

Course catalogue for the **ART CONSERVATION AND RESTORATION** subject area

Mandatory courses

Course title	ECTS credits
Conservation and Restoration of Easel Paintings	5 ECTS
Conservation and Restoration of Wall Paintings	5 ECTS
Painting	4 ECTS
Restoration Apprenticeship	6 ECTS
Art and Culture in Croatia	2 ECTS

Elective courses

Course title	ECTS credits
Conservation and Restoration of Wood Sculpture	5 ECTS
Conservation and Restoration of Polychrome Wood	4 ECTS
Sculpture	4 ECTS
Figure Drawing	5 ECTS
Drawing Processes	5 ECTS
Drawing and Painting	5 ECTS

Remarks

- only Art Conservation and Restoration students will be considered for exchange
- Art Conservation and Restoration Department prefers to accept exchange students enrolled in the third year of studies or higher at the time of exchange period
- it is not possible to enrol more than 32 ECTS per semester
- the listed courses are available to incoming exchange students exclusively
- the list is subject to change

Course title	Conservation and Restoration of Easel Paintings
Course code	167726
ECTS credits	5 ECTS
Contact hours	2 mentorship + 2 lecture + 2 exercise hours per week
Course content	<p>LECTURES</p> <ul style="list-style-type: none"> - history of the restoration profession; - restoration ethics; - canvas: types and causes of damage and their protection throughout history; - wood: types and causes of damage and their protection throughout history; - preparation/basis: types and causes of damage and their protection throughout history; - painted layer: types and causes of damage and their protection throughout history; - protective varnish layer: types and causes of damage and their protection throughout history; - consolidants/adhesives throughout the history of art restoration; - overview, methods and professional terminology of documenting; - secondary image carriers - sub-frames; - solvents in the field of conservation and restoration; - modern painting cleaning systems: application of gels; <p>EXERCISES</p> <ul style="list-style-type: none"> - solubility tests: reversibility of modern and traditional glues/adhesives; - compensations and processing of the wooden support layer of the wooden carrier; - compensations and processing of the fabric carrier layer; - compensations and processing of the preparation layer/different types of putty throughout history; - pasting, padding, duplicating throughout history <p>MENTOR-SUPERVISED WORK</p> <ul style="list-style-type: none"> - conservation-restoration interventions on easel painting; - documenting conservation-restoration interventions (written, graphic and photographic documenting)

Learning outcomes	<p>Students will be able to:</p> <ul style="list-style-type: none"> - describe and recognize historical methods of restoration of easel paintings; - list, define, explain and interpret the ethical principles of the profession; - apply work safety protocols and correctly use materials during the easel painting restoration; - select appropriate material, and apply basic skills and principles in performing reconstructions of wooden and canvas supports and preparation on an easel painting; - classify the materials used during the restoration of easel paintings, explain their properties, compare them, use the appropriate material to solve the problem; - use professional terminology; - assess the condition and causes of changes and deterioration of an easel painting; - document conservation-restoration procedures on an easel painting
Grading and evaluation	<ul style="list-style-type: none"> - class attendance; - practical work; - written exam

Course title	Conservation and Restoration of Wall Paintings
Course code	224485
ECTS credits	5 ECTS
Contact hours	2 mentorship + 2 lecture + 2 exercise hours per week
Course content	<ul style="list-style-type: none"> - the relation between wall painting and architecture; - wall painting stratigraphy; - wall painting techniques (types): fresco buono, lime techniques, secco techniques, combined techniques; - wall painting specifics: composition and drawing transfer techniques, decorative techniques; - fresco technique wall painting; - secco technique wall painting; - wall painting materials; - primary support: stone, brick, wooden structure, mixed techniques...; - secondary support: plaster (fillers, binders, additives); - preparations and paint binders for secco wall paintings; - pigments; - wall paintings damage/deterioration causes; - environmental conditions and their influence; - moisture: classification, properties, diagnostics; - salts: sources, types, diagnostics; - microorganisms; - physical causes of damage/deterioration not caused by moisture; - damage/deterioration of wall paintings due to inappropriate conservation-restoration treatments; - wall paintings damage classification types; - diagnostics: tests, research and analysis; - documentation methods; - visits to cultural heritage sites and conservation workshops
Learning outcomes	<p>Students will be able to:</p> <ul style="list-style-type: none"> - select and apply appropriate materials for conservation-restoration of different wall paintings; - recognize and identify different wall painting techniques; - describe properties of wall painting materials; - describe and classify types and causes of wall painting damage/deterioration; - select and apply appropriate research methods; - document and present (found) wall painting state
Grading and evaluation	<ul style="list-style-type: none"> - class attendance; - practical work

Course title	Painting
Course code	181429
ECTS credits	4 ECTS
Contact hours	6 mentorship hours per week
Course content	<p>LIVE MODEL PAINTING</p> <ul style="list-style-type: none"> - base preparation (canvas stretching and toning, preparatory drawing study, drawing to canvas transfer); - local tone setting; - monochromatic underlying layer; - widening of the colour and tonal range <p>EGG TEMPERA STUDY</p> <ul style="list-style-type: none"> - base preparation (wooden support treatment, <i>verdaccio</i> base setting, preparatory drawing study, drawing study transfer); - egg emulsion preparation (yolk, water, condensed or linseed oil); - local tone setting; - study development and finalization
Learning outcomes	<p>Students will be able to:</p> <ul style="list-style-type: none"> - choose and apply optimal methods for successful realization of painting task - identify and analyze a specific painting problem - implement the painting production process; - present and elaborate the results of their painting production
Grading and evaluation	<ul style="list-style-type: none"> - class attendance; - practical work

Course title	Restoration Apprenticeship
Course code	224488
ECTS credits	6 ECTS
Contact hours	4 mentorship hours per week
Course content	Classes are held in the form of block-classes. Depending on the conditions in the field and planned activities, part of classes may be held in the department's workshops. Classes include work in different stages of the conservation-restoration process. The type and duration of a certain phase of conservation-restoration work depend on the object available for conservation-restoration treatment.
Learning outcomes	Students will be able to: <ul style="list-style-type: none"> - apply knowledge gained from conservation-restoration classes; - plan and document conservation-restoration treatment; - independently carry out conservation-restoration treatments on objects; - coordinate group work
Grading and evaluation	<ul style="list-style-type: none"> - class attendance; - practical work

Course title	Art and Culture in Croatia
Course code	193474
ECTS credits	2 ECTS
Contact hours	2 lecture + 1 seminar hours per week
Course content	<p>Over the course of the semester, a systematic periodization is provided of artistic practices, styles, movements and phenomena in the visual arts in Croatia, starting from prehistoric cultures to contemporary art tendencies. An introduction is given to the most important monuments and protagonists, while works and artefacts are analysed within the socio-cultural context from/in which they originated. The various phenomena in the national history of art are viewed in the context of general Western art history, while specially focusing on interpreting the changing historical circumstances, trajectories of cultural transfer and ways of mediating forms and content that shaped a national art canon. Aside the lectures in classrooms, tours are taken of various museums, monuments and cultural institutions in Zagreb, so as to introduce (international) students to the cultural facilities at their disposal, and complement the practical tuition provided at art courses.</p>
Learning outcomes	<p>Upon completing the course and passing the exam, students shall:</p> <ul style="list-style-type: none"> - become familiar with the periodization of artistic practices, styles, art movements and phenomena in Croatia, starting from prehistorical cultures to the tendencies in contemporary art; - be acquainted with major monuments, works of art and artists from the national artistic canon; - be able to position the most important phenomena and protagonists from the national artistic canon within the wider framework of Western art history; - by becoming introduced with changing historical contexts, cultural transfers and mediations that shaped artistic practice in Croatia, international students will gain insight into what makes a national canon specific, and be able to apply this knowledge when critically examining their own local/national art phenomena, within the framework of Western art history; - over the course of their semester in Zagreb, international students will be introduced to and given a tour of major monuments, museums and other cultural institutions, while students of the Academy will be provided with another incentive to use the city's cultural infrastructure in their future studies and artistic practice.
Grading and evaluation	<p>Students are expected to attend the course regularly, take an active part during the classes, write a 5-page paper and pass the oral exam upon the course's completion, based on the knowledge gained from the given reading and the lectures.</p>

Course title	Conservation and Restoration of Wood Sculpture
Course code	162165
ECTS credits	5 ECTS
Contact hours	2 mentorship + 2 lecture + 2 exercise hours per week
Course content	<p>LECTURES</p> <ul style="list-style-type: none"> - history of the conservation-restoration profession; - contemporary approaches to wood sculpture conservation-restoration; - preventive protection; - conservation-restoration ethics; - wood: damage types and causes, protection throughout history, contemporary approaches; - base: damage types and causes, protection throughout history, contemporary approaches; - paint layer: damage types and causes, protection throughout history, contemporary approaches; - gilding and silvering with glazes, sgraffito technique; - protective varnish layer, protection throughout history, contemporary approaches; - consolidants/adhesives throughout the history of conservation-restoration, contemporary approaches; - wood carving techniques; - gilding and silvering (with glazes) techniques on wooden supports; - overview, methods and professional terminology of documenting; - wood sculpture reconstruction materials; - solvents; - wood sculpture cleaning, contemporary systems; - gels applications; - overpaint removal <p>EXERCISES</p> <ul style="list-style-type: none"> - carving in linden wood according to the template, impregnation with the hide glue; - production of the chalk and hide-glue base and bolus; - gilding and silver plating of the completed carving exercise; - solubility tests, reversibility of modern and traditional glues/adhesives; - consolidation of wooden support; - compensations and processing in the wooden support layer; - compensations and processing in the base layer; - compensations and processing in the image layer; <p>MENTOR-SUPERVISED WORK</p> <ul style="list-style-type: none"> - conservation-restoration interventions on wood sculpture; - documenting conservation-restoration interventions (written, graphic and photographic documenting)

Learning outcomes	<p>Students will be able to:</p> <ul style="list-style-type: none"> - describe and recognize historical methods of wood sculpture conservation-restoration; - list, define, explain and interpret the ethical principles of the profession; - apply work safety protocols and correctly use materials in the process of wood sculpture conservation-restoration; - select appropriate material and apply basic skills and principles in performing reconstructions of wooden supports and polychrome wood sculpture; - classify the materials used during the wood sculpture conservation-restoration, explain their properties, compare them, and use the appropriate material to solve the problem; - use professional terminology; - assess the wood sculpture condition and causes of changes and deterioration; - document wood sculpture conservation-restoration procedures
Grading and evaluation	<ul style="list-style-type: none"> - class attendance; - practical work; - seminar; - written exam; - oral exam

Course title	Conservation and Restoration of Polychrome Wood
Course code	224487
ECTS credits	4 ECTS
Contact hours	2 mentorship + 2 lecture + 2 exercise hours per week
Course content	<ul style="list-style-type: none"> - introduction to conservation-restoration of polychrome wood (ethics, historical aspects, contemporary circumstances, research methods, conservation-restoration procedures); - basics of practicum work (maintenance, tools, accessories, materials, work safety); - specifics of polychrome wood (technology, identification, diagnostics, deterioration causes); - conservation-restoration documentation (written, graphic, photographic) - conservation-restoration interventions on polychrome wood; - seminars on selected topics; - <i>in situ</i> classes in religious buildings, conservation-restoration workshops, museums and collections
Learning outcomes	<p>Students will be able to:</p> <ul style="list-style-type: none"> - apply appropriate manual skills in conservation-restoration procedures; - apply ethical principals in their conservation-restoration practice; - identify different polychrome wood technologies; - produce various types of gilding, silvering and glaze on a wooden support; - use appropriate professional terminology; - assess the state of an art work; - identify the causes of damage and deterioration of an art work; - document polychrome wood conservation-restoration procedures
Grading and evaluation	<ul style="list-style-type: none"> - class attendance; - practical work; - seminar; - written exam; - oral exam

Course title	Sculpture
Course code	224489
ECTS credits	4 ECTS
Contact hours	6 mentorship hours per week
Course content	<ul style="list-style-type: none"> - animal figure modelling, plaster model; - modelling specific details of the figure - periphery; - sculpture modelling, plaster model; - production of negatives and positives in plaster and other sculpting materials; - retouching, patination; - examples analysis; - systematic observation; - sketching and sculpting in various proportions; - casting positives in synthetic materials and artificial resins; - casting negatives in silicone rubber
Learning outcomes	<p>Students will be able to:</p> <ul style="list-style-type: none"> - solve basic problems of modelling human and animal anatomy with an emphasis on the needs of conservation-restoration profession (arms, legs, drapery, animals); - produce psychological and anatomical similarity with the model as well as the maximum of proportion; - produce figurative and non-figurative sculptures; - develop the ability to observe and transfer visual information into sculptural form; - self-evaluate personal approach to sculpture and interpretation of the observed sculptural subject
Grading and evaluation	<ul style="list-style-type: none"> - class attendance; - practical work

Course title	Figure Drawing
Course code	120322
ECTS credits	5 ECTS
Contact hours	8 mentorship hours per week
Course content	<ul style="list-style-type: none"> - linear drawing of the moving human body in different techniques; - linear drawing of the human body in space; - framing and modelling details drawn from observation; - modelling a drawing with a composition of a human body in space; - drawing a figure from observation with a change of lighting; - recomposition; - balancing elements of line and surface in a composition; - colour drawing from observation; - composition of the human body in space by combining techniques; - two-figure composition; - recomposing the figure by changing the viewpoint; - reduction of surfaces when depicting volumes; - abstracting recognizable shapes in the composition of a drawing; - drawing a figure in associative poses (working position of the human body); - composing a body drawing from observation using assembled elements (collage); - composing a body drawing from observation on a toned surface; - composing a body drawing from observation on a coloured surface; - multiple-figure composition in small format; - spatial drawing using different drawing techniques; - composition of the human body drawing with a change of background; - composition of the human body drawing in a chosen technique; - work on chosen sketches with consultation and discussion; - review of works, analysis and evaluation
Learning outcomes	<p>Students will know how to execute:</p> <ul style="list-style-type: none"> - drawing tasks from observation and free concepts in various drawing techniques; - exercises according to given drawing tasks, set after the drawing programme as well as their combinations and spatial interpretations from a live model or own imagination.
Grading and evaluation	<ul style="list-style-type: none"> - regular attendance of min 90%; - producing a map of drawings

Course title	Drawing Processes
Course code	147482
ECTS credits	5 ECTS
Contact hours	2 mentorship + 2 exercise hours per week
Course content	<ul style="list-style-type: none"> - drawing from observation; - including the process of imaginative reflection in the execution of drawings; - introduction to the possibilities presented by different drawing techniques (through examples); - reflecting on the drawing as an independent art object, not only as a preparatory or additional segment; - encouraging work through discussion or narration, interaction (possibility of graduate students' participation (Methodology of Art Education)); - executing the works in stages, finishing earlier started works; - drawing by expanding the composition and researching elements of the drawing; - combining drawing techniques in a single format or by setting multiple formats; - setting the drawing elements (technique and execution) for the purpose of creating a multi-structural ensemble
Learning outcomes	<p>Upon finishing the one-semester course, students will be able to:</p> <ul style="list-style-type: none"> - recognize characteristics of drawing techniques and their application in the drawing process; - devise own manner of composing a drawing; - interpret the work process as an impulse for new combinations of techniques and ideas; - establish elements of developing composition and form; - integrate visual elements into the context of a drawing; - create own work as a finished ensemble; - present own work as a finished ensemble.
Grading and evaluation	<ul style="list-style-type: none"> - practical work, regular attendance, active participation, the number of produced pieces and their quality; - presentation of works and their interpretation (elements and reasons for executing particular portions or ensembles); - personal view of the work and the piece produced; - review of the works, discussion and consultations

Course title	Drawing and Painting
Course code	209350
ECTS credits	5 ECTS
Contact hours	3 mentorship hours per week
Course content	<p>Introduction to students' affinities, previous artistic experience and the primary medium of their study. Individual talks and work plan. Introduction to the course and preparing their task as an introduction to the process of painting. Selection of themes and techniques for further research by observation, with consultations and discussions. Review of sketches based on selected themes from observation, with consultations and discussions. Research and development of selected themes in tonal expression from observation, with consultations and discussions. Preparation of selected themes in tonal expression from observation, with consultations and discussion. Development of selected topics in the flat-colour procedure from observation, with consultations and discussion. Realization of given tasks from observation, with consultations and discussion. Preparation of selected themes from observation using the monochrome technique. Realization of selected sketches, with consultations and discussions. Choosing an own theme and procedure from observation, with consultations and discussion. Review and analysis of the overall production, evaluation.</p>
Learning outcomes	<p>Students will be able to:</p> <ul style="list-style-type: none"> - independently produce a work using painting techniques; - use painting technology in realizing and presenting their work; - compare painting procedures with their primary medium of study (sculpture, graphic arts, conservation and restoration, etc.).
Grading and evaluation	<p>Evaluation during the classes: activity, creativity, individuality. Final evaluation: quantity and level of quality of the works produced, the process of analysis, the student's achievement and development.</p>