

I. Semester

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
ATI101	Ataturk's Principles and History of Turkish Revolution I	2	0	0	2	2	2	Compulsory
<p>The aim of reading Atatürk's Principles and Revolution History course and the concept of revolution. The reasons that prepared the collapse of the Ottoman Empire and the Turkish Revolution. Internal reasons, external reasons, geopolitical position of the Ottoman Empire. The disintegration of the Ottoman Empire. Tripoli War. Balkan Wars. First World War. The fronts fought by the Ottoman Empire and the Gallipoli Wars. Mondros Armistice Treaty. The situation of the country in the face of occupations and Mustafa Kemal Pasha's reaction. Mustafa Kemal Pasha's departure to Samsun. The occupation of Izmir. Useful and harmful societies. The Armenian issue. The first step for the National Struggle. Organization through congresses. Kuva-yı Milliye and Misak-ı Milli. Opening of the Grand National Assembly of Turkey. TGNA's taking over the management of the War of Independence. Political developments in 1920. Transition to regular army. National Struggle until the Battle of Sakarya. Battle of Sakarya and the Great Offensive.</p> <p>From Mudanya to Lausanne. Signing of the Mudanya Armistice. National struggle in education, culture, social and economic fields.</p>								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES101	Vocational Drawing-I	1	2	0	3	2	3	Compulsory
<p>Basic principles of technical drawing, introduction of technical drawing tools and equipment. Standard paper sizes and layout. Basic geometric drawings, polygon drawings, ellipse, oval drawings. Projection drawings and dimensioning of geometric objects. Drawing sections of geometric objects, full sections, half sections and scanning of parts. Application of draft geometry rules in drawings and general rules. Drawing and dimensioning of perspectives of geometric objects. Arch drawings. Drawing and dimensioning of floor plans of building architectural projects. Dimensioning techniques and dimensioning of survey projects. Drawing a view. Drawing cross section. Perspective drawings.</p>								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES103	Protection Concepts	2	0	0	3	2	2	Compulsory
<p>The aims and historical development of conservation. Values to be protected and basic principles in determination. Evolution of conservation understanding and 19th century theories and contemporary scientific theories. Institutions and organizations related to conservation. Environmental and site conservation as a whole. Chronological evaluation of the architectural heritage of the historical environment in Turkey. Classification of cultural and natural values that need to be protected. Principles and methods of intervention to existing spatial values in historical center and city scale. Problems of our country. Theory and practice connection.</p>								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES105	Fine Structure-I	2	0	0	4	2	2	Compulsory
<p>General information about doors. Door types and usage places in traditional buildings. Door types according to their manufacturing methods. Fastening door construction and detail drawings. Tabled (mirrored) door drawing (single wing). Tabular (mirrored) door drawing (double wing). Tabular door detail drawings. General information about windows. Window types encountered in traditional buildings. Sidelights and detail drawings. Sliding window and detail drawings. Cabinets in traditional buildings.</p>								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES111	Survey-I	1	2	0	6	2	3	Compulsory
<p>Definition of surveying. Survey and measurements. Survey building project drawing. Survey techniques. Applied surveying. Building floor plan drawings. Building front rear view drawings. Building side view drawings. Roof drawings. Building section drawings. Ladder drawings.</p>								

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES121	Computer Drawing	2	1	0	3	3	3	Compulsory
AutoCAD window. Menu bar, toolbars, shortcut menus, mouse usage. Dialog boxes, command properties. File operations, opening a new file, entering an existing file, saving, multiple files in a session, exiting a file, exiting AutoCAD. Straight line command, delete command, point entry (point entry with Cartesian coordinates). Point entry with polar coordinates. Object clamping modes. Drawing commands; point drawing. Rectangle drawing. Combined line. Circle drawing. Arc drawing. Drawing area boundaries. Unit system and angles settings. Selection of drawing elements. Zooming in and out. Image panning. Bird's eye view. Turning objects in different viewpoints. Applications with learned information. Function keys. Turning modes on and off. Status line buttons, tab ranges, grid alignment points. Horizontal and vertical parallel to coordinates. Enabling/disabling the dynamic UCS feature, enabling/disabling the dynamic input feature, enabling/disabling the display of line thicknesses. Scaling, stretching, stretching, stretching, moving. By shifting copying Chamfering, rounding, pruning. Layers, colors, dimensioning, type function, blocks and attributes.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES111	Occupational Health and Safety	2	0	0	3	2	2	Compulsory
Development of occupational health and safety concepts and rules. Labor law. Physical risk factors. Chemical risk factors. Biological risk factors. OHS in construction works and mining workplaces. Occupational diseases. Ergonomics. Emergency plans. Work accidents. Work environment surveillance. OHS in electrical work. Personal protective equipment. Risk assessment.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
TDI101	Turkish Language I	2	0	0	2	2	2	Compulsory
Definition and features of language. Language-nation relationship. Language-culture relationship. Language families, the place of Turkish language among the world languages. Historical development of Turkish language. The current status of Turkish language, historical and contemporary examples, dialect-chive-dialect. Definition of grammar, sections, features of Turkish language. Phonetics, phonological status of Turkish, features and classification of sounds. Spelling rules of Turkish. Punctuation marks. Turkish word structure and affixes, Construction and conjugation suffixes.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
YDI101	Foreign Language I	2	0	0	2	2	2	Compulsory
Constructing sentences using the verb to be and possessive pronouns. Writing and acting out dialogues using countries and nationalities. Learning professions and describing them with short definitions. Learning present tense sentence constructions and asking questions. Asking Wh questions. Expressing likes and dislikes. Learning the English equivalents of food and drinks. Ordering food. Talking about world cuisine. Leisure time activities. Writing and speaking about hobbies. Making a dialog using adverbs of frequency in English. Analyzing a reading passage about basketball and acquiring vocabulary. Writing and describing what people are doing using present tense sentence structure. Understanding and acting out the rules of speaking politely on the phone. Talking about past events using the past tense. Using the verb to be in the past tense. Analyzing the reading passage in the past and present tense and acquiring vocabulary knowledge.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES151	Architectural Ornament and Repair	2	0	0	3	2	2	Elective
Information about interior and exterior ornamental elements in traditional wooden and masonry buildings, civil and monumental architecture. Architectural form approach, construction system and decoration relationship, deterioration and repair. Historical development of decoration in architecture and types of motifs. Decoration techniques created on stone and marble. Stone decoration in Turkish Islamic architecture. Umayyad, Abbasid, Tolunoglu, Qarakhanid, Great Seljuk stone ornamentation in architecture, where they are applied and types of motifs. Stone ornamentation in Anatolian Seljuk and Ottoman architecture. Places of application, application techniques and types of motifs. Elements of stone, brick and stucco ornamentation used in architecture. Decoration techniques made with terracotta (tile and ceramic), examination of deterioration and repair. Decoration techniques made with wood, examination of deterioration and repair. Examination of decoration techniques made with plaster and metal materials, application areas, deterioration and repair.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES153	Basic Art Education	2	0	0	3	2	2	Elective

Definition of light; light in nature, light in art. Definition of point and line, one of the basic elements of visual expression. Point as an element of visual expression; point relations, point types, point in art and nature. Surface creation studies with point. Line as an element of visual expression; line types and relationships, line in nature and art. Studies on creating surface with line. Contrast, rhythm and balance in visual expression. Contrast, rhythm and balance with surface creation studies. Texture; definition of texture, effects of texture in visual expression, surface creation studies with texture. Color phenomenon and its effects. Color harmony (harmony). Color contrasts; mutual color contrasts, light-dark color contrasts, warm-cold contrasts. Pattern creation using colors.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES155	Fine Arts	2	1	0	3	3	3	Elective

On the definition of art. Classification of fine arts. Art in general (definitions-concepts). The source of art and the functions of art. Art movements (Renaissance art). Art movements (Romanticism). Art movements (Realism). Expressionism. What is the subject? What is the object? Beauty as an aesthetic value. Abstract art, Postmodernism and New Conceptualism. New approaches in contemporary art.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES157	Geometry	2	0	0	3	2	2	Elective

Areas in triangles. Areas of triangles and question solution methods. Areas of parallelograms and polygons and calculation methods. Area calculation of a circle. Metric relations in a circle. Question solution methods related to metric relations in a circle. Prisms. Calculations related to prisms. Solids, their areas and volumes. Solving methods of questions about solids, their areas and volumes. Trigonometry. Questions and solutions related to trigonometry.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES159	Environmental Protection	2	0	0	3	2	2	Elective

Environmental terms. Sectoral environmental problems. Air pollution and precautions to be taken. Effects of air pollution on the environment and human health. Water pollution and precautions to be taken. Effects of water pollution on the environment and human health. Soil pollution and precautions to be taken. The effects of soil pollution on the environment and human health. Noise pollution. Effects of noise on human and environment. Energy. Environmental effects of non-renewable energy sources. Renewable energy sources. Ways to use energy resources economically and efficiently.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES161	Information and Communication Technology	1	2	0	3	2	3	Elective

Document operations, formatting operations. Document control, printing, table operations. Object operations, advanced features. Macros, customization. Workspace, data entry, formatting operations. Formulas, functions. Graphics operations, data analysis. Printing, macros, customization. Slide objects, show settings. Printing, customization. Internet concepts. Access database.

II. Semester

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
ATI102	Ataturk's Principles and History of Turkish Revolution II	2	0	0	2	2	2	Compulsory
Abolition of the Ottoman Sultanate. Lausanne Peace Treaty. The strategy of the Turkish revolution. Two major revolutions in the political field: the establishment of the Republic and the abolition of the Caliphate. Progressive Republican Party and Takrir-i Sükûn period. Sheikh Sait Rebellion. Attempted assassination of Atatürk. Attempts to transition to multi-party life. Establishment of the Free Republican Party. Menemen Incident. Turkish Law Reform. Revolutions in the fields of education and culture. Economic revolutions, revolutions in the field of health. Revolutions in the social field. Closure of sects, lodges and dervish lodges. International calendar, clocks, numbers and measures. Atatürk's reading of the great speech. Surname Law. Foreign policy of the Republic of Turkey. Turkish foreign policy in Atatürk period. Atatürk's principles. The principle of republicanism and nationalism. The principle of populism and secularism. Statism and the principle of revolutionism. Religion and secularism. Introduction to Atatürk's ideology. Kemalist thought system. Secularism in Ataturkist thought system. A general evaluation of Turkey and Kemalist thought.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES102	Vocational Painting-II	1	2	0	3	2	3	Compulsory
Stair system detail drawing Ö:1/20. Fountain plan-section-appearance drawing Ö:1/20. Tomb drawing Ö:1/20. Kumbet drawing Ö:1/20. Mosque drawing Ö:1/50. Drawing of columns and details. Dome drawing technique. Drawing the last congregation place of the mosque Ö:1/50. Drawing the fountain Ö:1/20. Drawing the arched door. Mosque window drawing. Erasure drawings.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES104	Fine Structure-II	2	0	0	4	2	2	Compulsory
Repetition of scales. Flooring details. Floor covering details. Ceiling details. Ceiling covering details. Staircase details. Roof types. Roof details. System section. System details. Point details								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES106	Traditional Handicrafts Workshop-I	2	2	0	6	3	4	Compulsory
General information about ceramic art. Preparation of muds used in shaping ceramic forms. Shaping with sausage method. Plate shaping with plate method. Vase shaping with plate method. Decorating and glazing of the forms made. On the ceramic surface, basic art elements of point, line, texture research. Shaping the design created with two or three of the taught shaping methods. Analyzing the works of artists working on ceramic art. Biscuit and glazed firing of shaped ceramics.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES108	History of Architecture and Art-I	2	0	0	3	2	2	Compulsory
Definition of art. The development of art in the historical process. Relationship between architecture and art. Neolithic period architecture. Egyptian architecture. Mesopotamian architecture. Greek architecture. Roman architecture. Architecture of the Middle Ages. Renaissance period architecture. Baroque period architecture. Architectural movements.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES110	Survey-II	1	2	0	6	2	3	Compulsory
Definition of surveying. Survey and measurements. Survey building project drawing. Survey techniques. Applied surveying. Building floor plan drawings. Building front rear view drawings. Building side view drawings. Roof drawings. Building section drawings. Ladder drawings.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
STJ102	Internship	0	0	0	10	0	0	Compulsory
To recognize the workplace, to learn about the work done. To learn the planning and workflow of workplace practices. To examine business practices, to participate in practices and to report the work done.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
TDI102	Turkish Language II	2	0	0	2	2	2	Compulsory
Sentence information. Sentence types. Paragraph information, paragraph types, paragraph structure. Composition information. Speech-based (oral) expression types. Types of written expression. Good speech rules and examples. Official writings (resume, petition, report). Expression disorders.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
YDI102	Foreign Language II	2	0	0	2	2	2	Compulsory

Talking about clothes. Using comparative adjectives in English. Making and acting out dialogues about shopping. Talking about fashion. Describing people's physical and characteristic features. Using the phrases "to be like" and "to look like". Describing, writing and speaking about friends. Talking about tourist attractions. Using the modal verbs "can" and "can't" which means -ebilmek, -abilmek in Turkish. Analyzing listening passages and acquiring vocabulary about tourist attractions. Talking about places in the city. Use the sentence pattern "there is" and "there are" meaning "there is". Analyzing a reading text about the most popular places in the city and acquiring new vocabulary. Talking about vacation activities. Using the past tense. Analyzing a reading passage about a hotel description and learning new vocabulary. Talking about future plans. Using the future tense. Listening text about travel plans and doing exercises. Reading passage review about travel activities.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES150	Stone Technology	3	0	0	3	3	3	Elective

Earth as a system: Rocks. Igneous rocks - their distribution in Turkey. Sedimentary rocks- Distribution in Turkey. Metamorphic rocks- their distribution in Turkey. Standards related to physical properties of rocks. Standards and experiments related to physical properties of rocks. Standards related to mechanical properties of rocks. To be able to discuss the compliance of the test results with the limit values in TS and ASTM standards. Determining the usage places of natural building stones according to their material properties. Degradation of Stone Works-- Factors Affecting Degradation. Weathering Types- Weathering Results- Classification of Weathering Forms. Cracks / Deformation-Material Separation / Loss. Material Loss - Color Change / Accumulation - Biological Settlement. Sample applications of stone restorations in historical buildings in our country

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES152	Contact	2	0	0	3	2	2	Elective

Communicating verbally. Communicating in writing. Nonverbal communication. Formal communication. Establishing informal communication. Communicating outside the organization.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES154	Photo Documentation	2	0	0	3	2	2	Elective

History of photography. Analog and digital cameras. Auxiliary photographic equipment. Contrast in photography. Aperture and f-stop values. Light in photography. Determining the subject of photography project. Project preparation. Realizing the shots of the project. Selection of project photographs. Evaluation of project photographs.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES156	Community Service Practices	1	1	0	3	2	2	Elective

Giving information about community service practices. Preparation for the project. Developing the project. Realization of the project. Presentation and submission of group projects.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES158	Research Methods and Ethics	1	1	0	3	2	2	Elective

Science, research, scientific research concepts. Science and science ethics. The concept of research ethics and violations of research ethics, basic principles of research ethics. Scientific misconceptions, violations of publication ethics, authorship rights problems. Types of scientific research, problem statement, hypothesis, theory. Scientific research report content. Formal structure of the research report and language use in scientific text. Interpretation and report writing. Principles of scientific publication ethics. Scientific works and their types. How to use the internet, library and documentation centers. Ethical standards, legal limitations and software. Presentation and evaluation of research reports prepared by student groups.

III. Semester

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES201	Restoration Project	2	2	0	6	3	4	Compulsory

Stages of restoration. Surveying the elements of a small-sized wooden or masonry building or a wooden or masonry building section that may be the basis for restoration. Surveying. Deterioration and determination of the causes of deterioration. Restitution. Investigation of restoration methods. Restoration Preparation of the project. Determination of protection-improvement measures to be taken.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES203	Wood and Metal Materials	1	2	0	6	2	3	Compulsory

Types of wood and their uses. Transverse and longitudinal sections of the tree and size extension. Principles of using wood. Wooden additions. Timber masonry and skeleton structures. Single based and double based wooden skeleton construction. systems Details of skeleton construction systems. Overhangs. Wooden beams, floor and ceiling

coverings. Floor moldings. Roofs. Roof details.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES205	Traditional Building Types and Elements	2	0	0	4	2	2	Compulsory
Recognition of traditional civil architecture structures. Recognition of traditional military architectural structures. Recognition of traditional religious architectural structures. Recognition of traditional structure and stone, brick, adobe, adobe, wood used in the structure. Introduction of foundation types used in traditional buildings and the structures in which they are used. Introduction of walls used in traditional buildings and explanation of stone wall construction and knitting rules. Explanation of feet, columns and pillars from carrier elements. Attachment and arches. Flooring and ceilings. Vault, dome, roof. Dome transition elements: Turkish triangle, tromp, pendant. Stairs, overhangs, roofs.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES207	Restoration Chemistry	2	0	0	2	2	2	Compulsory
Basic concepts, laws, mole concept. pH control in waste water. Reading the names of chemical substances. Equalization of the coefficients of reactions. Periodic table. Preparation of chemical solutions. Gases, liquids, acids, bases, salts. Impregnation of wood. Stones. Corrosion, acid rain. Glass and glass industry.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES209	Traditional Handicraft Workshop-II	2	2	0	4	4	4	Compulsory
Determining the subject of free work to be handled in ceramic designs, library research. Making sketches and design studies. Evaluation of sketches and designs, determination of the works to be applied. Choosing the construction technique of the determined designs and starting the application. Retouching and drying stages of the finished works. Baking of the dried works (biscuit baking). Decor design selection and preliminary preparations of biscuit baked works. Biscuit baked Applying decor to the works. Glazing and firing of the finished decor works.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES211	History of Architecture and Art-II	2	0	0	2	2	2	Compulsory
Pre-Islamic Turkish art. First period Islamic architecture. Karahanids, Ghaznavids and Great Seljuk period architectures from Asian Turkish Islamic states. Anatolian Seljuk period architecture. Style features. Principalities period architecture. Stylistic features of period buildings. Early Ottoman architecture. Classical period Ottoman architecture. Period styles. Republican period architecture. Transition to today's architecture.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES251	Causes of Wood Deterioration and Protection	2	0	0	3	2	2	Elective
Deterioration of wooden structure and decoration elements, causes. Wood-moisture relationship. Part replacement, cutting and adding. Methods applied in the destruction of pests in wood, drugs used. Restoration of splits, cracks or holes. Cleaning of old varnishes and lacquers. Conservation procedures in archaeological wood finds. Age determination methods and sampling. Impregnation methods. Water saturated woods and conservation processes. Measures that can be taken for protection after restoration. Control of environmental conditions and protective substances.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES253	Masonry Materials and Construction Technology	2	0	0	3	2	2	Elective
Masonry building materials (stone, brick, adobe). Stones used in traditional buildings and their properties. Stone types used in buildings. Stone wall types and usage places. Forming the walls (rubble, slab and cut stones) processing forms. Stone wall knitting rules. Beams and harpushtas. Brick construction and brick wall construction rules. Adobe and adobe building construction rules. Lime in traditional buildings. Mortars and clamps.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES255	Entrepreneurship	2	0	0	3	2	2	Elective
Entrepreneurship approaches. Entrepreneurship culture. Types of entrepreneurship. Functions of entrepreneurship. Entrepreneurship fields. Entrepreneurship process. Business ideas and resources. Business idea development. Business plan and its elements. Preparing a business plan. Local, national and international context of entrepreneurship.								

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES257	Awareness of Historic Environment Protection	3	0	0	3	3	3	Elective
Introduction to the concept of conservation. Development and theoretical basis of conservation thought. Values to be protected and evaluation criteria. Factors causing deterioration in monuments: Internal causes. Factors causing deterioration in monuments: External causes. The concept of historical environmental protection. Evolution of the idea of historical environmental protection. Basic elements of historical environment. Factors that cause deterioration of the historical environment. Historic environment protection: Conservation planning. Laws related to the protection of cultural assets and conservation education. Legal regulations on conservation in Turkey. International regulations on conservation.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES259	Business Management I	3	0	0	3	3	3	Elective
Planning. Organizing. Directing. Providing coordination. To supervise. Ensuring job analysis. Planning human resources. Finding employee candidates. Selecting employees. Providing orientation training. Evaluating employee performance. Ensuring that the employee is trained. Career planning. Job evaluation. Remuneration. Planning production. Organizing for the realization of production. Capacity and inventory planning. Determining the target market. Product development. Determining pricing policies. Determining promotion policies. Determine distribution policies. Customer Managing relationships. Manage income and expense accounts. Manage payables and receivables. Managing assets. Managing resources.								

IV. Semester

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES202	Vocational Education in Business	5	20	0	30	15	25	Elective
Monitoring workplace orientation. Discussing possible project topics with students. Exchange of information about workplace project opportunities with the workplace advisor Workplace visit and determination of the project topic. Preparation of the academic advisor visit report. Evaluation of the project management plan. Evaluation of the sector consultant report. Evaluation of the student interim report. Coordination meeting of the applied workplace training program. Workplace visit. Preparation of sector advisor and academic advisor evaluation forms. Preparation of academic advisor visit report. Reporting the results. Organizing project presentations.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES204	Graduation Project	2	2	0	6	3	4	Elective
Stages of restoration. Surveying the elements of a small-sized wooden or masonry building or a wooden or masonry building section that may be the basis for restoration. Surveying Deterioration and determination of the causes of deterioration. Restitution. Investigation of restoration methods. Preparation of the restoration project. Determination of protection-improvement measures to be taken.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES250	Building Information and Systems	2	2	0	4	3	4	Elective
Course objective, content, resources. Concepts related to structure. Classification of structures. Structure-soil relationship. Foundations. Columns, shear walls, beams. Analysis of vertical structural elements through sample structures and plan drawings. Slabs. Prefabricated structures. Structural elements and details of prefabricated structures. Composite structures, structural elements and details. Earthquake insulated buildings. Reinforcement in buildings.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES252	Conservation	2	0	0	4	2	2	Elective
Conservation and its stages, duties of the conservator. Conservation, the purpose of conservation, examination of the material in conservation. Conservation status determination. Types of deformation in masonry structures (biological, climatic, man-made damages) and general methods in conservation. Conservation techniques of materials of ground and foundation structures (crack repair, injection, clamping, etc.). Cracks in wall materials and the importance of dilatation joints, general conservation practices. Types of deterioration seen in vaults, arches, domes and conservation practices (tensioning, buttressing). Types of deterioration and conservation practices (strapping). Deterioration of wood and stone based floors and conservation practices. Basics of corrosion and metal oxidation, corrosion protection and general precautions. Deterioration and conservation of architectural metals and alloys. Cleaning methods in conservation.								
Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES254	Discovery and Quantity Surveying	2	2	0	4	3	4	Elective

Definitions, descriptions, general information about quantity surveying. Explanations of technical expressions related to restoration quantity surveying; work, pose, price, quantity, etc. explanations. Laws, regulations, legislation information on the subject, explanation of legal procedures applied in the restoration of ancient artifacts. Explanations of quantity-discovery and attachment with examples. Extraction of quantities of stone, brick, iron, mold, concrete, mortar, plaster, paint, etc. from the restoration project. Preparation of the discovery file from the restoration project in practice, teaching with examples. Application of the preparation of attachment in the field of restoration, green book, manufacturing icmal tables. Dismantling works in restoration, methods of extracting quantities and discoveries, applications with examples. Preparation of unit price analyzes in restorations to be made in old works, explanation with examples. Preparation of the first and second discovery summaries, comparative discovery applications with examples. Application project: Preparation of the discovery file of a medium-scale restoration project. Application project: Preparation of the tender file of a medium-scale restoration project. Application project: Preparation of the progress payment file of a medium-scale restoration project.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES256	Vocational Knowledge	2	0	0	4	2	2	Elective

Main lines of international organization in the field of protection. Legal regulations on conservation in Turkey. Formation of conservation boards. Duties and powers of the boards. Effective public and non-governmental organizations on conservation. Conservation education. Principle decisions of the High Council for the Protection of Cultural and Natural Heritage. Forms of intervention. Supervision of the application. Survey-restitution-restoration project preparation principles. Necessary preparation of documents.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES258	Museology and Exhibition	3	0	0	4	3	3	Elective

Definition of museum and museology. History of museums in the world and in Turkey. Types of museums. Functions of the museum. Personnel to be found in the museum. Exhibition in museums. Storage in museums. Ways of arrival of artifacts to the museum. Conservation and control of environmental conditions in museums. Restoration in museums applications.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES260	Decoration Techniques	1	2	0	4	2	3	Elective

Historical development of decoration in architecture and concepts related to decoration. Architectural form approach, construction system and decoration relationship. Examples of decoration types used. Decoration patterns and arrangement rules. Decoration techniques created on stone and marble. Decoration techniques made with adobe and terracotta materials. Decoration techniques made with wood. Decoration techniques made with additional processes. Decoration techniques made with paint. Decorations made by coating the surface. Decoration made with metal materials Techniques. Eaves, moldings, cornices, other profiled elements.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES262	Modeling and Modeling	2	1	0	4	3	3	Elective

General information about the subjects to be examined in the semester, examining sample models, creating a work plan. Introduction of model materials, types of materials used in models made in various scales, selection of models to be made during the semester. Preliminary study for the model of the selected building or building detail, drawing, selection of materials to be used. Explanation and application of cutting and joining methods in model making, model study. Model study. Roof model, application. Construction model, application. Staircase model, application. Model study during the semester

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES264	Business Management II	3	0	0	4	3	3	Elective

Planning. Organizing. Directing. Providing coordination. To supervise. Ensuring job analysis. Planning human resources. Finding employee candidates. Selecting employees. Providing orientation training. Evaluating employee performance. Ensuring that the employee is trained. Career planning. Job evaluation. Remuneration. Planning production. Organizing for the realization of production. Capacity and inventory planning. Determining the target market. Product development. Determining pricing policies. Determining promotion policies. Determining distribution policies. Managing customer relations. Managing income and expense accounts. Managing debts and receivables. Managing assets. Managing resources.

Course Code	Course Name	T	U	L	ECTS	K	Clock	Type.
RES266	Construction Site and Office Organization	2	0	0	4	2	2	Elective

Construction site setup. Work program. Manufacturing preparation on site. Manufacturing teams.
Application studies. Excavation
works Construction site notebooks. Office work. Progress payment preparation. Provisional and final
acceptance. Tender laws. Applications.