

List of courses available for Erasmus incoming students

No.	Name of the course and main chapters	Code from the Study Plan	Field of study	Program of study	Professor (please mention the email address)	Level of study (UG/MSc)	Year of study	Semester (1/2)	No. of ECTS	Support materials for the course (please mention written materials / link)	Individual or group meetings (Please mention Yes or No and)	Assessment (Please mention the language for the assessment)
1	Universal History of Architecture I 1. I. INTRODUCTION. PREHISTORY. The genesis of architecture. the first architectural human manifestations. Earth, Sky, and Structure II. ANCIENT ARCHITECTURE 1. Ancient Near Eastern Architecture and Urbanism: Sumerian, Assyrian, Persian 2. Egypt. Egyptian Architecture: Old Kingdom Pyramids and New Kingdom 3. Bronze Age Architecture in the Aegean: Minoan and Mycenaean 3. Greek Architecture and Urbanism: The Orders, Polis/Acropolis, Hellenistic Experimentation, Urban Planning. 4. Ancient Rome: Introduction.	ARA1103	Architecture	Architecture	Lecturer PhD Raluca Manoliu raluca-maria.manoliu@academic.tuiasi.ro	UG/MSc	1st	1	2	written materials (books) EN	Yes EN/FR/IT/SP	Exam EN/FR/IT/SP
2	Architectural Design design studio on a specific assignment Study of the HOUSING program: 1. Detached detached house, on a real site with physical limits imposed; 2. Row houses, terraced or connected in real site.	ARA2101	Architecture	Architecture	Lecturer. PhD. Arch. Andrei Purcaru andrei.purcaru@academic.tuiasi.ro	UG/MSc	2nd	1st	12	design task EN	Yes EN	project EN
3	Universal History of Architecture II. Romanesque: The Age of Pilgrimages. I. The influence of crusades, pilgrimages and monastic orders. 2. The Christian Church, a unifying and stabilizing factor. 3. The cult of saints and religious devotion. 4. The renaissance of monumental sculpture. 5. Didactic, spiritual and emotional goals of architecture and art. 6. Social and historical factors that contributed to the distinct vocabulary of Romanesque in its different regional styles - French, English, Italian. 7. New conceptions about the representation of the human figure. 8. Space and light in art and architecture. II. Gothic: the age of the great cathedrals. 1. Life as a pilgrimage to prepare for the afterlife. 2. Abbot Suger and the birth of Gothic architecture. 3. Harmony as Source of Beauty. 4. Gothic architectural styles, technology and vocabulary in France and beyond: England, Germany and Italy (evolution of regional styles). 5. Comparisons between classical idealism and Gothic naturalism. 6. Scholastics and its influence in architecture: the desire to reconcile faith with reason. III. THE ARCHITECTURE OF EUROPEAN RENAISSANCE. 1. The premises of Renaissance. Renaissance in Italy, France, Germany and in German culture countries. 2. Mannerism IV. EUROPEAN BAROQUE ARCHITECTURE Premises. Baroque in Italy, France, Germany.	ARA2103	Architecture	Architecture	Lecturer PhD Raluca Manoliu raluca-maria.manoliu@academic.tuiasi.ro	UG/MSc	2nd	1	2	written materials (books) EN	Yes EN/FR/IT/SP	Exam EN/FR/IT/SP
4	Theory of Architecture II 1. Defining the architectural composition. Classical interpretation. Modern and contemporary interpretation. Content and form in architecture. Laws and rules in architectural composition 2. Contemporary Theory of Architecture: Paradigms and Themes of Contemporary Theory. Applications of architectural theory. The relationship between theory and practice.	ARA2105	Architecture	Architecture	Associate Professor PhD. Arch. Tudor Gradinaru tudor.gradinaru@academic.tuiasi.ro	UG/MSc	2nd	1st	1	Bibliography EN	No	Exam EN
5	Foreign Languages English/French for English Translation of specialized texts. Comments on the texts Architecture: art or science? The language of architecture. Great architects of Europe The Arts and the Crafts Movement Gaudi Architecture as system Building style and architecture for French 1. The Verb (III) Recapitulation: Indicative) Oral and written grammar and lexical exercises 2. Verb (IV) Conditional: Present, Past. Applied exercises 3. Verb. And conditional. Exercises 4. Noun: (gender, number, functions); exercises. Adjective (classification, feminization, agreement); oral and written application exercises. 5. The concordance of the tenses to the indicative; application exercises Translation and analysis of a specialized technical text; interactive application exercises 6. Vocabulary: General notions of situational vocabulary; specific notions of vocabulary specific to the field of constructions 7. Grammar and lexical exercises	ARA2113	Architecture	Architecture	for english - Associate Professor PhD. Mariana Mantu mariana.mantu@academic.tuiasi.ro for French - Associate Professor PhD. Doina Mihaela Popa doina-mihaela.popa@academic.tuiasi.ro	UG/MSc	2nd	1st	1	written materials (books) EN/FR	Yes EN/FR	colloquium EN/FR
6	Architectural Design design studio on a specific assignment Study of the HOUSING program: 1. Loc. Idea. Intervention - conceptualization in real site. 2. Living in the community. HOUSE - in real site. 3. Guesthouse in the mountains	ARA2201	Architecture	Architecture	Lecturer. PhD. Arch. Andrei Purcaru andrei.purcaru@academic.tuiasi.ro	UG/MSc	2nd	2nd	12	design task EN	Yes EN	project EN
7	Computer Aided Architectural Design 1. ArchCAD - Work interface; project navigation; project organization: layers, stories, project preferences. 2D working techniques; coordinates, cursor, help lines, marquee, trace and reference. 2. Project management, graphic elements for the project: template files, manager attributes, creation of special lines, fillers, materials, areas, multilayer structures. 3. Creating the main volumes and the structure. Joinery elements. Curtain walls. 4. Interior walls and openings. Vertical circulations, poles, metal beams. Library items. 5. Basic techniques for editing 2D and 3D elements 6. Defining areas, project quotation, lists of materials. Sections, facades. Worksheets, details and 3D documents. 7. Roofs, curtain walls. "Shell" and "Morph" tools. Profile manager. Truss maker and Roof Maker. 8. Rendering techniques; study of sunshine, animation, VR. 9. Layouting the drawings, printing and publishing the project.	ARA2209	Architecture	Architecture	Associate Professor PhD. Eng. Tania Hapurne tania-mariana.hapurne@academic.tuiasi.ro	UG/MSc	2nd	2nd	4	Bibliography/tutorials EN	Yes EN	colloquium EN

8	Methodology of Architectural Space 1. Architectural space 2. Elements defining architectural space 3. Opening the space. Formal features 4. Dynamic axes 5. Geometric characteristics of primary shapes 6. Interspatial relations 7. Composition and organization of spaces 8. Spatial connections 9. Transition spaces between interior and exterior.	ARA2206	Architecture	Architecture	Lecturer. PhD. Arch. Razvan Nica razvan.nica@academic.tuiasi.ro	UG/MSc	2nd	2nd	2	Bibliography/ written materials EN	No	Exam EN
9	Housing theory 1. Introduction: definition, development, meaning, phenomenology 2. Identity 3. Morphology 4. Typology: urban / rural housing, detached / attached / terraced /teraced, single-family homes, individual / semi-collective / collective housing 5. Housing for special needs: emergency housing, social housing, home elderly, orphanages.	ARA 2207	Architecture	Architecture	Lecturer. PhD. Arch. Liliana-Mihaela Petrovici liliana-mihaela.petrovici@academic.tuiasi.ro	UG/MSc	2th	1st	1	written materials and bibliography EN	EN	colloquium EN
10	Foreign Languages English/French for English Translation of specialized texts. Comments on the texts Architecture, science and technology Interesting facts about architecture Architecture and the city The architecture of the future The profile of the daring architect Aesthetics and architecture for French 1. Verb (V) and Conditional (recapitulation) Oral and written grammar and lexical exercises 2. Verb (VI) Subjunctive: Present, Past. Applied exercises 3. Verb (VII) and Conditional. Exercises 4. Verb (VIII) The imperative: exercises. Adverb (classification); oral and written application exercises. Listening to a conversation. 5. Concordance of tenses to the subjunctive; application exercises. Translation and analysis of a specialized technical text; interactive application exercises 6. Lexis: General notions of situational vocabulary; specific notions of vocabulary specific to the field of constructions Watching and commenting on a film. 7. Final applied grammar and lexical exercises. Writing a thematic essay in the field of architecture.	ARA2213	Architecture	Architecture	for english - Associate Professor PhD. Mariana Mantu mariana.mantu@academic.tuiasi.ro for French - Associate Professor PhD. Doina Mihaela Popa doina-mihaela.popa@academic.tuiasi.ro	UG/MSc	2nd	2nd	1	written materials (books) EN/FR	Yes EN/FR	colloquium EN/FR
11	Architectural Design design studio on a specific assignment The study of public architecture programs materialized through projects whose themes are developed on real sites: Tourist boarding house Youth club	ARA3101	Architecture	Architecture	Lecturer. PhD. Arch. Calin Corduban calin-gabriel.corduban@academic.tuiasi.ro	UG/MSc	3rd	1st	12	design task EN	Yes EN	project EN
12	Interior Design Furniture 1. Interior architecture and furniture - the cultural dimension 2. Furniture in Greek and Roman antiquity. 3. Furniture in the Byzantine, Romanesque and Gothic Empire. 4. The furniture of the Renaissance, Classicism and Baroque. 5. Art Nouveau furniture and the artistic avant-garde, 20th century. 6. Contemporary trends in furniture. 7. Functionality, functional groups. 8. General sizing elements, materials, accessories and finishes. 9. Interior architecture, contemporary materials and technologies.	ARA3106	Architecture	Architecture	Lecturer PhD. Arch. Horia Tundrea horia.tundrea@academic.tuiasi.ro	UG/MSc	3rd	1st	2	written materials (books) EN/FR	Yes EN	Exam EN
13	Finishing Techniques 1. General notions of construction physics. Heat transfer and thermal protection in buildings. Hygrothermal phenomena and condensation in buildings. Noise and comfort in acoustics, protection against noise. Design of the building envelope taking into account the action of external factors (temperature, water and humidity, wind, vibration and sound) 2. Facade systems, compact facades. Ventilated facades. Glass facades, curtain facades, double skin facades. Solar facades, green facades. 3. Roofing, coating systems. Modern wooden frames. Roofs: ceramic materials, concrete tiles, flat or corrugated sheet metal, bituminous cardboard, tile type sheet, bituminous tiles. 4. Flat roofs (terrace type). Composition of compact terrace roofs, the role of layers, inverted terraces, garden terraces, ventilated terraces, delimitation elements (attics, cornices) local solutions (scaffolding, ledges, drainage systems).	ARA3107	Architecture	Architecture	Lecturer. PhD. Arch. Calin Corduban calin-gabriel.corduban@academic.tuiasi.ro	UG/MSc	3rd	1st	2	written materials (books) EN/FR	Yes EN	Exam EN
14	Urban Planning Projects 1. Multicriteria Site Analysis of an urban existent context 2. Visual analysis, urban principles, buildings disposal, urban functions, streets and pedestrian network, public spaces, green spaces etc. 3. Exercise the teamwork specific to urban projects.	ARA3111	Architecture	Architecture	Associate Professor PhD. Arch. Sorin Nistor sorin.nistor@academic.tuiasi.ro	UG/MSc	3rd	1st	2	written materials (books) EN/FR	Yes EN	project EN
15	Computer Aided Architectural Design Drafting in ArchCAD an individual project from the personal school - project archive of students.	ARA3116	Architecture	Architecture	Associate Professor PhD. Eng. Tania Hapurne tania-mariana.hapurne@academic.tuiasi.ro Lecturer PhD. Arch. Radu Andrei radu.andrei@academic.tuiasi.ro	UG/MSc	3rd	1st	2	Bibliography/tutorials EN	Yes EN	colloquium EN
16	Architectural Design design studio on a specific assignment The study of educational programs and collective housing materialized through projects whose themes are developed on real sites: High school / Kindergarten Collective housing with low height regime	ARA3210	Architecture	Architecture	Lecturer. PhD. Arch. Calin Corduban calin-gabriel.corduban@academic.tuiasi.ro	UG/MSc	3rd	2nd	12	design task EN	Yes EN	project EN
17	Sign, Significance in Architecture 1. Introduction. General notions of semiotics. The role of semiotics 2. Elements of architectural semiotics. Architecture as language. The semiotics of architecture. Connotation and denotation in architecture. Code, message, redundancy. Architectural semantics. Symbolic metaphor in architecture. Architectural syntax. Architectural pragmatics. Orientation and route. Limits and thresholds 3. Sign and significance in the urban space. Public space and urban image. Evaluating how people perceive and interpret the built frame, the arranged space, interaction and attitude	ARA3205	Architecture	Architecture	Associate Professor PhD. Arch. Tudor Gradinaru tudor.gradinaru@academic.tuiasi.ro	UG/MSc	3rd	2nd	2	written materials (books) EN/FR	No	Exam EN
18	Interior Design Furniture - Project 1. Interior design project detailing a real existing and accessible space, in the idea of replicating of the situations encountered in the profile market. 2. Designing a piece of furniture. 3. Realization on a large scale of a functional model for the piece of furniture studied in the previous stage.	ARA3206	Architecture	Architecture	Lecturer PhD. Arch. Horia Tundrea horia.tundrea@academic.tuiasi.ro	UG/MSc	3rd	2nd	2	written materials (books) EN/FR	Yes EN	project EN
19	Urban Planning Doctrines 1. The urban conceptual models as products of a doctrinaire process 2. Fundamental urban models 3. Placing the fundamental urban models in the contemporary world	ARA3213	Architecture	Architecture	Associate Professor PhD. Arch. Sorin Nistor sorin.nistor@academic.tuiasi.ro	UG/MSc	3rd	2nd	1	written materials (books) EN/FR	Yes EN/FR	colloquium EN/FR

20	Architectural Complex Design design studio on a specific assignment 1. Study of the housing program and complementary functions in the field of trade and services. Urban integration study of collective housing 2. Set of collective housing and complementary functions from trade and services	ARA4101	Architecture	Architecture	Lecturer. PhD. Arch. Alin Rubnicu alin.rubnicu@academic.tuiasi.ro	UG/MSc	4th	1st	13	design task EN	Yes EN	project EN
21	Building Physics I 1. Introduction to heat and mass transfer: heat transfer by conduction, convection and radiation and mass transfer by water vapor diffusion, condensation risk calculation; 2. Indoor thermal comfort (climate, thermal comfort criteria and levels); 3. 1D steady-state thermal behavior of building components; 4. Insulating materials: classification, characteristics, and thermal conductivity values; 5. Temperature measurements; 6. Thermal performance of glazing system; 7. 2D thermal field computation, thermal bridges correction; 8. Heat balance: heat losses, heat gains, building heat balance, overall heat transfer coefficient per volume, decision making for thermal upgrading, measures for thermal protection and energy conservation; 9. Unsteady-state thermal behavior of building components;	ARA4104	Architecture	Architecture	Lecturer. PhD. Arch. Adriana Kadhim-Abid adriana-lucia.kadhim-abid@academic.tuiasi.ro	UG/MSc	4th	1st	3	All course materials are distributed along the semester. ENG	Yes EN	colloquium EN
22	Architecture, Town, Society 1. Architecture - city - society connections 2. Defining sociology as a social science 3. The city as a system. Contemporary urban phenomena and processes 4. Theories in urban sociology 5. Housing as a social phenomenon 6. The city as a social phenomenon 7. Highlights of an integrated design: architecture - the city - Society	ARA4108	Architecture	Architecture	Lecturer. PhD. Arch. Razvan Nica razvan.nica@academic.tuiasi.ro	UG/MSc	4th	1st	2	All materials are in English.	No	colloquium EN
23	Sign, Semnification in Architecture 1. The imaginary in architecture. Architecture and power 2. Presentation and analysis of the attributes of buildings, likely to evoke images, appreciation of the value of significance. 3. Identity in architecture. The spirit of the place. 4. Paradigm and cultural reference. 5. Barriers in intercultural communication. 6. Significance and rationality in design	ARA4110	Architecture	Architecture	Associate Professor PhD. Arch. Tudor Gradinaru tudor.gradinaru@academic.tuiasi.ro	UG/MSc	4th	1st	2	written materials (books) EN/FR	No	Exam EN
24	Computer Aided Architectural Design Rhinoceros 5.0 - Virtual modeling tools. Presentation of the Rhinoceros program interface, explanation of NURBS topology and surface concepts. Surface operations. Grasshopper Plug - in - Mathematical modeling with Grasshopper and transposing mathematical model into real geometry with Rhinoceros. Presentation of the Grasshopper program interface and the usual menus.	ARA4111	Architecture	Architecture	Associate Professor PhD. Eng. Tania Hapurne tania-mariana.hapurne@academic.tuiasi.ro Lect. PhD Arch. Aurora Irina Dumitrascu aurora-irina.dumitrascu@academic.tuiasi.ro		4th	1st	2	Bibliography/tutorials EN	Yes EN	Project EN
25	Architectural Rehabilitation Course 1. Definition of terms: architectural rehabilitation, conversion, functional adaptation (adaptive reuse). Types of architectural rehabilitation. Areas of application. Defining the issue of architectural rehabilitation. 2. Functional conversion. Changes in the functional category of buildings. Adaptation to the requirements of the new user. 3. Conversion as a functional adaptation (adaptive reuse). Economically efficient rehabilitation. The role of the user in conversion. 4. Eco-rehabilitation - adaptation of existing buildings to contemporary energy efficiency standards. 5. Types of architectural rehabilitation. Areas of application. Elements of theory in architectural rehabilitation. Formal operations and effects. 6. Consolidations, structural interventions 7. Reference examples for architectural rehabilitation. Case studies Project	ARA4112	Architecture	Architecture	Lecturer. PhD. Arch. Radu Andrei radu.andrei@academic.tuiasi.ro Lecturer PhD. Mihaela Cehan mihaela-agata.cehan@academic.tuiasi.ro	UG/MSc	4th	1st	2	written materials (books) EN/FR	Yes EN/FR	Exam+project EN/FR
26	Architectural Complex Design design studio on a specific assignment 1. Study of the hotel program: Urban integration study hotel 4 **** Hotel urban 4 **** Integration of functions related to the hotel program - Center of conference	ARA4201	Architecture	Architecture	Lecturer. PhD. Arch. Alin Rubnicu alin.rubnicu@academic.tuiasi.ro	UG/MSc	4th	2nd	13	design task EN	Yes EN	project EN
27	Restaurations Course: 1. Defining the terms: restoration, conservation, heritage, monument. 2. The evolution of the concept of historical monument, urban heritage and the theory of restoration. Restoration doctrines. 3. Contemporary legislation at national and international level. Evidence of monuments. Classifications. 4. Research in the restoration process. Relief, elements of architectural style, historical research, archaeological research. 5. Types of historical structures. Notions of consolidation of historic buildings 6. Causes of monument degradation. Restoration solutions. 7. Methodology of conservation and restoration of monuments. Elements of documentation and representation in the restoration project. 8. Examples of reference architectural restoration. Case studies Project	ARA4203	Architecture	Architecture	Lecturer. PhD. Arch. Radu Andrei radu.andrei@academic.tuiasi.ro Lecturer PhD. Mihaela Cehan mihaela-agata.cehan@academic.tuiasi.ro	UG/MSc	4th	2nd	4	written materials (books) EN/FR	Yes EN/FR	Exam+project EN/FR
28	Building Physics II 1. Natural ventilation of buildings. The role of ventilation, performance criteria, determinants, ventilation schemes, the practical realization of natural ventilation, ventilation influence on the microclimate 2. Hygrothermal design elements of the building envelope. Energy conservation and satisfying demands of comfort, risk of condensation, criteria and performance levels of energy consumption for residential buildings, the overall energy performance of buildings with destination other than housing, thermal insulation of buildings 3. Use of renewable energies. Recovery of contributions from exploitation, exploitation of solar inputs, greenhouse effect, harnessing solar energy for interior heating and cooling systems, active and passive systems 4. Protection of buildings to the action of solar radiation. Protection systems for facades, architectural elements for protecting the glass surfaces, passive cooling solutions 5. Acoustics in buildings. Fundamentals, sounds and noises, noise and acoustic comfort, sound as physical phenomenon, sound propagation in open spaces, air and noise acoustic protection from impact 6. Acoustics in interior spaces. Sound propagation in enclosed spaces, echo, reverberation, criteria for quality listening rooms, auditoriums design principles, acoustic treatments, remarkable implemented solutions 7. Natural lighting of buildings. Light and architecture, general notions of photometry, light and color perception, visual comfort, criteria and benchmarks on natural lighting, natural lighting for the practical realization of spaces with different purposes 8. Artificial lightning. Artificial light sources, luminaries, lighting systems, architectural surfaces bright, illuminated surfaces, artificial lighting and architecture 9. Buildings fire protection. The risk of fire, the general design of buildings and fire prevention at urban planning, subdivision, escape routes, fire reaction, fire resistance	ARA4204	Architecture	Architecture	Lect. PhD Arch. Aurora Irina Dumitrascu aurora-irina.dumitrascu@academic.tuiasi.ro	UG/MSc	4th	2nd	3	Will be provided specific bibliography that addresses the general topics for the course of Building Physics in English (books, articles, ppt presentations). EN	Yes EN	Written essay and Project ("Developing a functional layout for a single-family dwelling that meets sustainability criteria, NZEB respectively") EN
29	Urban Structures 1. The global process of urbanization 2. Urban and regional planning 3. Regions, towns and cities as complex systems 4. The basic concepts in approaching urban making 5. Urban modernization and urban restructuring	ARA4206	Architecture	Architecture	Associate Professor PhD. Arch. Sorin Nistor sorin.nistor@academic.tuiasi.ro	UG/MSc	4th	2nd	3	written materials (books) EN/FR	Yes EN/FR	Exam EN

30	Urban Ecology 1. Ecosystem: The functions and benefits of ecosystems; Urban Ecosystem / City Ecosystems; Definition, concept and structure. Ecological principles in the urban landscape. 2. The phenomenon of global warming; Causes, phenomenology, propagation mechanisms and short and long term effects. Greenhouse effect. CO2 equivalent - the footprint of C, Human health. 3. Pollution sources (water, air, soil): Major sources, permanent and non-permanent sources. 4. Urban climate; Specific microclimate; Solar radiation; Temperature; Air / ventilation movements; Heat Island (UHI) and the climatic effects of urbanization. Urban Hydrology, Water Circuit in Nature, Rainwater - Domestic Water (purification and treatment); Rainwater: harvesting, storage, purification and use - classical methods, eco methods. Urban soils, texture, pH, residues, composition (access to water, air, nutrients), Maintenance of life in the soil. 5. Urban development: Hypostases, effects on the environment and population. The role and importance of green spaces in the urban matrix. Preserving biodiversity. 6. The urban environment and the environment. Factors influencing the physical-spatial characteristics. Interconditions. Consequences. Urban habitats: biodiversity, urban flora and fauna. Adaptability, Life expectancy urban versus natural environment. 7. Sustainable development. Conditions and actions for maintaining the balance of the built environment / natural environment in the context of sustainable development. 8. Quality of life in big cities. Subjective and objective perception. Factors that contribute to the increase or decrease of the quality of life in big cities. Sustainable urban development. 9. The role of the landscape in ecological planning studies. The general framework, the landscape, the resource of the environment. Procedures for integrating the landscape into the urban setting. 10. Ecological issues of the urban matrix. 11. The stages of an urban intervention for maintaining the urban sustainability in relation to the environment. 12. Environmental management. Evaluating the impact of the built environment on the natural environment. Limits of impact assessment, current trends. Classification of environmental management projects. 13. Natural disasters, a source of ecological imbalance. Causes and effects.	ARA4209	Architecture	Architecture	Lecturer. PhD. Arch. Alin Rubnicu alin.rubnicu@academic.tuiasi.ro	UG/MSc	4th	2nd	3	bibliography EN	Yes EN	colloquium EN
31	Architectural Complex Design design studio on a specific assignment Multifunctional complex Urban study of integration in the urban fabric: functional integration and volumetric integration Study of the program for offices and housing service: office space and conference rooms Complementary functions: public catering, commercial spaces, cinemas, exhibition spaces Technical design - technical and constructive details	ARA5101	Architecture	Architecture	Lecturer. PhD. Arch. Alin Hoblea alin-enver.hoblea@academic.tuiasi.ro	UG/MSc	5th	1st	13	design task EN	Yes EN/PT/IT	project EN
32	Landscape Architecture 1. Introduction. The general structure of course. Context. The definition of the concept of LANDSCAPE. The relation between LANDSCAPE-SITE-URBAN FRAME-ENVIRONMENT-ARCHITECTURAL OBJECT. 2. Classification, typology; elements of sensitive reading of Landscape. 3. Landscape structure. The relationship between environment, Site, Urban framework, object architecture. The relation between Building and Landscape. 4. Garden - philosophical and aesthetic direction. Cosmogonic theories. Archetypes garden. Site and sacredness. 5. Elements of language on reading and interpreting the landscape. Relationship Architecture / Construction / Frame Urban / Landscape / City. 6. Perceptual, aesthetic, symbolic, functional, cultural and historical Tools. Intervention in the landscape. 7. Evolution of Art Gardens. Landscape gardens styles: characteristics, evolution. 8. Landscape styles: modern tendencies of style development. Aesthetic principles and categories in landscape design. Functional and esthetic and landscape architecture. 9. Patterns of green spaces. Classifications, categories, features. 10. Designing urban green spaces. Green function. The green areas in the city.	ARA5105	Architecture	Architecture	Lecturer. PhD. Arch. Carmina Gheorghita carmina-constantina.gheorghita@academic.tuiasi.ro	UG/MSc	5th	1st	2	written materials and bibliography EN	Yes EN	Exam EN
33	Urban Composition 1. The typology of urban spaces; 2. Urban morphology and urban syntax; 3. The characteristics of urban perception; 4. Urban image: components, types, symbols; 5. The town as synthesis of urban forms; 6. Analyzing the urban major spaces – streets and squares.	ARA5103	Architecture	Architecture	Associate Professor PhD. Arch. Sorin Nistor sorin.nistor@academic.tuiasi.ro	UG/MSc	5th	1st	3	written materials (books) EN/FR	Yes EN/FR	Exam EN
34	Design 1. Design. Definitions. The anthroposphere and the technical connection; 2. History of Design, Movements in Art and Design. Pioneers of Modern Design and Architecture; 3. The perception of the Design framework. Function and form; 4. Shape, color, light. Style, ornament, design. Meanings and color codes; 5. Creativity. Psychological theories and techniques to stimulate creativity; 6. The stages of the creative process. The genesis of creativity. Theories of creativity; 7. Graphic design. The package design.	ARA5106	Architecture	Architecture	Lecturer. PhD. Arch. Alin Hoblea alin-enver.hoblea@academic.tuiasi.ro	UG/MSc	5th	1st	2	written materials (books) EN	Yes EN/PT	colloquium EN
35	Ecological Architecture 1. Introduction. Definitions. Purpose. 2: Definition of ecological architecture (green), characteristics 3: The characteristics of ecological construction elements 4: Earth architecture - traditional and modern 5: Traditional and modern wooden structures 6: "Green" Building Envelopes 7: Renewable energy sources 8: Solar architecture. Passive heating and ventilation systems. Bioclimate architecture. Active and hybrid solar systems. 9: Sustainable and energy efficient buildings - passive houses 10: Sustainable and energy efficient buildings - "Near Zero" houses and active houses. Multipurpose ecological buildings. 11: Autonomous houses. Autonomous communities (eco-villages). Energy independent regions. 12: Architectural concepts and specific forms to ecological constructions 13: Trends in ecological architecture	ARA5109	Architecture	Architecture	Lecturer. PhD. Arch. Alin Rubnicu alin.rubnicu@academic.tuiasi.ro	UG/MSc	5th	1st	4	written materials and bibliography EN	Yes EN	colloquium EN
36	Architectural Complex Design design studio on a specific assignment (museum, multifunctional centers, etc.) Socio-cultural complex Urban study of integration in the urban fabric: functional integration and volumetric integration Study of the cultural program: performance hall, library and spaces for individual study and complementary functions (cafes, restaurants)	ARA5201	Architecture	Architecture	Lecturer. PhD. Arch. Alin Hoblea alin-enver.hoblea@academic.tuiasi.ro	UG/MSc	5th	2nd	13	design task EN	Yes EN/PT/IT	project EN
37	Urban Composition (Urban Project) 1. Urban analyze of the spatial and functional configuration of a specific urban space; 2. Urban intervention in existing urban fabrics.	ARA5203	Architecture	Architecture	Associate Professor PhD. Arch. Sorin Nistor sorin.nistor@academic.tuiasi.ro	UG/MSc	5th	2nd	2	written materials (books) EN/FR	Yes EN/FR	project EN/FR
38	Landscape Architecture - Project Projects to study the rules of the composition and styles of landscape architecture.	ARA5205	Architecture	Architecture	Lecturer. PhD. Arch. Carmina Gheorghita carmina-constantina.gheorghita@academic.tuiasi.ro	UG/MSc	5th	2nd	2	design task EN	Yes EN	project EN

39	Practical Training - Research Methods in Architecture 1. Establishing the field and identifying the research topic. 2. Types and types of written text. 3. The academic text. Writing rules. 4. The structure (plan of ideas) of a research paper. Building bibliography. 5. Methodological perspective. Critical evaluation of the bibliography and working hypotheses. 6. Argumentation and construction of "evidence". Writing conclusions. 7. Writing the structure (plan of ideas) for a bachelor's thesis. 8. Techniques for approaching information and presenting the bachelor's thesis.	ARA5209	Architecture	Architecture	Lecturer PhD. Mihaela Cehan mihaela-agata.cehan@academic.tuiasi.ro Lecturer. PhD. Arch. Carmina Gheorghita carmina-constantina.gheorghita@academic.tuiasi.ro	UG/MSc	5th	2nd	2	written materials (books) EN/FR	Yes EN/FR	colloquium EN/FR
40	Communication techniques in architecture 1. Definition of architectural communication; redundancy and entropy, filter and halo, meaning and representation, architectural semantic field, unlimited semiosis. 2. Communication through graphic, imaging, and verbal representations: architectural communication in photography, film, mass media, architectural presentation. 3. Communication of social, cultural, political, economic meanings through architectural objects. Identity in architecture.	ARA 5211	Architecture	Architecture	Lecturer. PhD. Arch. Liliana-Mihaela Petrovici liliana-mihaela.petrovici@academic.tuiasi.ro	UG/MSc	5th	2nd	3	written materials and bibliography EN	EN	colloquium and project EN

Dean of the Faculty
Associate Professor PhD. Eng. Tania Hapume

Erasmus+ Faculty Coordinator
Lecturer PhD. Arch. Carmina Gheorghita