ceramic articles from prehistory until today,  3. compare and examine traditional restoration methods and materials to the most contemporary methods and materials,  4. single out, verify and use optimal restoration processes and materials,  5. solve complex conservation and restoration problems at the archaeological site (land and underwater) and material.  6. prepare digital documentation of the site. | | | | | | | | | | | |
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| **COURSE TITLE** | **Art history of the 19th and the 20th century** | | | | | | | | | | | | |
| **Code** | | UAR192 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Toni Horvatić, Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 |  | | 10 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of basic facts related to historical-sociological, civilization-cultural, and artistic directions of development, scope and meaning of Fine Arts at home and abroad during the 19th and the 20th century. Training for understanding, knowledge and clear differentiation of various collective artistic practices and individual artistic phenomena during the said period, and understanding their meaning through the prism of time we live in. Encouraging to independent research work. The raising of awareness of knowledge of human creativity as a fundamental driver of the development of the species. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Art history 4 exam passed . | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | **1.** To apply knowledge and understanding in interpreting basic terms related to historical-artistic development and meaning of Fine Arts during the 19th and the 20th century;  2. Analyse, formulate and interpret adopted knowledge of fine arts of the 19th and the 20th century. in relation to the wider social context of the time;  3. Use basic ethical and aesthetic principles in approaching and evaluating each artistic practice;  4. Sharpen visual perception in recognizing different expressive forms of art at technological and the level of content,  5. Build and evaluate the idea of the need of constant care, preservation and restoration of artistic heritage as a future pledge of human creativity and progress. | | | | | | | | | | | |
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| **COURSE TITLE** | **Biology - selected chapters** | | | | | | | | | | | | |
| **Code** | | PMB070 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Nada Bezić, Full Professor, PhD | | | ECTS value | | | | 7 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 45 |  | | 45 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introducing students to areas of general biology, and segments of plant and animal cells, tissues and organisms used as materials in creating works of art. The pests occurring on the work of art will be dealt with in particular. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 5th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After having passed the exam, the students will be able to:   1. Acquire knowledge in the field of elementary biology and ability of using a microscope 2. Tell the difference between prokaryotic and eukaryotic organisms 3. Know and recognize the different plant tissues. 4. Distinguish the structure of wood 5. Diagnose different types of parasites on wood. | | | | | | | | | | | |
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| **COURSE TITLE** | **Applied organic chemistry in conservation and restoration II.** | | | | | | | | | | | | |
| **Code** | | PMC115 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Maja Pavela Vrančič,Ph.D., Full Prof, | | | ECTS value | | | | 2 | | | | |
| Associates | | Ph.D Selma Čustović, viši asistent | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 15 | 0 |
| Type of Course | | compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The student acquires the ability to apply practical experience and theoretical knowledge in organic chemistry through practical work in conservation and restoration activities. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed the courses in: Basics of organic chemistry and Applied organic chemistry in conservation and restoration I. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | * to be introduced to chemical structure, properties and use of organic compounds important in conservation and restoration * to select the appropriate test method according to the types of materials to be tested and the types of data required in conservation and restoration work | | | | | | | | | | | |
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| **COURSE TITLE** | **INSTRUMENTAL ANALYSIS IN CONSERVATION AND RESTORATION** | | | | | | | | | | | | |
| **Code** | | PMC217 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Ivica Ljubenkov, Assist.Prof. | | | ECTS value | | | | 4 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 | 0 | | 15 | 0 |
| Type of Course | | compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquire and understand the basics and application of instrumental methods of physical-chemical analysis in conservation and restoration. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 5th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | * To explain physical and chemical basis of individual methods of instrumental analysis * To distinguish methods according to groups of testing, * to select the appropriate test method according to the types of materials to be tested and the types of data required in conservation and restoration work * to interpret the results of analysis | | | | | | | | | | | |
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| **COURSE TITLE** | **Painting - production of replicas 1** | | | | | | | | | | | | |
| **Code** | | UAR UAR408  ISVU: 100879 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 5 | | 10 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | * Creating replicas - studies of paintings by old masters from the 12th to the 20th century after high quality reproductions - knowledge and understanding of technology of materials and technical process of painting - multi-layer construction of easel painting in tempera and oil on canvas. The course is divided into 4 semesters; In the first part the students work only on tonal study of space, primarily in tempera and then oil - in that sense, this course is a logical continuation of Tonal Painting course. Given templates represent works by great painters from the 16th to the 20th century, with emphasis on the best examples of tonal painting. * Encourage teamwork, communication between students and solving problems together * Cultivating understanding of works within the broader context and with regard to various aspects - term paper is related to exploring the author of the original, collecting data about materials , techniques and methods used, historical and stylistic context, size, where and why the work is currently located, in which condition it is in terms of restoration works, etc. * Creating a database of student works and Sub-Department holdings, the exhibition of the best works. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Tonal Painting exam - UAR20T | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Students will gain theoretical knowledge of painting techniques, and practical experience and knowledge of constructing a painting in layers. 2. The students will learn to use a variety of painting materials, their specificities, advantages and disadvantages. 3. They will develop their manual skills, perception and artistic sensibility through painting practice and have a better understanding when viewing works of art, thus appreciating cultural heritage better . 4. The students will improve research methods and painting skills through teamwork. This experience will improve the students' organizational and communication skills, tolerance and willingness to cooperate. 5. Through term paper they will be trained for a comprehensive approach to artistic work, from the aspect of technological and technical analysis to iconographic interpretation, artistic and historical context. | | | | | | | | | | | |
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| **COURSE TITLE** | **SCULPTURE 5** | | | | | | | | | | | | |
| **Code** | | UAR409 | | | Year of Study | | | | 3rd Year  5th Semester | | | | |
| **Name of Lecturer** | | Robert Jozić, Assistant Professor | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Upon completion of this course the students may independently express themselves artistically in the field of modelling a torso. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Sculpture 4 exam. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture 5 exam, be able to:  1. Create a torso after a gypsum template, or a living model.  2. Prepare an appropriate construction, a surface.  3. Master the craft of modelling techniques in clay.  4. Create a negative in gypsum.  5. Create a positive in gypsum.  6. Participate in making clay sculptures of larger format, a life-size figure and the like | | | | | | | | | | | |
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| **COURSE TITLE** | CONSERVATION AND RESTORATION 2  Stone | | | | | | | | | | | | |
| **Code** | | UAR503 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 10 | | | | |
| Associates | | Vinka Marinković, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Holding theoretical exercises and specialized seminars for better understanding of the issues of conservation, of both architectural and archaeological stone. Documentation, diagnostic research, analysis, conservation - restoration works.  A short overview of the history of documenting stone. Basic principles of documenting. Approaches and techniques for monitoring and documenting the existing situation. Evaluation, visualization, presentation of documents. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and Restoration 1 Stone course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) distinguish fragments of various parts of stone for sorting  2) connect fragments using regular glue and reinforcement bars  3) to make an accurate diagnosis using physical and chemical measurements and correctly record and analyse results  4) to determine the best ways of cleaning stone surface, moisture rehabilitation techniques and possible desalination, and its preservation and consolidation after implementing all previous procedures.  5) to create a professional term paper as final documentation of all tasks and processes performed during conservation and restoration | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 2**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | |
| **Code** | | UAR UAR504  ISVU | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Tonči Borovac, Ph.D., Assist.Prof. | | | ECTS value | | | | 10 | | | | |
| Associates | | Antonija Buljan, mr.art Senior Assistant  Nikola Radošević, Assistant  Krešimit Bosnić, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Gaining insight into research methods, from traditional through contemporary and, finally, experimental. Distinguishing between destructive and non-destructive research methods, and the circumstances of their suitability or necessity.  Gaining habits of detailed monitoring and documenting procedures, simulation of conservation - restoration studies. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and restoration 1 Mural paintings and mosaics course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) Theoretical mastering traditional and contemporary methods of research in conservation-restoration.  2) Understanding and selecting the application of non-destructive or destructive research methods in simulated restoration problems.  3) Theoretical mastering basic research methods in conservation and restoration.  4) Knowledge of basic types of laboratory research required in defining the causes of deterioration of materials  5) Understanding and selecting appropriate form of documentation in recording real conservation and restoration problems.  6) Independent keeping of conservation and restoration works documentation ;  7) The ability of devising protection studies. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 2**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | |
| **Code** | | UAR505  ISVU 100458 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Larisa Aranza,Associate Professor | | | ECTS value | | | | 10 | | | | |
| Associates | | Vesela Bizaca, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of material dealt with at the course. Suggest and elaborate on continuation of conservation and restoration work. The implementation of acquired knowledge (theoretical and practical) in conservation and restoration of polychrome wooden objects. Present and evaluate a conducted intervention (project). | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and restoration 1 Easel painting and polychrome wood course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To apply acquired knowledge to a given conservation and restoration project in a responsible and independent way.  2. To distinguish, identify and select the appropriate procedure considering the specificity and diversity of restoration projects.  3. To be able to discuss, explain and defend one's choice.  4. To evaluate, examine and assess all implemented procedures and works. | | | | | | | | | | | |
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| **COURSE TITLE** | CONSERVATION AND RESTORATION II  Metal | | | | | | | | | | | | |
| **Code** | | UAR506 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 10 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The students broaden professional competences in working with precious metals in the field of ecclesiastical treasures and objects from treasury. Task areas are defined on the basis of individual objects and / or larger convolute from a single collection. They are introduced to various phenomena of damage of primarily silver and gold surfaces and possible conservation-restoration procedures for protecting them. They produce comprehensive documentation of planned or executed practical and preventive conservation and restoration procedures independently or in a group. Additional focus lies on presentation and possibilities of restored objects presentation . | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and Restoration 1 Metal course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To be able to determine the degree and type of damage to gold and silver objects  2. To know how to connect fragments of gold and silver objects  3. To know how to reconstruct the missing pieces of gold and silver objects  4. To know how to display and present a restored object.  5. To create a term paper as final documentation of all tasks and processes performed during conservation and restoration. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION II**  **ARCHEOLOGIC HERITAGE** | | | | | | | | | | | | |
| **Code** | | UAR507 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Joška-Tea Katunarić  Senior Lecturer | | | ECTS value | | | | 10 | | | | |
| Associates | | Šime Perović, BA., glass restorer, Professional associate | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 60 | 15 | | 60 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 25% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to typology, dating, aesthetic and cultural evaluation of glass, wood, bone, etc. inorganic and organic objects and decorations on them from prehistoric times until today. Analysis of the composition of materials, their properties and causes of decay. Analysis of the composition of pigments the objects are dyed with and their properties and the causes of their deterioration. Introduction to restoration methods and properties of materials used in restoration of an object: traditional and contemporary procedures and materials. Application of adopted restoration procedures with the introduction to more complex restoration procedures.  Introduction to physical, aesthetic and pragmatic factors which determine the choice of the restoration procedure and materials.  Introduction to digitizing drawings of objects using Corel Draw and AutoCAD or other computer programmes. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and Restoration 1 Archaeological heritage course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. interpret cultural and aesthetic context of archaeological finds made from inorganic and organic materials,  2. distinguish, categorize and analyse archaeological objects from prehistory until today,  3. analytically examine the causes of their decay,  4. compare and examine traditional restoration methods and materials for inorganic and organic finds to the most contemporary ones,  5. single out, verify and use optimal restoration procedures and materials,  6. solve complex conservation and restoration problems at the archaeological site (land and underwater) and material.  7. prepare digital documentation of a find using more demanding computer programmes. | | | | | | | | | | | |
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| **COURSE TITLE** | **ARHITECTURAL CONSERVATION - HISTORY AND METHODS OF PROTECTION** | | | | | | | | | | | | |
| **Code** | | UAR202 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Miona Miliša, Ph.D., lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 25 | 5 | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Acquisition of basic concepts used in methodology of architectural conservation  from ancient times to the 21st century. Acquisition of knowledge of the history of  architectural heritage from ancient times to the 20th century. Knowing methods of  conservation of historic buildings, research, analysis and documenting them.  In a narrow sense, the application of that knowledge to developing views and interpreting specific examples of conservation and restoration of architectural objects. The students should learn the characteristics of each period in art history related to the preservation and protection of cultural heritage. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required Introduction to architectural conservation - materials and techniques 1 and 2 course programmes (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Evaluate protection issues of cultural heritage. Basic concepts related to the course, introduction to the protection issues of architectural heritage and other cultural heritage.  2. Describe methods of research and documenting monuments.  3. Interpret main causes of cultural heritage degradation.  4. Distinguish between types of intervention and methods of protecting monuments.  5. Explain theoretical and practical knowledge of development of the protection of architectural heritage through history, as well as knowledge of methods and process of protection of historic buildings, architectural complexes and archaeological sites. | | | | | | | | | | | |
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| **COURSE TITLE** | **Inorganic Materials** | | | | | | | | | | | | |
| **Code** | | PMC216 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Jelica Zelić, PhD | | | ECTS value | | | | 6 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 45 |  | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Knowledge of structure, properties and composition of selected inorganic materials which may be applied in practical conservation and restoration activities representing the way to discover the secrets of their origin, treatment and protection. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Inorganic Chemistry course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After having passed this exam, the students will be able to:   1. Distinguish and explain physical and chemical conditions of mineral raw materials genesis 2. Explain properties and behaviour of clay minerals in water-clay system depending on the structure of clay minerals, and the role of electrolytes and gypsum mould in the process of preparing cast masses. 3. Explain the difference in the structure of ceramic material tile depending on drying and baking (sintering). 4. Distinguish processes of hydration, setting and hardening of mineral binders 5. Assess the impact of weather conditions to corrosion and deterioration of technical and decorative stone. 6. Explain the process of wear and / or corrosion of the surface of technical glass under the influence of water, weather conditions, acids and alkalis 7. Explain the processes of reduction and oxidation in the production of iron and steel, electrothermical processes in the production of ferro-alloys and processes of obtaining aluminium and other non-ferrous metals. 8. Distinguish between natural and artificial inorganic pigments. 9. Assess the resistance of inorganic pigments under the influence of water, weather conditions, acids and alkalis 10. Assess the quality of water with respect to carbonate, non-carbonate and total hardness of water and apply methods of softening water depending on its intended use / application. | | | | | | | | | | | |
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| **COURSE TITLE** | **LABORATORY RESEARCH METHODS IN CONSERVATION AND RESTORATION** | | | | | | | | | | | | |
| **Code** | | PMC218 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Ivica Ljubenkov, Assistant Professor | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 0 | | 30 | 0 |
| Type of Course | | compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The students will be trained for conducting basic methods of physical-chemical analysis in conservation and restoration. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 6th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | * to develop a plan for testing a particular object, * to propose and apply appropriate examination techniques, * to use instruments, * to implement and interpret the results of instrumental examination. | | | | | | | | | | | |
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| **COURSE TITLE** | **Radiographic recording in conservation and restoration of works of art** | | | | | | | | | | | | |
| **Code** | | UAR50R | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Frane Mihanović | | | ECTS value | | | | 3 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | 1. Acquiring basic facts about the formation of radiographic images, analogue, digital and CT. 2. Acquiring basic facts related to radiological devices and their application in conservation - restoration. 3. Acquiring basic facts related to the application of radiographic recording in the field of easel painting and polychrome wood, stone, plaster, ceramic and metal | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 6th Semester of Conservation - Restoration study programme  Computer and information literacy. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Describe introduction to radiography 2. Describe the formation of radiographic images, analogue, digital and CT. 3. Describe radiological devices and their application in conservation - restoration. 4. Describe radiographic recording 5. Use software to analyse the obtained digital radiographic images 6. Describe the possibility of digital radiographic recording in the field of easel painting and polychrome wood, stone, plaster, ceramic and metal 7. Describe the possibility of digital radiographic recording in the field of stone and plaster. 8. Describe the possibility of digital radiographic recording in the field of metal. | | | | | | | | | | | |
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| **COURSE TITLE** | **ENGLISH IN CONSERVATION - RESTORATION 4** | | | | | | | | | | | | |
| **Code** | | UAR3RE | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Katarina Hraste, MSc, Senior Lecturer | | | ECTS value | | | | 2 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 15 | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Development of language, communication and pragmatic competences, with C1 being the target level of achievement .The emphasis is on restoration-conservation professional vocabulary. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by English in Conservation-Restoration 3 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | A further increase in linguistic, communicative and pragmatic competence. Fluent and spontaneous expression without searching for an appropriate term for a long time, active use of professional language , qualifications for presentation of topics on professional conferences, participation in professional discussions on familiar topics | | | | | | | | | | | |
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| **COURSE TITLE** | **PAINTING – PRODUCTION OF REPLICAS II.** | | | | | | | | | | | | |
| **Code** | | UAR UAR508  ISVU 100877 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 |  | | 10 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | * Creating replicas - studies of paintings by old masters from the 12th to the 20th century after high quality reproductions - knowledge and understanding of technology of materials and technical process of painting - multi-layer construction of easel painting in tempera and oil on canvas. This course is a continuation of Painting - making replicas I course when our priority was definition of space through tonal modelling. In the sixth semester, the tonal sub picture from the fifth semester is enriched with colour and texture studies. * Encourage teamwork, communication between students and solving problems together * Cultivating understanding of works within the broader context and with regard to various aspects - term paper is related to exploring the author of the original, collecting data about materials , techniques and methods used, historical and stylistic context, size, where and why the work is currently located, in which condition it is in terms of restoration works, etc. * Creating a database of student works and Sub-Department holdings, the exhibition of the best works. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Painting – production of replica 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Students will gain theoretical knowledge of painting techniques, and practical experience and knowledge of constructing a painting in layers.  1. The students will learn to use a variety of painting materials, their specificities, advantages and disadvantages. 2. They will develop their manual skills, perception and artistic sensibility through painting practice and have a better understanding when viewing works of art, thus appreciating cultural heritage better . 3. The students will improve research methods and painting skills through teamwork. This experience will improve the students' organizational and communication skills, tolerance and willingness to cooperate. 4. Through term paper they will be trained for a comprehensive approach to artistic work, from the aspect of technological and technical analysis to iconographic interpretation, artistic and historical context. | | | | | | | | | | | |
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| **COURSE TITLE** | **SCULPTURE 6** | | | | | | | | | | | | |
| **Code** | | UAR509 | | | Year of Study | | | | 3rd Year  6th Semester | | | | |
| **Name of Lecturer** | | Robert Jozić, Assistant Professor | | | ECTS value | | | | 2 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 |  | | 10 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Upon completion of this course the students may independently express themselves artistically in the field of modelling nude. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Sculpture 5 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture 6 exam, be able to:  1. Create a nude after a gypsum template, or a living model.  2. Prepare an appropriate construction, a surface.  3. Master the craft of modelling techniques in clay.  4. create a negative in gypsum.  5. create a positive in gypsum.  6. Participate in making clay sculptures of larger format, a life-size figure and the like | | | | | | | | | | | |
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7th SEMESTER

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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 3**  **Stone** | | | | | | | | | | | | |
| **Code** | | UAR603 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Marin Barišić, Assistant Professor | | | ECTS value | | | | 14 | | | | |
| Associates | | Vinka Marinković, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 75 | 15 | | 75 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Holding theoretical exercises and specialized seminars for better understanding of the issues of conservation, of both architectural and archaeological stone. Documentation, diagnostic research, analysis, conservation - restoration works.  Basic principles of documenting. Approaches and techniques for monitoring and documenting the existing situation. Evaluation, visualization, presentation of documents. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Conservation and restoration 2 Stone exam | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) visually identify the degree of damage to objects, examine the degree and type of damage, harmful deposits on the stone  2) conduct laboratory testing of all the chemical and physical parameters of the stone to be treated  3) to make an accurate diagnosis using physical and chemical measurements and correctly record and analyse results, develop a programme for conservation and restoration works  4) to determine the best ways of cleaning stone surface, moisture rehabilitation techniques and possible desalination, and its preservation and consolidation after implementing all previous procedures.  5) to create a professional term paper as final documentation of all tasks and processes performed during conservation and restoration | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION 3**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | | |
| **Code** | | UAR UAR604  ISVU | | | Year of Study | | | | 4th Year  7th Semester | | | | | |
| **Name of Lecturer** | | Branko Matulić, Ph.D. | | | ECTS value | | | | 14 | | | | | |
| Associates | | Krešimit Bosnić, Assistant  Nikola Radošević, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T | |
| 75 | 15 | | 75 | 0 | |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | By acquiring theoretical knowledge and studying of real-life examples, we aim to raise the level of knowledge, skills and abilities to conservation and restoration tasks of medium complexity within teamwork guided by the mentor Developing (self) critical attitude towards monument and conservation and restoration work through practical, independent and team work. | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Conservation and restoration 2 exam in  Mural painting and mosaics. | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) To identify and understand the technology, methods and materials which make up an integral part of contemporary conservation and restoration procedure on mural paintings and mosaics,  2) Developed manual skills in applying technologies and specific materials in conservation and restoration of mural paintings and mosaics;  3) Developed team work with a sense of coordination and subordination under the guidance of a mentor in performing specific tasks related to conservation and restoration work,  4) Achieved independence in work and in making medium demanding decisions when performing conservation and restoration procedure,  5) Develop a critical attitude towards conservation and restoration work by recognizing / understanding the complexity of the case and using appropriate methods and materials | | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION III**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | |
| Code | | UAR605 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| Name of Lecturer | | Jurica Matijević, Associate Professor | | | ECTS value | | | | 14 | | | | |
| Associates | | Sagita Mirjam Sunara, Assistant Professor  Lana Kekez, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 75 | 15 | | 75 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | |
| Objectives | | Knowledge of the original features of easel painting construction elements. Understanding the process of degradation of of those construction elements.  Training students for developing the concept of conservation and restoration work on easel painting. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed exam in:  CONSERVATION AND RESTORATION II  EASEL PAINTINGS AND POLYCROME WOOD | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After passing this exam, the student will master the following on a basic level;    Knowledge of the original features of easel painting construction elements.  Knowledge of processes of decay of easel painting construction elements.  He / she may analyse the construction elements of a painting and the processes of their decay on a concrete example of easel painting.  He / she may develop the concept of conservation and restoration work on a concrete example of easel painting. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION III**  **Metal** | | | | | | | | | | | | |
| **Code** | | UAR606 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 14 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 75 | 15 | | 75 |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Insight into the work with technical cultural assets, primarily metal objects created in the 19th and 20th century (industrial structures, machinery, vehicles, scientific and musical instruments, media and metal objects from everyday life). Introduction to the specifics of the work on these objects and learning conceptual and practical approach to their conservation-restoration Introduction to new materials: synthetic and natural plastics and gum, degradation processes and knowledge of basic conservation and restoration measures - possibilities of cleaning, gluing and consolidation. Together with continuous training in conservation and restoration methods in the field of metal, the students are also introduced to the current trends and the development of theory and practice at international examples. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Conservation and restoration 2 exam in  Metal. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. The knowledge of the basis of legal, ethical, professional principles when implementing conservation and restoration works on metal. Recognition of differences; important - not important, damaged - undamaged old - new. Visual recognition of the degree of damage to objects.  2. To know how to access technical cultural assets properly, taking into account their historical value.  3. To determine the best methods of conservation and restoration of technical objects, to develop conservation and restoration works programme  4. To know basic characteristics of synthetic and natural gum and plastics and processes of their degradation. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION III**  **ARCHEOLOGICAL HERITAGE** | | | | | | | | | | | | |
| **Code** | | UAR607 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Miona Miliša, Ph.D. ,lecturer | | | ECTS value | | | | 14 | | | | |
| Associates | | Šime Perović, Professional Associate | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 75 | 15 | | 75 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The students will be trained to work on objects from the same material or on group of objects from different materials that make up the archaeological assemblage from the moment when the object is removed from the cultural layer or water, whether it be on land or underwater site, until its final storage in the depot or presentation in the exhibition hall | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed exam in CONSERVATION AND RESTORATION II - Archaeological heritage | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Plan and perform conservation and restoration works at the archaeological field (land and underwater) and restoration workshop.  2. Analyse material the archaeological objects are made of, their damage and causes of decay and choose material for conservation and restoration of objects.  3. Ability to choose restoration techniques and materials that will be resistant to permanent storage or exposure of objects.  4. Determining optimal conditions and location for permanent storage of materials.  5. Full drafting of field and conservation and restoration documentation.  6. Mastering specific research, documentation and conservation methods in underwater research. | | | | | | | | | | | |
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| **COURSE TITLE** | **Applying computers in conservation and restoration** | | | | | | | | | | | | |
| **Code** | | UAR UAR00P  ISVU 100774 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor  Frane Mihanović, MSc, Senior Lecturer  Miona Miliša, PhD, lecturer | | | ECTS value | | | | 3 | | | | |
| Associates | | Vinka Marinković, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 20 | 10 | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 40% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | 1. Acquiring basic facts related to computers and their influence to application in conservation - restoration. 2. Acquisition of basis of Auto cad (2D and 3D) programmes and programmes for rectification of photographs with the prior explanation of photo gravimetric and 3D scanning techniques. The possibilities of these techniques will be explained, their shortcomings, but also the possibility of combining them. We will provide examples from the actual practice of the Croatian Conservation Institute and Arts& Academy in Split (Diocletian's Palace Peristyle in Split, Saint James Cathedral in Šibenik, and tombstones from Crljevica site near Cista Velika...) .We also plan to tackle mapping and marking of damage. 3. To introduce students to the basics of using Microsoft Office (Word, Excel, Power point) when making conservation and restoration documentation. 4. Introduce students to the use of digital microscopes when analysing artefacts (on original objects at faculty or any of the restoration workshops) and taking photos using a digital microscope on a variety of materials. 5. Demonstrate the possibilities of the programme for processing photographs on a number of examples (AdobePhotoshop CS6, FastStone Image Viewer, ArtRage Studio etc.) and their application in preparing conservation and restoration documents. 6. Pass basic knowledge on designing a website in flash and html5 platform using on-line tools (Googlesites, Wix.com) | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 7th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Students will be able to explain basic concepts in the field of computers, computer interfaces and computer peripheral devices 2. Students will be able to explain basic characteristics of digital images and application software in conservation and restoration 3. Students will acquire the basics of Auto cad (2D and 3D) programmes and programmes for rectification of photographs. 4. The students will be able to use the basics of Microsoft Office   (Word, Excel) when preparing conservation and restoration documents.   1. The student will be able to use a digital microscope. 2. The students will be introduced to the possibilities of the programme for processing photographs (AdobePhotoshop CS6, FastStone Image Viewer, ArtRage Studio etc.) And their application in preparing conservation and restoration documents. 3. They will gain basic knowledge of designing a website in flash and html5 platform using on-line tools (Googlesites, Wix.com) | | | | | | | | | | | |
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| COURSE TITLE | **ENGLISH PRACTICE FOR CONSERVERS AND RESTORERS 1.** | | | | | | | | | | | | |
| Code | | UAR6RE | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| Name of Lecturer | | Katarina Hraste, MSc, Senior Lecturer | | | ECTS value | | | | 3 ECTS | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 | 15 | |  |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0% | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | |
| Objectives | | The development of language, communication and pragmatic competences, with C2 being .the target level of achievement . | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | ENGLISH IN CONSERVATION - RESTORATION 4 exam passed | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | In-depth understanding of complex professional texts in the field of conservation-restoration, description and presentation of complex technical topics, spontaneous expressing in the field of profession without a long search for a term and successful use of language for social and professional purposes. | | | | | | | | | | | |
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| **COURSE TITLE** | **Introduction to conservation and restoration of modern and contemporary art** | | | | | | | | | | | | |
| **Code** | | UAR60S | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Mirta Pavić, Lecturer | | | ECTS value | | | | 2 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | |  |  |
| Type of Course | | compulsory | | | Percentage of e-learning | | | | - | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Understanding the difference between conservation and restoration access to traditional and contemporary work of art and providing guidelines when deciding on conservation and restoration procedure and the application of acquired knowledge in practice.  Understanding and recognizing all the components of contemporary work of art, its context and method of its storage.  Monitoring recent developments in this field of the profession.  Raising awareness of the need for conservation and restoration of contemporary art and its position in the social and historical context.  The acquisition of basic knowledge and availability of information to students who will have affinity towards contemporary art and possibly opt for this field of work in the future. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 7th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After having passed the exam, the students will be able to:  Understand cultural, historical and artistic importance of contemporary art and its protection and conservation.  Learn about new media and materials and recognize the specific needs for maintaining and access to these materials.  Identify and safeguard the intangible segment of the work of art (movement, sound, etc.) in determining conservation and restoration methodologies and procedures.  Know the contemporary history of the profession and events that have influenced its development after the Second World War.  Become aware of the ambiguity of artistic object and the need for individual consideration through composition and nature of the material it is made of. | | | | | | | | | | | |
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| **COURSE TITLE** | **Painting – production of replicas III** | | | | | | | | | | | | |
| **Code** | | UAR UAR608  ISVU 100878 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 4 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 45 |  | | 30 |  |
| Type of Course | | elective | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | * Production of replicas - studies of paintings by old masters from the 12th to the 20th century after high quality reproductions - knowledge and understanding of technology of materials and technical process of painting - multi-layer construction of easel painting in tempera and oil on canvas.(The course is divided into 4 semesters, at the third year the students produce a less accurate replica of the painting and gain experience in painting and teamwork, first in tempera, then oil. At the 4th year the emphasis is on own, individual work, a more detailed and more accurate replica - given different templates, the students work in different techniques. * Cultivating understanding of works within the broader context and with regard to various aspects -collecting data about author, materials , techniques and methods used, social, historical and stylistic context, size, where and why the work is currently located, restoration interventions, possible changes in size, subframes, frames, etc. * Creating a database of student works and Sub-Department holdings, the exhibition of the best works. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed Painting - making replicas 2 exam | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | Students will gain theoretical knowledge of painting techniques, and practical experience and knowledge of constructing a painting in layers.The students will learn to use a variety of painting materials, binding agents, pigments, solvents, varnishes and additives to binding agents, their specificities, advantages and disadvantages.They will develop their manual skills, perception and artistic sensibility through painting practice and have a higher understanding when viewing works of art, thus appreciating cultural heritage better.They will acquire a comprehensive approach to artistic work, from the aspect of technological and technical analysis to iconographic interpretation, artistic and historical context. | | | | | | | | | | | |
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| **COURSE TITLE** | **Sculpture - sculptural reconstructions I** | | | | | | | | | | | | |
| **Code** | | UAR609 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Robert Jozić, Assistant Professor | | | ECTS value | | | | 4 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 45 |  | | 30 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Upon completion of this course the students may independently express themselves artistically in the field of modelling and reconstruction of: nude, torso, portrait, figure and abstract form. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 7th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture - reconstructions 1 exam, be able to:  1. Create - reconstruct a given problem after a gypsum template, or a living model.  2. Prepare an appropriate construction, a surface.  3. Master the craft of modelling techniques in clay, gypsum, wood, stone.  4. create a negative in gypsum.  5. create a positive in gypsum.  6. Participate in making clay sculptures of larger format, a life-size figure and the like | | | | | | | | | | | |
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| UAL70I | LANGUAGE CULTURE |

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| **COURSE TITLE** | **DOCUMENTATION PHOTOGRAPHY IN CONSERVATION AND RESTORATION** | | | | | | | | | | | | | |
| Code | | UAR00D | | | Year of Study | | | 1st Year / 1st Semester  4th Year / 7th Semester  4th Year / 8th Semester | | | | | | |
| Name of Lecturer | | Žana Matulić Bilač, Assistant Professor | | | ECTS value | | | 2 | | | | | | |
| Associates | | Robert Matić, Professional Associate | | | Teaching (number of hours per semester) | | | L | | S | | E | | T |
| 30 | |  | |  | |  |
| Type of Course | | Elective | | | Percentage of e-learning | | | 0 | | | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | | |
| Objectives | | Be introduced to the application of photography in conservation - restoration; Master the technique of taking photographs. Be introduced to other recording methods (X-ray, IR, UV). | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 7th Semester of Conservation - Restoration study programme | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After passing this exam, the student will master the following on a basic level;  1. the basic concepts of analogue and digital photography  2. 2. proper use of analogue and digital photography  3. the technique of infra-red, X-ray and UV recording and is able to interpret the results of that recording  4. photographing in special lighting conditions (photographing in side light, photographing with light through the subject, photographing a more or less transparent material)  5. photographing under a microscope.  6. photographing certain surface structures, textures, matte, shine, relief, rough, smooth | | | | | | | | | | | | |
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| **COURSE TITLE** | **Technical analysis and historical reconstructions I** | | | | | | | | | | | | |
| **Code** | | UAR UAR00T  ISVU 100982 | | | Year of Study | | | | 4th Year  7th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | |
| Associates | | Sandra Šustić, mr.art in restoration an conservation,  Professional Associate | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 15 |  | | 15 |  |
| Type of Course | | elective | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Paintings are heterogeneous and very complex in structure.. To understand them it is necessary to apply analytical techniques (destructive and non-destructive) and explore historical and archival sources (traditional recipes, painting manuscripts and tractates, manuals on painting materials and painting technology).  Course content combines theoretical and practical program through which students acquire knowledge and skills and build ethical attitudes necessary for future work in the profession.  The theoretical part of the course is aimed at technical research with advanced problem solving, planning and critical appraisal. This segment of teaching constructively combines basic knowledge of conservation-restoration of easel paintings and polychrome wood, painting technology, applied chemistry and instrument and laboratory research methods.  Theoretical and practical part of the course are closely related Each lecture / exercise includes a case study that is, making a historical reconstruction of the work of art (the entire composition or details) based on the results of technical analysis and the study of historical sources  The practical work is accompanied by written and photo documentation. At the beginning of the semester, following the agreement with the lecturer, the students will choose work of art to be copied. The idea is that each student works at a work of art from a different stylistic period and make a full copy of the selected work of art or its segment during the 7th and 8th semester.  In the the first semester, the objective is to define and conduct research methodology in creating historical reconstructions of paintings, by researching the published technical studies and historical sources. Since scientific analysis in restoration and its interpretation are a leading tool for proving the authenticity of the work of art, the cases of wrongly interpreted works of art or cleverly devised forgeries will be analysed . | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 7th Semester of Conservation - Restoration study programme | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:   1. correctly interpret the concept of "technical art history" 2. define basis of preliminary research in creating a historical reconstruction of the painting; 3. understand theoretical and practical knowledge of collecting and interpreting information on construction materials of paintings and techniques of their making; 4. distinguish work processes, materials and techniques of old masters; 5. elaborate on the importance of (natural ) scientific research in conservation-restoration; 6. define basics of documenting this kind of practical work. | | | | | | | | | | | |
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8th Semester

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| **COURSE TITLE** | **CONSERVATION AND RESTORATION IV**  **Stone** | | | | | | | | | | | | |
| **Code** | | UAR703 | | | Year of Study | | | | 4th Year  8th Semester | | | | |
| **Name of Lecturer** | | Marin Barišić, Assistant Professor | | | ECTS value | | | | 18 | | | | |
| Associates | | Vinka Marinković, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 105 | 15 | | 105 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Based on the fundamental theoretical determinants during teaching process, the students are gradually introduced to methodological and technical conservation and restoration interventions with the use of the most effective executive techniques and aspects of the protection procedures. Introduction to theoretical - scientific assumptions as preconditions for methodological - technical approach to examining- research and their optimal interpretation in the form of optimal solution to the problems of conservation restoration of stone. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and Restoration III. Stone course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) visually identify the degree of damage to objects, examine the degree and type of damage, harmful deposits on the stone  2) conduct laboratory testing of all the chemical and physical parameters of the stone to be treated  3) to make an accurate diagnosis using physical and chemical measurements and correctly record and analyse results, develop a programme for conservation and restoration works  4) to determine the best ways of cleaning stone surface, moisture rehabilitation techniques and possible desalination, and its preservation and consolidation after implementing all previous procedures.  5) to create a professional term paper as final documentation of all tasks and processes performed during conservation and restoration | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION IV**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | |
| **Code** | | UAR UAR704  ISVU | | | Year of Study | | | | 4th Year  8th Semester | | | | |
| **Name of Lecturer** | | Branko Matulić, Ph.D. | | | ECTS value | | | | 18 | | | | |
| Associates | | Krešimit Bosnić, Assistant  Nikola Radošević, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 105 | 15 | | 105 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | By studying real, exact conservation and restoration cases and mentoring when working on them, the participants of the course are encouraged to use the acquired knowledge in theory and simulated problems covered during previous courses, in order to prepare them for a proper approach to independent work in the profession. During described processes, a special attention is paid to raising awareness of delicacy and uniqueness of each monument, as well as questioning practices or developing new approaches in applying restoration and conservation treatment to particular cases. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and restoration III Mural paintings and mosaics course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) Practical application of theoretical knowledge gained in previous semesters  2) Analysis of problems and causes of monument deterioration.  3) Ability to design strategies of conservation-restoration for particular cases  4) Practical mastering of basic procedures for the protection of mural paintings and mosaics. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION IV**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | |
| Code | | UAR705 | | | Year of Study | | | | 4th Year  8th Semester | | | | |
| Name of Lecturer | | Jurica Matijević, Associate Professor | | | ECTS value | | | | 18 | | | | |
| Associates | | Sagita Mirjam Sunara, Assistant Professor  Lana Kekez, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 105 | 15 | | 105 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | |
| Objectives | | Knowledge of the original features of easel painting construction elements. Understanding the process of degradation of of those construction elements.  Training students for developing the concept of conservation and restoration work on easel painting. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and restoration III. Easel painting and polychrome wood course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After passing this exam, the student will master the following on a basic level;    Knowledge of the original features of easel painting construction elements.  Knowledge of processes of decay of easel painting construction elements.  He / she may analyse the construction elements of a painting and the processes of their decay on a concrete example of easel painting.  He / she may develop the concept of conservation and restoration work on a concrete example of easel painting. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION IV**  **Metal** | | | | | | | | | | | | |
| **Code** | | UAR706 | | | Year of Study | | | | 4th Year  8th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 18 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 105 | 15 | | 105 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Introduction to practical and protective treatment of archaeological and hydro-archaeological objects, securing them during excavating process as well as cleaning, gluing and consolidation procedures . Introduction to long-term and short-term requirements in exhibiting the objects and preparation of presentation aids for objects with different types of showcases and their climate adaptation according to needs of various types of materials. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and Restoration III. Metal course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) Visually identify the degree of damage to archaeological and hydro-archaeological objects made from metal, examine the degree and type of damage.  2) To be able to determine conditions and methods of transport and storage of objects prior to treating them in the workshop  3) To be able to determine the most appropriate methods of cleaning the surface of archaeological and hydro-archaeological objects made from metal, depending on the type of metal ad degree of decay.  4) to create a professional term paper as final documentation of all tasks and processes performed during conservation and restoration of archaeological or hydro-archaeological objects. | | | | | | | | | | | |
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| **COURSE TITLE** | **CONSERVATION AND RESTORATION IV**  **ARCHEOLOGICAL HERITAGE** | | | | | | | | | | | | |
| **Code** | | UAR707 | | | Year of Study | | | | 4th Year  8th Semester | | | | |
| **Name of Lecturer** | | Miona Miliša, Ph.D., lecturer | | | ECTS value | | | | 18 | | | | |
| Associates | | Šime Perović, Professional Associate | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 105 | 15 | | 105 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | To have the knowledge acquired during teaching units using multimedia resources. To understand the content of interactive teaching and group work on given tasks. To be introduced to field classes: field work on land or underwater archaeological site. To understand practical classes: exercises on original objects at the faculty or a restoration workshop. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Conservation and Restoration III. Archaeological heritage course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Apply acquired methods and techniques of conservation and restoration work at archaeological fields (land and underwater) and during treatment of archaeological material from the moment it is found until display or storage in depots.  2. Propose solutions to the storage of archaeological material, either in the depot or in the museum collection  3. Use acquired knowledge in independent work with archaeological material.  4. Choose the method of making replicas of archaeological objects.  5. Present conducted conservation-restoration works | | | | | | | | | | | |
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| **COURSE TITLE** | **METHODOLOGY OF SCIENTIFIC RESEARCH** | | | | | | | | | | | | | | |
| **Code** | | UAR UAR00Z  ISVU | | | Year of Study | | | | 4th Year  8th Semester | | | | | | |
| **Name of Lecturer** | | Branko Matulić, Ph.D. | | | ECTS value | | | | 3 | | | | | | |
| Associates | | Krešimit Bosnić, Assistant  Nikola Radošević, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | | T | |
| 30 | 15 | | 0 | | 0 | |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | | |
| Objectives | | Based on the fundamental theoretical determinants during teaching process, the students acquire knowledge for practical application of basic scientific methods and techniques for writing term, graduation and other forms of professional and scientific papers | | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | Enrolment to the 8th Semester of Conservation - Restoration study programme | | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Identify and acquire all relevant concepts of scientific methodology. 2. Understand and interpret the system and method of conducting research work, origin of scientific data and writing reports on scientific results. 3. Critically evaluate scientific processes and results. 4. Plan, organize, draw up, present and defend term, graduate, professional and scientific paper | | | | | | | | | | | | | |
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| **COURSE TITLE** | **ENGLISH PRACTICE FOR CONSERVERS AND RESTORERS 2.** | | | | | | | | | | | | | |
| **Code** | | UAR7RE | | | Year of Study | | | | 4th Year  8th Semester | | | | | |
| **Name of Lecturer** | | Katarina Hraste, MSc, Senior Lecturer | | | ECTS value | | | | 3 ECTS | | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | | T |
| 15 | 15 | |  | |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0% | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | Development of language, communication and pragmatic competences, with C2 being .the target level of achievement . | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by English Practice 1 course programme (signed by the lecturer) | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | In-depth understanding of relevant specialized topics, precise knowledge of vocabulary (English and Croatian), mastering typical grammatical structures, precise use of translation tools. | | | | | | | | | | | | |
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| **COURSE TITLE** | **Painting – production of replicas IV** | | | | | | | | | | | | |
| **Code** | | UAR UAR708  ISVU 100880 | | | Year of Study | | | | 4th Year  8th Semester | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 4 | | | | |
| Associates | | - | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | | 30 |  |
| Type of Course | | elective | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | * Creating replicas - studies of paintings by old masters from the 12th to the 20th century after high quality reproductions - knowledge and understanding of technology of materials and technical process of painting - multi-layer construction of easel painting in tempera and oil on canvas.(The course is divided into 4 semesters, at the third year the students produce a less accurate replica of the painting and gain experience in painting and teamwork, first in tempera, then oil. At the 4th year the emphasis is on own, individual work, a more detailed and more accurate replica - given different templates, the students work in different techniques. * Cultivating understanding of works within the broader context and with regard to various aspects -collecting data about author, materials , techniques and methods used, social, historical and stylistic context, size, where and why the work is currently located, restoration interventions, possible changes in size, subframes, frames, etc. * Creating a database of student works and Sub-Department holdings, the exhibition of the best works. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Painting – prouction of replicas III. course programme (signed by the lecturer) | | | | | | | | | | | |
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| **COURSE TITLE** | **Sculpture - sculptural reconstructions II** | | | | | | | | | | | | |
| **Code** | | UAR709 | | | Year of Study | | | | 4th Year  8th Semester | | | | |
| **Name of Lecturer** | | Robert Jozić, Assistant Professor | | | ECTS value | | | | 4 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 30 |  | | 30 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Upon completion of this course the students may independently express themselves artistically in the field of modelling and reconstruction of: nude, torso, portrait, figure and abstract form. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Sculpture - sculptural reconstructions 1 course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed Sculpture - reconstructions 1 exam, be able to:  1. Create - reconstruct a given problem after a gypsum template, or a living model.  2. Prepare an appropriate construction, a surface.  3. Master the craft of modelling techniques in clay, gypsum, wood, stone..  4. Create a - reconstruct the missing piece using suitable material  5. Participate in making a sculpture of a larger format, a life-size figure and the like | | | | | | | | | | | |
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| **COURSE TITLE** | Technical analysis and historical reconstructions II | | | | | | | | | | | | | |
| **Code** | | UAR UAR10T  ISVU 100983 | | | Year of Study | | | | 4th Year  8th Semester | | | | | |
| **Name of Lecturer** | | Mladen Čulić, Associate Professor | | | ECTS value | | | | 2 | | | | | |
| Associates | | Sandra Šustić, mr.art., Professional Associate | | | Teaching (number of hours per semester) | | | | L | | S | | E | T |
| 15 | |  | | 15 |  |
| Type of Course | | elective | | | Percentage of e-learning | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Objectives | | * The objective is to apply acquired knowledge of technology of creating painting (based on published scientific techniques of examination and researched historical sources) when creating historical reconstructions of paintings.. Besides providing insight into the original appearance of the object and the practice of painting workshops from a specified time (stylistic) period, these reconstructions provide reference models for analysing the ageing and deterioration of materials (works of art), and therefore serve as didactic tools. * Theoretical and practical part of the course are closely related Each lecture / exercise includes a case study that is, making a historically precise reconstruction of the work of art or its segment (if it is a larger work) based on the results of technical analysis and the study of historical sources Practical work is accompanied by written and photo documentation. * The first step in creating a historically precise reconstruction is the analysis of historical sources: introduction to painting' materials and the way they were combined and applied throughout history. (One of the objectives is the creation of a database of historical recipes. Recipes are selected with regard to the area of interest for a particular case study: traditional processing of pigments and painting media, preparation, materials inherent to certain painters, etc.) Reconstruction of the paiting is done in such a way that each stage in the process of creation remains visible on the surface in the form of a probe, that is, all the layers of the painting should be seen: surface - impregnation - preparation - painted layer - final coating. Reconstruction thus becomes didactic tool helping students understand the technological genesis of a work of art and the complexity of its stratigraphy. | | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Technical analysis and historical reconstructions 1 course programme (signed by the lecturer) | | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:   1. design and apply research methodology during the reconstruction of painting materials and techniques; 2. describe and interpret the characteristics of painting materials and techniques 3. create and analyse painting materials according to traditional recipes; 4. perform gradual reconstruction of a painted layer stratigraphy 5. improve manual skills for applying paint in a variety of painting techniques (alla prima, lasur painting technique, impasto ... 6. preform documenting nd presentation of this kind of practical work. | | | | | | | | | | | | |
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| UAR00D | DOCUMENTATION PHOTOGRAPHY IN CONSERVATION AND RESTORATION |

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| **NAZIV PREDMETA** | **Plastična anatomija II (slik PRED)** | | | | | | | | | |
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9th SEMESTER

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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis I.**  **Stone** | | | | | | | | | | | | |
| **Code** | | UARK01 | | | Year of Study | | | | 5th Year  9th Semester | | | | |
| **Name of Lecturer** | | Ivo Donelli, Associate Professor  Marin Barišić, Assistant Professor  Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 30 | | | | |
| Associates | | Vinka Marinković, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The student graduates at a specialisation he / she chose at the second year of study The main mentor is someone from the chosen specialisation, and the co-mentor may be any teacher in the rank of a lecturer or higher who taught the student during his /her studies. **The subject has to be related to a chosen specialisation.** Based on acquired theoretical and practical knowledge in conservation and restoration of stone,together with lectures and mentoring, the students are encouraged to work independently on conservation and restoration of cultural monuments.. After having processed documents and performed diagnostics, the conservation, reconstruction and consolidation of a stone monument may start. Intervention depends on availability and type of object for conservation and restoration intervention. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to pass the exam in Conservation and restoration IV. Stone course programme from the previous semester | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) identify the degree of damage to objects, examine the degree and type of damage, harmful deposits on the stone  2) conduct laboratory testing of all the chemical and physical parameters of the stone to be treated  3) to make an accurate diagnosis using physical and chemical measurements and correctly record and analyse results, develop a programme for conservation and restoration works  4) to determine the best ways of cleaning stone surface, moisture rehabilitation techniques and possible desalination, and its preservation and consolidation after implementing all previous procedures.  5) to create a professional term paper as final documentation of all tasks and processes performed during conservation and restoration | | | | | | | | | | | |
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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis I.**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | |
| **Code** | | UAR UARZ01  ISVU | | | Year of Study | | | | 5th Year  9th Semester | | | | |
| **Name of Lecturer** | | Branko Matulić, Ph.D. | | | ECTS value | | | | 30 | | | | |
| Associates | | Tonči Borovac, Assist.Prof. Ph.D.  Antonija Gluhan, mr.art., Senior Assistant  Krešimit Bosnić, Assistant  Nikola Radošević, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Preparation of graduation thesis with mentor's guidance through the selected, actual conservation-restoration problem of theoretical, practical, or combined nature. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to pass the exam in Conservation and restoration IV. Mural painting and mosaics course programme from the previous semester. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. Design and propose a theoretical and / or practical subject of graduation thesis 2. Plan and organize a written graduation thesis by applying acquired knowledge, skills and ability to understand, as well as by applying analysis, synthesis and evaluation of conservation and restoration problems. 3. Prepare, run and manage practical part of graduation thesis by applying acquired knowledge and abilities, as well as by applying appropriate conservation and restoration methods and techniques. 4. Judge, evaluate, compare and complete results of own technological and methodological procedures in relation to the set scientific-professional and ethical- professional standard. | | | | | | | | | | | |
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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis I.**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | |
| Code | | UARS01 | | | Year of Study | | | | 5th Year  9th Semester | | | | |
| Name of Lecturer | | Larisa Aranza, Associate Professor  Jurica Matijević, Associate Professor  Sagita Mirjam Sunara, Assistant Professor  Žana Matulić Bilač, Assistant Professor | | | ECTS value | | | | 30 | | | | |
| Associates | | Lana Kekez, Assistant  Vesela Bizaca, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | |
| Objectives | | The students are trained to deal with the subject related to conservation-restoration of easel paintings and polychrome wood on theoretical and/or practical level . | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed specialization in:  Conservation-restoration IV Easel paintings and polychrome wood exam. | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After passing this exam, the student will be able to;  Gather relevant theoretical information related to the subject of graduation thesis.  Evaluate earlier theoretical knowledge and practical experience related to the subject of graduation thesis.  Develop the concept of action at the example of own graduation thesis on theoretical level.  Conduct practical segment of graduation thesis  Present own results of graduation thesis in an appropriate way. | | | | | | | | | | | |
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| **COURSE TITLE** | Preparation of Specialist Graduation Thesis I.  Metal | | | | | | | | | | | | |
| **Code** | | UARM01 | | | Year of Study | | | | 5th Year  9th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 30 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The student graduates at a specialisation he / she chose at the second year of study The mentor is someone from the chosen specialisation, and the co-mentor may be any teacher in the rank of a lecturer or higher who taught the student during his /her studies. The subject has to be related to a chosen specialisation. The students dedicate themselves to historical and scientific analysis of the subject by making a systematic concept of work that brings together methodological and technical skills acquired during studies. They independently dedicate themselves to the practical preparation of graduation thesis which they complete with comprehensive written and photo documentation. The intervention depends on availability and type of object for conservation and restoration treatment, and student's preferences. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed exam in:  CONSERVATION AND RESTORATION IV Metal | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. identify the degree of damage to objects, examine the degree and type of damage to metal objects  2. Ability to plan, organize and solve complex restoration tasks  3. To be able to develop a programme of conservation-restoration works.  4. Create a final written paper describing all the procedures of conservation and restoration work which the student has performed on a specific object. | | | | | | | | | | | |
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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis I.**  **ARCHEOLOGICAL HERITAGE** | | | | | | | | | | | | |
| **Code** | | UARA01 | | | Year of Study | | | | 5th Year  9th Semester | | | | |
| **Name of Lecturer** | | Miona Miliša, Ph.D. ,lecturer | | | ECTS value | | | | 30 | | | | |
| Associates | | Šime Perović, Professional Associate  Joška-Tea Katunarić, Senior Lecturer | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The students will be trained to work individually at an archaeological field (land and underwater).. Preparation of field documentation, site conservation and primary conservation of archaeological finds.  Mastering the methodology of preparation of specialist graduation thesis. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | To have passed exam in CONSERVATION AND RESTORATION IV.- Archaeological heritage | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:  1. Independently identify and analyse the condition of archaeological objects, causes of their deterioration.  2. Apply optimal restoration and conservation procedures on archaeological material..  3. Independently prepare complete conservation-restoration documentation.  4. Independently identify conditions in which the objects will be stored or presented and be able to determine restoration procedures on the material with respect to the space in which the objects will be stored or displayed.  5. Define conditions in exhibition or storage areas with regard to the type of archaeological material to be permanently stored there.  6. Independently suggest an appropriate way of presenting archaeological heritage in view of its historical, cultural and aesthetic context and significance. | | | | | | | | | | | |
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10th SEMESTER

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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis II.**  **Stone** | | | | | | | | | | | | |
| **Code** | | UARK02 | | | Year of Study | | | | 5th Year  10th Semester | | | | |
| **Name of Lecturer** | | Ivo Donelli, Associate Professor  Marin Barišić, Assistant Professor  Siniša Bizjak, Assistant Professor | | | ECTS value | | | | 30 | | | | |
| Associates | | Vinka Marinković, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The student graduates at a specialisation he / she chose at the second year of study The main mentor is someone from the chosen specialisation, and the co-mentor may be any teacher in the rank of a lecturer or higher who taught the student during his /her studies. **The subject has to be related to a chosen specialisation.** Based on acquired theoretical and practical knowledge in conservation and restoration of stone,together with lectures and mentoring, the students are encouraged to work independently on conservation and restoration of cultural monuments.. After having processed documents and performed diagnostics, the conservation, reconstruction and consolidation of a stone monument may start. Intervention depends on availability and type of object for conservation and restoration intervention. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Preparation of Specialist Graduation Thesis 1 Stone course programme (signed by the lecturer)  (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1) identify the degree of damage to objects, examine the degree and type of damage, harmful deposits on the stone  2) conduct laboratory testing of all the chemical and physical parameters of the stone to be treated  3) to make an accurate diagnosis using physical and chemical measurements and correctly record and analyse results, develop a programme for conservation and restoration works  4) to determine the best ways of cleaning stone surface, moisture rehabilitation techniques and possible desalination, and its preservation and consolidation after implementing all previous procedures.  5. to create a final written paper describing all the procedures of conservation and restoration work which the student has performed on a specific monument. | | | | | | | | | | | |
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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis II.**  **MURAL PAINTING AND MOSAICS.** | | | | | | | | | | | | |
| **Code** | | UAR UARZ02  ISVU | | | Year of Study | | | | 5th Year  10th Semester | | | | |
| **Name of Lecturer** | | Branko Matulić, Ph.D. | | | ECTS value | | | | 30 | | | | |
| Associates | | Tonči Borovac, Assist.Prof. Ph.D.  Antonija Gluhan, mr.art., Senior Assistant  Krešimit Bosnić, Assistant  Nikola Radošević, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 | 0 |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | |  | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Preparation of graduation paper with mentor's guidance through the selected, actual conservation-restoration problem of theoretical, practical, or combined nature. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Preparation of Specialist Graduation Thesis 1 Mural painting and mosaics course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | * + 1. Design and propose a theoretical and / or practical subject of graduation thesis  1. Plan and organize a written graduation thesis by applying acquired knowledge, skills and ability to understand, as well as by applying analysis, synthesis and evaluation of conservation and restoration problems. 2. Prepare, run and manage practical part of graduation thesis by applying acquired knowledge and abilities, as well as by applying appropriate conservation and restoration methods and techniques. 3. Judge, evaluate, compare and finish results of own technological and methodological procedures in relation to the set scientific-professional and ethical- professional standard. | | | | | | | | | | | |
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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis II.**  **EASEL PAINTINGS AND POLYCROME WOOD** | | | | | | | | | | | | |
| Code | | Code UARS02  ISVU | | | Year of Study | | | | 5th Year  10th Semester | | | | |
| Name of Lecturer | | Larisa Aranza, Associate Professor  Jurica Matijević, Associate Professor  Sagita Mirjam Sunara, Assistant Professor  Žana Matulić Bilač, Assistant Professor | | | ECTS value | | | | 30 | | | | |
| Associates | | Lana Kekez, Assistant  Vesela Bizaca, Assistant | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| COURSE DESCRIPTION | | | | | | | | | | | | | |
| Objectives | | The students are trained to deal with the topic related to conservation-restoration of easel paintings and polychrome wood on theoretical and/or practical level . | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Preparation of Specialist Graduation Thesis 1 Easel painting and polychrome wood course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | After passing this exam, the student will be able to;    Gather relevant theoretical information related to the subject of graduation thesis.  Evaluate earlier theoretical knowledge and practical experience related to the subject of graduation thesis.  Develop the concept of action at the example of own graduation thesis on theoretical level.  Conduct practical segment of graduation thesis  Present own results of graduation thesis in an appropriate way. | | | | | | | | | | | |
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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis II.**  **Metal** | | | | | | | | | | | | |
| **Code** | | UARM02 | | | Year of Study | | | | 5th Year  10th Semester | | | | |
| **Name of Lecturer** | | Filip Rogošić, Senior Lecturer | | | ECTS value | | | | 30 | | | | |
| Associates | |  | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 | 0 | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 0 | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | The student graduates at a specialisation he / she chose at the second year of study The mentor is someone from the chosen specialisation, and the co-mentor may be any teacher in the rank of a lecturer or higher who taught the student during his /her studies. The subject has to be related to a chosen specialisation. The students dedicate themselves to historical and scientific analysis of the subject by making a systematic concept of work that brings together methodological and technical skills acquired during studies. They independently dedicate themselves to the practical preparation of graduation thesis which they complete with comprehensive written and photo documentation. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Preparation of Specialist Graduation Thesis 1 - Metal course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | 1. To identify the degree of damage to objects, examine the degree and type of damage to metal objects  2. Ability to plan, organize and solve complex restoration tasks independently,  3. To be able to develop a programme of conservation-restoration works,  4. Prepare a final written paper describing all the procedures of conservation and restoration work which the student has performed on a specific object. | | | | | | | | | | | |
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| **COURSE TITLE** | **Preparation of Specialist Graduation Thesis II.**  **ARCHEOLOGICAL HERITAGE** | | | | | | | | | | | | |
| **Code** | | UARA02 | | | Year of Study | | | | 5th Year  10th Semester | | | | |
| **Name of Lecturer** | | Joška-Tea Katunarić  Senior Lecturer  Miona Miliša, Ph.D, lecturer | | | ECTS value | | | | 30 | | | | |
| Associates | | Šime Perović, BA., glass restorer, Professional associate | | | Teaching (number of hours per semester) | | | | L | S | | E | T |
| 200 |  | | 190 |  |
| Type of Course | | Compulsory | | | Percentage of e-learning | | | | 25% | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | |
| Objectives | | Preparation of graduation thesis whose subject the students selected in the previous semester with respect to their preferences, acquired skills and knowledge. Supervised by mentor, the students will make decisions independently and apply all knowledge and skills acquired during studies: methodology of field research, documentation and conservation of sites, treatment and conservation-restoration procedures and documenting finds from the moment they are discovered until their display or permanent storage. preparation of complete conservation study evaluating historical, cultural and aesthetic significance of sites and finds.  Theoretical and practical preparation for graduation thesis defense. | | | | | | | | | | | |
| Enrolment requirements and entry competences required for the course | | The student has to carry out obligations required by Preparation of Specialist Graduation Thesis 1 - Archaeological heritage course programme (signed by the lecturer) | | | | | | | | | | | |
| Expected learning outcomes at the course level (from 4 to 10 learning outcomes) | | The student will, after having passed the exam, be able to:   1. organize and manage all restoration and conservation works (from simple to more challenging ones) professionally and independently at the archaeological site and on archaeological finds from the moment they are discovered until their display or permanent storage. 2. competently recommend and devise a plan for storage and presentation of archaeological finds and archaeological structures, 3. set priorities during restoration works on objects and the site and when choosing methods and restoration materials, 4. evaluate the value of finds and procedures on them, 5. prepare a complete conservation study and documentation. 6. review available conservation methods and materials, and, on basis of acquired knowledge and skills, improve methods applied so far and find new methods and materials in conservation and restoration of archaeological material, 7. plan and organize team work, 8. pass knowledge and skills to less experienced co-workers. | | | | | | | | | | | |
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