ΕΓΚΡΙΘΗΚΕ (13η ΣΥΝΕΛΕΥΣΗ ΤΜΗΜΑΤΟΣ 18/5/2023)

ΔΙΕΘΝΕΣ ΠΑΝΕΠΙΣΤΗΜΙΟ ΤΗΣ ΕΛΛΑΔΟΣ

ΣΧΟΛΗ ΕΠΙΣΤΗΜΩΝ ΣΧΕΔΙΑΣΜΟΥ

ΤΜΗΜΑ ΕΣΩΤΕΡΙΚΗΣ ΑΡΧΙΤΕΚΤΟΝΙΚΗΣ

ΤΜΗΜΑ ΕΣΩΤΕΡΙΚΗΣ ΑΡΧΙΤΕΚΤΟΝΙΚΗΣ
ΔΙΕΘΝΕΣ ΠΑΝΕΠΙΣΤΗΜΙΟ ΕΛΛΑΔΟΣ

STUDY GUIDE

DEPARTMENT OF INTERIOR ARCHITECTURE

SERRES, 2025

EDITING GROUP

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I.H.U. 2025

Table of Contents

1. FOREWOR

Dear students,

Welcome to our academic community of the Department of Interior Architecture of the International Hellenic University.

The academic staff of the Department are trying hard to provide you with scientific and theoretical knowledge, so that as graduates you will be design professionals with critical thinking, aesthetic, social and environmental sensitivity. The flexible curriculum of the Department is structured to provide the necessary skills in the areas of design and reuse of existing buildings, small-scale indoor and outdoor constructions, utilitarian objects and visual applications making the connection with the labour market a first priority.

Therefore, I invite you to actively participate in our Department's educational process, with your creativity and imagination released.

The Head of the Department

dr. Sakis Pantazopoulos
Associate Professor

2. THE INTERNATIONAL HELLENIC UNIVERSITY

2.1 General Information

The International Hellenic University (I.H.U.) based in Thessaloniki, was founded by article 1 of Law 3391/2005 (Aʹ 240) and is organized and operates as a Higher Educational Institution (HEI) in the university sector, in accordance with paragraph 1 and indent a' of paragraph 2, article 1, Law 4485/2017 (Aʹ114).

With Law 4610/2019 (Government Gazette 70/Aʹ/7-5-2019) seven (7) Schools were established therein with corresponding Departments in each of them.

Besides, there is a University Center for International Studies in IHU, based in Thessaloniki , which operates as an academic unit of the institution.

The following Departments are established at the University Center for International Studies:

a) Humanities, Social and Economic Sciences, which is part of the School of Humanities, Social and Economic Sciences.

b) Science and Technology, which is part of the School of Science and Technology

The above Departments are located in different cities of Northern Greece. Most of them are mainly concentrated in four campuses: Thermi (where the University headquarters is also located), Sindos, Serres and Kavala.

2.2 Academic and Organizational Structure

According to the current legislation, each University is subdivided into Schools, which cover a set of related scientific disciplines, so that the necessary coordination for the quality of the education provided can be ensured. A School is subdivided into individual Departments which also constitute the basic academic units. The units in question cover the subject of a specific scientific field and award the corresponding degree/diploma. The Schools of the International Hellenic University - with their Departments - are as follows:

SCHOOLS	DEPARTMENTS
SCHOOL OF ECONOMICS AND BUSINESS ADMINISTRATION (Thessaloniki)	• Department of Business Administration (Serres) • Department of Economic Sciences (Serres) • Department of Supply Chain Management (Katerini) • Department of Accounting and Finance (Kavala) • Department of Business Administration, Marketing and Tourism (Thessaloniki) • Department of Accounting and Information Systems (Thessaloniki) • Department of Management Science and Technology (Kavala)

SCHOOL OF SOCIAL SCIENCES (Thessaloniki)	• Department of Library, Archive and Information Science (Thessaloniki) • Department of Early Childhood Education and Care (Thessaloniki)
SCHOOL OF HEALTH SCIENCES (Thessaloniki)	• Department of Biomedical Sciences (Thessaloniki) • Department of Nutritional Sciences and Dietetics (Thessaloniki) • Department of Midwifery Science (Thessaloniki) • Department of Physiotherapy (Thessaloniki) • Department of Nursing (Thessaloniki) • Department of Nursing (Didymoteicho Branch)
SCHOOL OF ENGINEERING (Serres)	• Department of Industrial Engineering and Management (Thessaloniki) • Department of Environmental Engineering (Thessaloniki) • Department of Information Technology and Electronic Engineering (Thessaloniki) • Department of Computer, Informatics and Telecommunications Engineering (Serres) • Department of Surveying and Geoinformatics Engineering (Serres) • Department of Mechanical Engineering (Serres) • Department of Civil Engineering (Serres)
SCHOOL OF DESIGN SCIENCES (Serres)	• Department of Creative Design and Clothing (Kilkis) • Department of Interior Architecture (Serres)
SCHOOL OF SCIENCES (Kavala)	• Department of Computer Science (Kavala) • Department of Physics (Kavala) • Department of Chemistry (Kavala)
SCHOOL OF GEOSCIENCES (Drama)	• Department of Agricultural Biotechnology and Oenology (Drama) • Department of Agriculture (Thessaloniki) • Department of Forestry & Natural Environment (Drama) • Department of Food Science and Technology (Thessaloniki)
SCHOOL OF HUMANITIES SOCIAL SCIENCES AND ECONOMIC STUDIES (Thessaloniki)	• Department of Humanities Social Sciences and Economic Studies (Thessaloniki)
SCHOOL OF SCIENCE AND TECHNOLOGY (Thessaloniki)	• Department of Science and Technology (Thessaloniki)

The administrative bodies of each School are the Deanery and the Dean.

The Deanery of each School consists of:

-the Dean of the School,

- the Presidents of the Departments, and

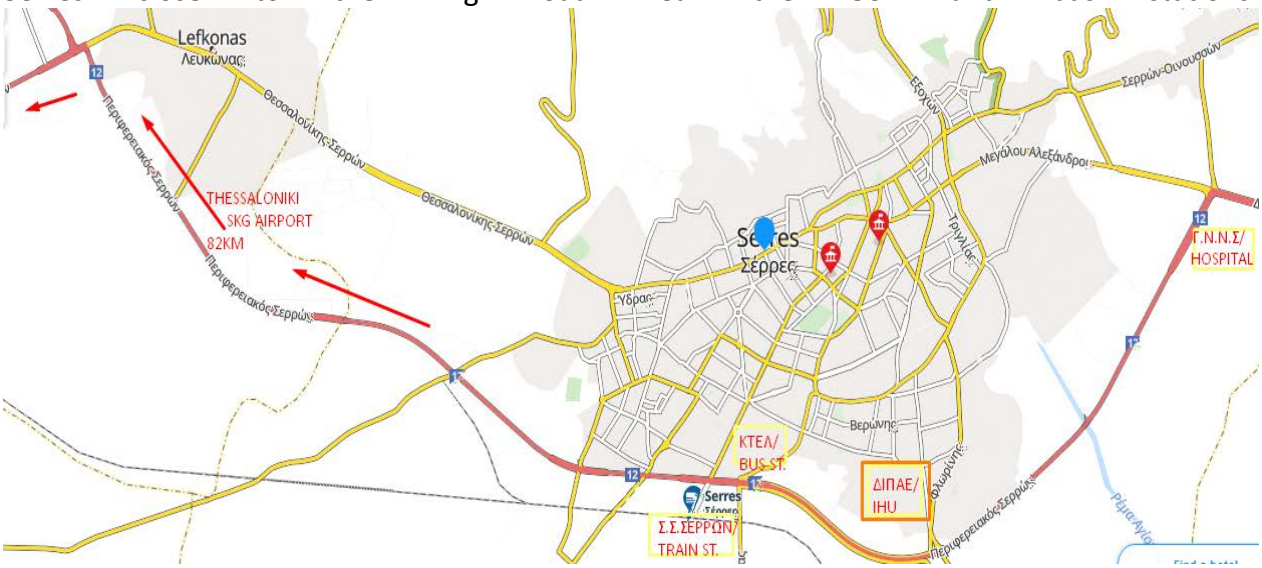
- representatives of Special Technical Laboratory Staff (E.TE.P.), Special Teaching Laboratory Staff (E.D.I.P.), and students.

The Department is managed by:
- the Department's Assembly
- the Management Board, and
- the President of the Department

The Assembly of the Department is made up of the Educational Staff members of the Department, the technical staff representatives, undergraduate and postgraduate students.
The Assembly and the President of the Department consist of the Bodies of the Departments' (established) directions (Sectors) - where they exist. The Assembly is made up of the Educational Staff members of each course and of student representatives.

2.3 The University Campus of Serres

The University Campus of Serres occupies a large plot of land at the southern end of the town of Serres close to the ring road near the OSE and bus stations.



The campus of the University of Serres campus originally housed the "TEI of Serres" which was founded in 1983 by Law 1404/83 and was integrated into the Higher Education by Law 2916/2001.In 2013 it was renamed TEI of Central Macedonia by Presidential Decree 102/2013.

In TEI of Central Macedonia there were two schools, the School of Technological Applications (STEF) with four departments and the School of Management & Economics (SBO) with three departments. The School of Graphic Arts & Artistic Studies was abolished in 2013 and the Department of Interior Architecture. In TEI of Central Macedonia, several Postgraduate Programmes were also operating. The total number of registered students was 14,000, while the number of administrative, teaching and technical staff was 400.

Within its mission, TEI of Central Macedonia provided high quality theoretical and practical education for the application of scientific, technological knowledge and conducted applied and technological research. To become a graduate, a student had to successfully complete the courses of his/her department, prepare a thesis and carry out a six-month internship.

As of 25/04/2019, when the multi-bill for higher education was passed, the Technological Educational Institute of Central Macedonia is now part of the International Hellenic University (IHU).

The following faculties of the International University of Serres are located in the University Campus of Serres:

Interior Architecture, Faculty of Design Sciences,

Economics, School of Economics & Management

Business Organization and Management, School of Economics & Management

Mechanical Engineering, of the Faculty of Engineering

Surveying and Geoinformatics Engineering, Faculty of Engineering

Civil Engineering, the Faculty of Engineering

Computer, Information, Computer and Telecommunication Engineering, School of Engineering

The following University Research Centers (KEK) of the IHU are also located in the University of Serres Campus:

Institute of Urban Environment

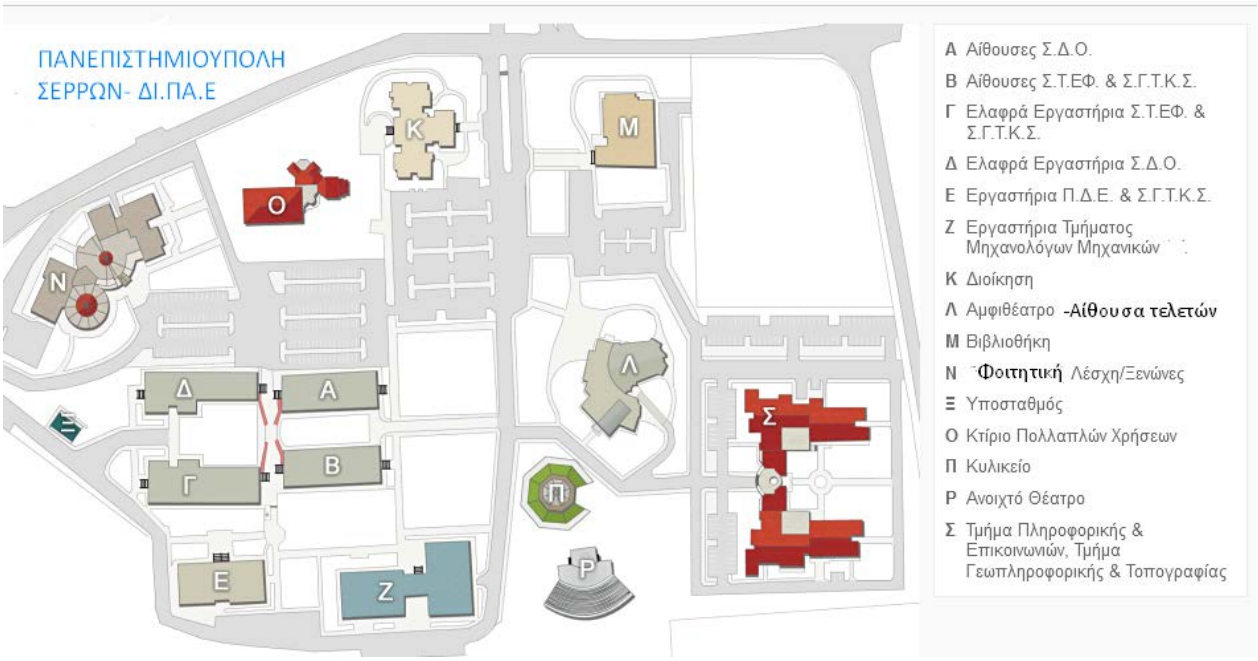
Institute of Industrial Innovation and Digital Agriculture

The remarkable Campus Library has been operating since 1985 and supports the educational process with a number of important services and facilities.

The University Campus of Serres is a modern and organized University Unit and provides all the necessary administrative and electronic services.

The Campus facilities include: the Administration building, the Multipurpose building, the Ceremonial Hall, the open theatre, the canteen and the student club with the hostels.

A large part of the campus is occupied by landscaped green spaces surrounding the buildings and parking lots.



Map of the University of Serres campus

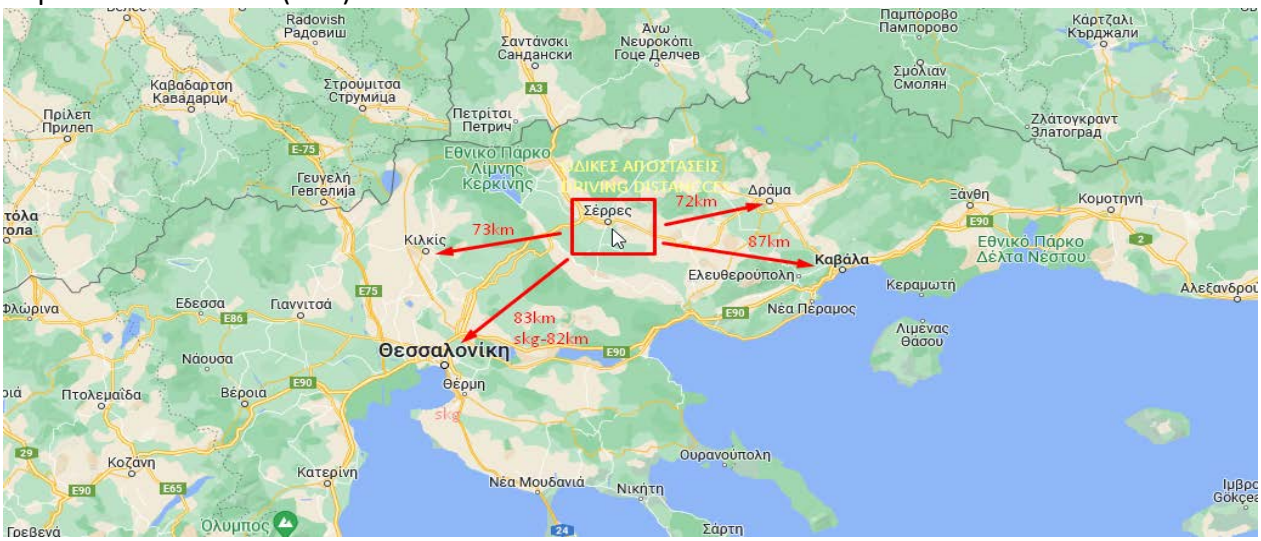
3. THE CITY OF SERRES

3.1 Geographical and Demographic Information

Since 2011, the Prefecture of Serres is the Regional Unit of Serres, one of the 74 regional units of the country and one of the seven of the Region of Central Greece, in the Regional Council of which it holds 7 of the 71 seats. To the east it borders the prefectures of Drama and Kavala and to the west the prefectures of Thessaloniki and Kilkis; to the north it borders Bulgaria and North Macedonia.

The total area of the prefecture is 3,967.744 square kilometers, which is 3% of the area of Greece. 41% of the total area of the prefecture is arable land, which determines the main occupation of the inhabitants of the prefecture. The total population of Serres Prefecture, according to the 2021 census data, is 151,124 inhabitants. The inhabitants of the prefecture are mainly either native Greeks or refugees from Eastern Thrace, Asia Minor and Pontus. The capital of the Prefecture of Serres is Serres.

The city of Serres (seat of the Regional Unit of Serres) is the second largest city in the Region of Central Macedonia in terms of population, with 54,461 inhabitants according to the 2021 census data. It is 83 km from Thessaloniki and 581 km from Athens. The distance of Serres from the airport ''Macedonia'' (SKG) of Thessaloniki is 82 km.



3.2 Historical data

The ancient city (Sirris) was first mentioned by Herodotus (in the 5th century BC), but its long history leaves its traces for 4 millennia, as its foundation seems to date back to at least the beginning of the 2nd millennium BC. The city occupied an important geostrategic and geoeconomic position, as it dominated the fertile Serraic plain and controlled a very important road, which, running along the Struma River, from the coast of the North Aegean to the Danubian countries, as well as a waterway which, through Lake Kerkinitida and the navigable river Struma, ensured communication between the Thracian hinterland and the Struma Gulf.

During the Roman era (168 BC-315 AD) the city, now referred to as Sirra (Sirrian city), declined due to, on the one hand, repeated barbarian raids and, on the other hand, the poor management of the Roman governors.

On the contrary, it flourished as a Macedonian city, as it was the seat of a 'federation' of five cities ('Pentapolis') and actively participated in the provincial organization of the 'Commonwealth of Macedonians'. Here the city seems to have acquired the typical Greek urban structure with a Bouleuterion, theatre, temples, and gymnasium.

The city's prosperity continued in the Byzantine era where it is referred to as a "great and wondrous city", large, powerful, and rich, and was the capital of the Strimonos Theme.

In 1345, after the short-lived Serbian rule and the return to the Byzantine Empire, the period of Turkish rule (1383-1913) followed.

During the Macedonian Struggle, the Serrans fought fiercely against the Ottomans and the Bulgarian komitajids.

From 1912 to the Second World War the city was under Bulgarian occupation 3 times (1912-13, 1916-18, 1941-1944). From 1913 the city received 2 successive settlements of refugees (1913-1914, 1919-1924) from northern Macedonia, Eastern Rumelia, Eastern Thrace, Pontus and Asia Minor. According to the 1928 census, the city of Serres was among the ten municipalities in the country with the highest proportion of refugees in its total population (50.4%).

After the end of the civil war, the prefecture and the city did not develop. The devaluation of agricultural products led residents to emigrate, both internal and external. Due to the fires, the current town is newly built with few old buildings surviving. The Trade Square with the Municipal Market is the most important pole of commercial operations related to the food industry. Further north and a short distance away, Liberty Square concentrates recreational functions which are developed on the facades of the surrounding blocks and on the pedestrian streets, which, centered on the square, extend into the old commercial center of the town. There are no significant open public spaces within the city. The only large open space within the residential area is the area between the neighbourhoods of Timios Stavros and Kiouplion. This space includes an elementary school and a municipal summer theater. However, the lack of green spaces within the city and particularly in the densely populated central neighbourhoods is made up for by the greenery of the Koula area to the north and the greenery of the Heron area to the south of the city. The area of the valley of Agioi Anargyroi in the north-east combines greenery, sports facilities, leisure activities (taverns, cafés, bars, summer cinema) and makes up for the lack of similar spaces in the city.

Important Byzantine monuments in the town of Serres are the Acropolis (a work of the 9th century AD, when the emperor Nikiforos Fokas built fortifications in the town of Serres and today the best-preserved part of the Acropolis is the tower of Orestes), the church of St Theodoroi and the church of St George of Kryoneritos.

In the city there are also 4 important Ottoman monuments: the Mehmet Bey Mosque (1492-93), the Tzinjirli Mosque (end of the 16th century), the Mustafa Bey Mosque (1485) and the Ottoman market Bezesteni. It is estimated that it was built in 1485 by Chandarli Ibrahim Pasha on the model of the Byzantine markets and since 1968 it was decided to house the Archaeological Museum of Serres. Other important buildings of the city are the church of St.

Nicholas on the Acropolis (built in 1937 on the ruins of a 12th century church that had already been destroyed in the 17th century), the Serres administration building (the work of the architect Xenophon Peonidis, built in the period 1898-1905), the Old Orpheus-DH. PEP. Theron (built by the group of the same name in 1905), the house Maroulis (neoclassical building built at the end of the 19th century), the neoclassical building Mallios (house of 1920), the 3rd High School of Serres (1885), the historic 1st High School of Serres, the Nasioutzik Building (since October it houses the Municipal Regional Theatre of Serres) and the house of the famous painter Umberto Argyros.

In the first half of 2022, the Museum of Contemporary Art "Konstantinos Xenakis Gallery" was inaugurated in the area of the "Konstantinos Karamanlis" Cultural Park https://mcx-serres.gr/.

Since 1952 the Public Central Library of Serres has been operating https://serrelib.gr/

For the friends of motor sports in the town, the Serres Motorway, built in 1998 with safety standards up to Formula 3 level, is the largest track in Greece and the only one in the country that meets the construction standards of the FIA and FIM. https://serrescircuit.gr

In the wider area of Serres there are remarkable archaeological and historical sites, with the most important ones: the Museum and the archaeological sites of Amphipolis, Ancient Argilos and the historical monasteries: Timios Prodromos of Serres, Panagia Ikosifoinisis, Agia Kyriakiaki Alistrati. Also, in the wider area of Serres, nature lovers should visit: the wetland at Lake Kerkini, Ano Poroia, the cave of Alistrati and the adjacent gorge of the river Angitis.

3.3 Useful links of transportation

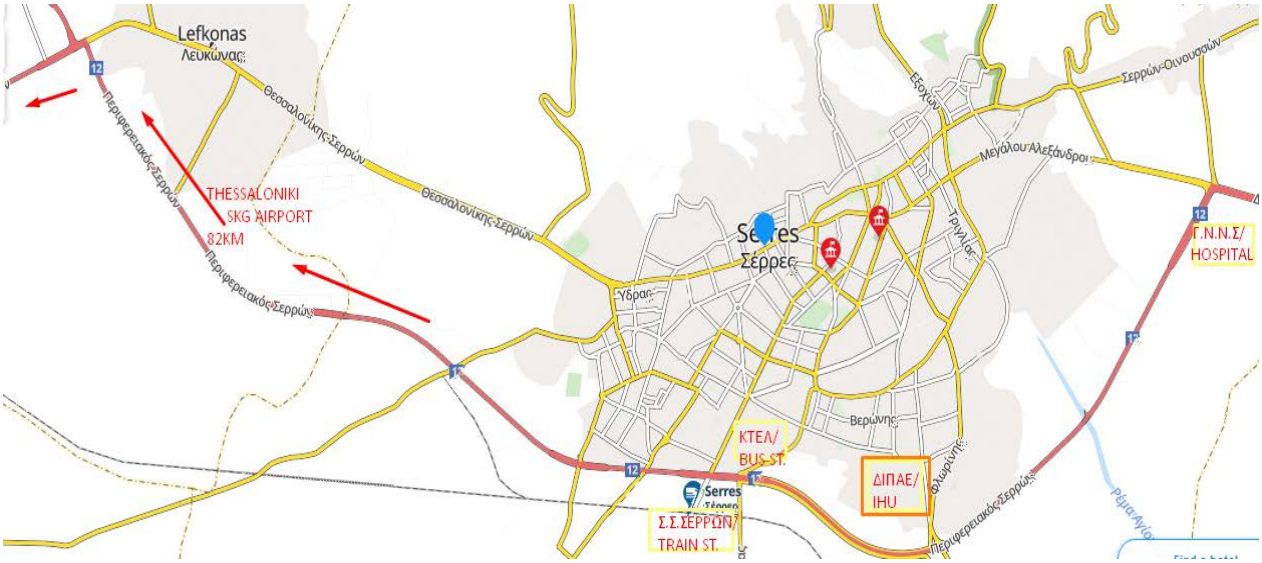
The A25 motorway connects the town of Serres with Thessaloniki and the Greek-Bulgarian border of Promahona.

The Urban Bus Station of Serres (has taken over the transport within the city, while the Intercity Bus Station of Serres connects the city with other cities in Macedonia and the rest of Greece. The Intercity Bus Station of Serres is located just 1km from the University Campus of Serres near the ring road.

Also next to the ring road, 2 km from the University Campus of Serres, is the Serres railway station (S.S.SERRON), on the Thessaloniki-Alexandroupolis railway line.

In Thessaloniki, the nearest airport (SKG) is located 82 km away, 3 km west of the campus on the Serres - Drama artery, the General Prefectural Hospital of Serres is

located.



LIST OF USEFUL TELEPHONES

Public transport

OSE 2321059700, 59112, 59844, 59776
KTEL ..... 2321022822 και 14505
BUS (EMPORIOU SQUARE) 2321022338
BUS (OFFICE) 2321023572
TAXI 2321059100, 59422

First Aid

EKAV (EKAB) 166
HOSPITAL 2321094500
Fire Department 199
Forest Fire Coordination Centre 191
Traffic Police 2321090809, 90872

Health

HOSPITAL 2321094500
(appointment) ..... 1535)
EKAV (EKAB) 166
Rehabilitation Centre for People with Special Needs (K.A.A.M.E.A.)
..... 2321022273 & 4 2321066181
Mental Health Centre 2321058385, 67087

Police

(KERASOUNTOS 3)
Police Department 2321090800-2
Direct Action 100
Security Department 2321090804-5
Traffic Department 23210 90809-10
Identity Department 2321090916
General Tourism Police Office 2321090840

Museums

Archeological Museum 2321022257
Archeological Museum Amfipolis 2322032474
Ecclesiastical Museum 2321068100, 22461, 98209
Natural History Museum 2321099395, 52062, 83616
Ethnological Museum 2321062528, 99439
Museum of Modern Art "Konstantinos Xenakis" .https://mcx-serres.gr/

Cinema

«Cronio» 2321052430
Summer Cinema 2321052430

Cultural Sites

Artio (Sxoina House) (N. Foka & Acropoleos 6) 2321400715
Public Central Library of Serres (N. Nikolaou 20) 2321098550
DI.PE.THE of Serres (Theater «Asteria») (P. Kostopoulou, 4, 62100) 2321054585, 54755
(www.dipetheserron.gr, e-mail: dipethes@otenet.gr, dipetheserron@gmail.com)
KEDIS 2321068900, 2321068910
Group "Orpheas"of Serres (P. Kostopoulou 12) 2321021991, 22700ΚΕΔΗΣ
..... 2321068900, 2321068910
Group "Orpheas" of Serres (P. Kostopoulou 12) 2321021991, 22700
A detailed list of useful telephone numbers for the Serres area can be found at the link:
https://cm.ihu.gr/index.php?cat_id=89

4. THE DEPARTMENT OF INTERIOR ARCHITECTURE

The Department of Interior Architecture, School of Design Sciences of the International University of Greece was established in May 2019 by Law 4610 (Government Gazette 90/Α΄/07-05-2019) “Synergies of Universities and T.E.I., access to higher education, experimental schools, General Archives of the State and other provisions".

Before that there was the Department of Interior Architecture, Decoration and Object Design. The Department of Interior Architecture, Decoration and Design of Objects were established in 2009 by Presidential Decree No. 24/2009. Then, by the Presidential Decree No. 127/2013 amending article 6 (transitional provisions) "Renaming of the Technical University of Serres to the Technical University of Central Macedonia - Merger - Abolition of Departments - Establishment of Faculties of the Technical University of Central Macedonia" the Department of Interior Architecture, Decoration and Object Design continues to operate in its existing form until 2018, when it is abolished. In 2017, and before its abolition, by the Government Gazette 524/B/21-2-2017, the Department of Interior Architecture, Decoration and Object Design of TEI of Central Macedonia reopens and for two consecutive academic years it accepts candidates for the Panhellenic Examinations. In 2019, with the law no. 4610/2019, published in the Government Gazette A' 70/07.05.2019, the TEI of Central Macedonia was abolished as an independent legal entity and was incorporated into the International University of Greece (IHU), based in Thessaloniki. By the same law, the Department of Interior Architecture emerged from the integration of the Department of Interior Architecture, Decoration and Object Design of TEI of Central Macedonia into the International University of Greece. The headquarters of the Department of Interior Architecture is located in Serres and operates in the facilities of the University Campus of Serres.

The aim of the Department of Interior Architecture is to promote the science of theory and practice of Interior Architecture, both with analogue and digital media, while developing the applied arts and design of furniture, industrial and decorative objects that make up the interior space.

There are no institutionalised areas in the Department of Interior Architecture. However, the courses of the Department of Interior Architecture are classified organisationally and cognitively into four course directions:

Sector A: Architectural Composition, Theory and Criticism
Sector B: Industrial Design, Theory and Criticism
Sector C: Visual Arts and Space
Sector D: Spatial Digital Representations and Technology

Figure 1. View of the Interior Architecture Department's building

5. THE UNDERGRADUATE STUDY PROGRAM

5.1 The aims of the Undergraduate Study Program

The aim of the Undergraduate Study Program of the Department Interior Architecture is the development of critical thinking, research ability, and artistic and technical scientific training for the study and implementation of a designed space, which is the expression of the unity of the arts with man as the protagonist. It focuses on the design of interiors and includes applications in new buildings, the redesign and re-use of existing buildings and traditional listed buildings with emphasis on morphology, structure, interior design, decoration, furnishing and equipment of the space. At the same time, visual applications in urban space are explored.

The programme is implemented through traditional analogue design methods but also through the application of modern digital methods for the study and presentation of an architectural or visual art project, digital multimedia reproductions of interior space, applications of intelligent design systems in buildings and utilitarian objects and innovative interactive digital applications.

5.2 Awarded title and level of qualification

Graduates of the Department of Interior Architecture are awarded the Undergraduate Degree of Higher Education (1st Cycle of Studies) with the name: BACHELOR OF INTERIOR ARCHITECTURE

The Programme of Studies of the Department provides its graduates with the necessary scientific knowledge in the fields of Architectural Composition, Theory and Criticism, Industrial Design, Theory and Criticism, Visual Arts and Space and Spatial Digital Representations and Technology.

The degree of the Department provides access to postgraduate studies in any institution in Greece or abroad, according to the respective regulations.

5.3 Career Prospects for Graduates

Upon successful completion of the studies, the graduate of the Department of Interior Architecture has acquired the necessary scientific, technological, artistic and special knowledge, abilities and skills to be employed as an Interior Architect. He/she has the ability to work either as a self-employed person or as a manager or member of an interdisciplinary team in private and public companies, organisations or services which are relevant to the subject matter of the Department of Interior Architecture.

The graduate, upon completion of his/her studies, has the ability to function and work as an individual. At the same time, he/she has acquired the necessary technical skills to collaborate effectively with specialists from different scientific and artistic fields for the successful completion of a project and to work in a team and interdisciplinary study environment. They can also tackle and solve complex problems in different circumstances and data on specialised fields.

A graduate of the Department of Interior Architecture can competently carry out any professional activities related to the design of interiors, the functional, utilitarian and aesthetic study of interiors, the application of "Green" architecture and modern bioclimatic energy data in

the design of interiors of old and new buildings, the decoration of objects or large units, the design of industrial, utilitarian and decorative objects and the standardization of industrial and bioclimatic design. In addition, it can carry out studies involving structural elements that do not affect the building's load-bearing structure and studies involving the design of exterior spaces and lightweight ephemeral, portable and variable small-scale structures. The graduate will have acquired sufficient knowledge of modern digital media and methods of representing interior and exterior spaces and objects, lighting design, artistic installations, interactive and hybrid systems. Finally, they may complement, specialise and deepen their knowledge of the subject matter of their studies by attending postgraduate courses and participating in research projects and laboratories.

6. INFORMATION on the CURRICULUM of STUDIES

6.1 Duration of Studies

The first cycle of studies in the Department of Interior Architecture , School of Design Sciences of the International Hellenic University requires attending an Undergraduate Study Program (USP), which includes courses corresponding to a minimum of 240 (300) credits (ECTS). It typically lasts four (4) academic years and culminates in the award of a degree. In each academic year, the student chooses educational activities corresponding to 60 credits (ECTS) (Para. 2b Article 30 LAW 4009/2011)

The USP studies are conducted with the system of semester courses, which are divided into fifty-two (52) instructional and the final thesis that includes the preparation of a Diploma Thesis.

The maximum duration of study in a first-cycle study program consists of a minimum duration of eight (8) academic semesters for the award of the degree, increased by four (4) academic semesters. In a study program whose minimum time exceeds eight (8) academic semesters, the maximum duration of study is the minimum study time, increased by six (6) academic semesters. After the completion of the maximum period of study, the Board of Directors of the Department issues an act of deletion (article 76, par. 1, Law 4957/2022).

Students who have not exceeded the upper limit of study may, after applying to the Department Secretariat, interrupt their studies for a period of time that does not exceed two (2) years. The right to interrupt studies may be exercised once or partially for a period of at least one (1) academic semester, but the duration of the interruption may not cumulatively exceed two (2) years, in case it is partially provided. Student status is suspended during the interruption of studies and participation in any educational process is not allowed (article 76, par. 4, Law 4957/2022).

6.2 Admission and Registration

Students are those who are registered in the Department of Interior Architecture of the I.H.U. after passing the entrance exams to higher education, by transfer or by qualifying exams in accordance with the current regulations.

The registration of newly admitted students takes place at the Department's Secretariat within the time limits defined each time by the Ministerial Decisions.

The passing candidates of the Panhellenic examinations who completed their registration through the electronic application of the Ministry of Education and Culture must carry out the identity check at the Secretariats of their Departments, submitting the following supporting documents.

1. Application for registration (printed from the website of the Ministry of Education),

2. Photocopy of identity card (ID),

3. One (1) photo (ID type),

For the remaining categories of new entrants, the required supporting documents are announced on a case-by-case basis

6.3 Academic Year Calendar

The academic year begins on 1 September of each year and ends on 31 August of the following year. The educational work of each academic year is divided into two semesters, the winter and the spring semester. Each semester consists of 13 weeks of teaching and has one examination period. In September before the start of the winter semester there is an examination period for all the courses in the spring and winter semesters. For courses or laboratories that are examined by progress and/or assignments during the normal course of the academic year, there is no requirement for a re-examination in September.

The course of study in the Department of Interior Architecture lasts for eight (8) semesters. Courses or exams are not held in the two months of summer holidays (July and August). Holidays also include:

Christmas Holidays: December 24 to January 7.

January 30: The Three Patron Saints of Education Day

Clean Monday

March 25. The Annunciation / National Anniversary of the 1821 Revolution against the Turkish Rule

Easter Holidays: from Holy Monday to Thomas Sunday

May 1st: Labor Day

Holy Spirit Day: Monday (after Pentecost).

October 28: National celebration

November 17: Students' uprising in the National Technical University of Athens against the junta in 1973

On the feast day of the Patron Saint of the city of Serres, June 29, 2023.

6.4 Specific Arrangements for Recognition of previous Studies

At the Department of Interior Architecture, qualifying examinations are held for graduates of higher education who wish to obtain a second degree, in accordance with the legislation F.1/192329/B3/13-12-2013 (Government Gazette 3185 B') 'Classification Procedure for Graduates of Higher Education' and the Ministerial Decision number 92983/Z1/11-06-2015 (Government Gazette 1329 B'/02-07-2015).

According to the decision of the Assembly of the Department of Interior Architecture, the graduates are classified in the first semester of studies. The successful candidates are exempted from the courses History of Art and Architecture I, Artistic Themes I and Design Methodology in which they were examined. However, they are required to take all other courses. By decision of the General Assembly of the Department, the candidates are exempted from the examination of courses of the curriculum of the host Department (EA DIPAE), which was taught in the

Department or the School of origin, upon their request, together with: A detailed grade report and a summary of the curriculum.

6.5 Course declaration - Renewal of registration

The registration of newly admitted students is done electronically, whereby the student submits the application form and posts all the required documents on the electronic platform maintained by the institution within the legal deadlines as defined by the Ministry of Education and Religious Affairs.

Course registration procedures are carried out electronically, approximately two weeks after the start of classes for the academic semester, on the dates set by the Assembly of the Department and announced by the Secretariat. The course declaration includes all courses that students choose to take in the current academic semester and may not exceed 45 credit hours (ECTS) per semester. The declaration may not include prerequisite courses for which the prerequisite requirement has not been fulfilled. Students who have not submitted a course declaration shall not be admitted to the examinations of the semester concerned. Especially for newly admitted students, the first semester course declaration is made together with the application for the first enrolment in the Department.

6.6 Academic ID- Student pass

For the issuance of an Academic Identity Card with an integrated Student Ticket (PASO), students submit their application online at the website http://academicid.minedu.gov.gr/. Thereafter, and once the application has been approved by the Department's Secretariat, students can collect the special ticket voucher (pass) from a specific delivery point, which they will have selected when submitting their application.

Since 09/24/2012, undergraduate, postgraduate and doctoral students of all Universities in the country can electronically apply for the issuance of their academic identity card

Electronic Academic Identity Service - Informational Portal (minedu.gov.gr)

Electronic Service for Acquiring Academic Identity - Information Portal (minedu.gov.gr).

6.7 Teaching Aids and Resources

The educational work is supported by the corresponding coursebooks, which are provided free of charge to the students, through the Electronic Integrated Book Management Service (Eudoxus). Students, after submitting the electronic declaration of courses each semester, also make the corresponding declaration of books on the web portal of the "EUDOXUS" system (http://eudoxus.gr/), with which they declare the coursebooks they wish to receive.

For a student to be able to make the declaration of his/her textbooks, the access codes (username - password) issued by the Secretariat of the Department and used for the other electronic services of the Institution are required. The student enters a central web page of the Central Information System (CIS) from where he/she is authenticated. There he is informed about the approved textbooks of the Department's courses and selects those he is entitled to (one textbook per course he has registered). The instructor of each course has already proposed one or more textbooks suitable for the study of the course. Then, the student receives directly from the CPS an SMS and an e-mail with the code PIN, with which he/she receives the

selected textbooks either from the Library of the University Campus of Serres or Kavala or Thessaloniki, or from another contracted bookstore that will be indicated to him/her, or by any other procedure that will be qualified by the Ministry of Education and the service Eudoxos (e.g. (e.g. by courier services), on working days and hours, on presentation of his/her identity card.

6.8 Course of Study

The Programme of Studies supports 53 courses of which 49 are compulsory core courses and 18 are elective compulsory courses, where the student chooses 1 in the 4th, 5th, 6th and 7th semesters (a total of 4 courses).

The thesis is a compulsory course in the curriculum of the Department of Interior Architecture. Each student of the last formal semester is required to prepare a thesis. It is prepared under the supervision of a teaching staff (EP) and focuses on the application of the subjects of the Department. For the preparation of the thesis, the premises and equipment of the Department are used, if necessary. The thesis is a requirement for the award of a degree both in the EA curriculum (16 ECTS credits)

The Practical Training is optional, considered as a free choice course and credited with 3 credits (ECTS). It is a full-time job of 2 months duration. The Practical Training may be conducted only once during the course of studies, after the 5th semester.

In order to obtain the degree, students must successfully complete 52 courses and successfully complete their thesis.

The main fields of knowledge of the Department are related to:

a) Architectural Composition

b) Industrial Design

c) Visual Arts and Space

d) Spatial Digital Representations and Technology

Courses are divided into Theoretical and Compositional (where theory and practice function as an integral unit).

The educational process of each course includes:

A. For theoretical courses lectures, seminars and theoretical progress papers, provide general knowledge and to a large extent serve as a background to the synthetic courses.

B. For "composition" courses (combining theory and laboratory) lectures, presentations and laboratory practice, which function as a single creative, evolving open process. The main fields of knowledge of the Department are related to:

a) Architectural Composition

b) Industrial Design

c) Visual Arts and Space

d) Spatial Digital Representations and Technology

Credits: Each course in the Department's curriculum is identified by a number of credits.

The credit units, which are allocated to each course, are a measure of the workload required to complete the objectives of an Academic Program by the individual student.

Course Grading. The examinations are conducted face-to-face and both the mode of examination and the assessment parameters are determined by the lecturers for each course (reference to k.14 - Detailed course outlines).The assessment of student performance in each course can be carried out in one of the following ways or a combination of them

- Written examination - multiple-choice questions and/or development of specific topics
- Oral examination
- Theoretical work
- Progress assignment - carried out during the semester
- Critical choice questions in hypothetical cases
- Laboratory exercises
- Portfolio organisation
- Project presentation - group/individual

It is the sole responsibility of the teacher of the course to determine the method and procedure of assessment in each course.

6.9 Examinations

The examinations are conducted exclusively after the end of the winter semester and the spring semester during the periods January - February and June - July, for the courses taught in these semesters, respectively. Students are entitled to take examinations in the courses of both semesters before the start of the winter semester of the following academic year, during the September term.

In particular, the winter semester examinations begin one week after the completion of the semester's courses, last for three weeks and are normally followed by a free week before the start of the spring semester's courses. Spring semester examinations begin one week after the completion of the semester's courses and last three weeks.

6.10 Bachelor's Diploma Thesis

The thesis is a compulsory course in the curriculum of the Department of Interior Architecture. Each student in the last formal semester is required to prepare a thesis. It is carried out under the supervision of a teaching staff (EP) and focuses on the application of the subjects of the Department. For the preparation of the thesis, the premises and equipment of the Department are used, if necessary.

The thesis is a requirement for the degree in the Department's curriculum and is equivalent to 16 ECTS credits.

The preparation of a thesis is compulsory for all students of the Department. The thesis is assigned to a student of the Department at the beginning of the last semester of studies (8th semester) and if the student has successfully and completely completed all courses of the curriculum, or if he/she owes a maximum of five courses of which only one can be a specialization course (M.E.)

The thesis must be completed within one academic semester. The duration of the thesis may be extended up to a maximum of three semesters in total. After this time the subject is automatically removed from the student and he/she is obliged to take up a new subject following the whole procedure from the beginning.

At the beginning of each semester (first two weeks) a request to start a thesis along with a certificate of the student's analytical grade is submitted to the Secretariat. The application form indicates the supervising teacher and the title of the topic. The declaration is completed and signed by the student and the supervising professor and subsequently (third week) approved by the Departmental Assembly.

6.11 Work placement (internship)

The Internship is an optional full-time work placement of two (2) calendar months in the private or public sector prior to receiving the degree. The PA is a free-choice course, equivalent to 3 ECTS and is equivalent to one elective course. The PA takes place after the end of the fourth formal semester of study. Each student may only undertake a PA once during his/her studies only through an ESF programme. The PA can be carried out either in the home country or abroad (EU, Norway, Liechtenstein, Iceland, Norway, Iceland, Turkey).The PA abroad is carried out through the Erasmus programme (Erasmus Office Manager of the University of Serres Campus.)

6.12 Degree Grade - Declaration of Graduation

The diploma certifies the successful completion of the student's studies and indicates the degree. The grade is in order of success: "Excellent" from 8.50 to 10, "Very Good" from 6.50 to 8.49 and "Good" from 5 to 6.49. The degree grade is obtained as prescribed by the applicable regulations of the Department provided that students have successfully completed 52 courses in the curriculum and the Thesis.

The degree grade shall be derived by an approximation of two (2) decimal places and shall be obtained from the formula:

$$B = \frac{\delta 1\beta 1 + \delta 2\beta 2 + \ldots \delta v\beta v}{\delta 1 + \delta 2 + \ldots \delta v}$$

Where β1, β2, ..., βv are the respective grades of all courses taken by the student and δ1, δ2, δ3..., δn are the respective credits.

The student has completed the requirements for the award of a degree if and when he/she has a total of 240 ECTS.

- The successful completion of at least 52 courses and the completion of the thesis is required for the degree.

- The 48 courses and the thesis are compulsory.
- 4 are compulsory electives and are chosen from the 5th to the 8th semester.
- The thesis is compulsory and is carried out after completion of most of the courses and not earlier than the 8th semester.
- The thesis is conducted individually or by a group of two students under the guidance of a member of the Department's teaching staff.
- The thesis has 16 ECTS.
- Students in the Department have the option of an optional two (2) month internship. The internship has 3 credits and is equivalent to one Elective Compulsory Elective course.

6.13 Graduate Certificate - Transcript of Records –Diploma Supplement

Students complete their studies and are awarded a degree when they have completed the minimum number of semesters required to obtain a degree or diploma, have successfully passed the courses provided for in the curriculum in accordance with the terms and conditions set out therein and have accumulated the required number of credits. The degree or diploma shall bear the grade in decimal form, which may have up to two decimal places. The grade may range from five (5) to ten (10). A score of 5 to 6,49 corresponds to a 'good', 6,5 to 8,49 to 'very good' and 8,5 to 10 to 'excellent'.

The graduate or diploma holder is entitled to receive at the swearing-in ceremony:

a) An original of the above title.

b) A copy of the above title.

c) A certificate of Transcript of Records.

d) A Diploma Supplement in Greek.

e) A Diploma Supplement in English.

A graduation certificate may be issued before the swearing-in ceremony. This certificate shall take the place of a copy of the diploma.

On completion of the requirements for the award of the degree or diploma, the student shall automatically cease to be a student, shall cease to be a member of the collective management bodies of the Department or the Institution and shall no longer be entitled to any student benefits.

Diplomas awarded by the Foundation (degrees, diplomas, etc.) shall be accompanied by a Diploma Supplement, which provides information on the nature, level, general context, content and status of the studies successfully completed by the person named on the original of the diploma to which the Supplement is attached.

The Diploma Supplement is an explanatory document, which is not a substitute for the official title of the diploma or the detailed course evaluation. The Annex does not make any evaluative judgments and does not contain any statements of equivalence or equivalence or proposals concerning the recognition of the qualification abroad. The aim of the Annex is to provide in a sufficient way independent evidence to improve international 'transparency' and fair academic and professional recognition of qualifications.

The Diploma Supplement is issued automatically and at no cost in Greek and English.

6.14 Digital Skills Certificate

The Department of Interior Architecture does not provide a Digital Skills Certificate

7. STAFF OF THE DEPARTMENT

7.1 The Staff of the Department

The staff of the Department of Interior Architecture is divided into Teaching and Educational Staff (D.E.P.), Special Technical Scientific Staff (E.DI.P.), Laboratory Teaching Staff (E.TE.P.) and Administrative Staff (A.S.) with corresponding responsibilities.
The Department of Interior Architecture is staffed with 3 (D.E.P.) School members, 1 (E.DI.P.) members and 1 (E.E.P.) members.
The members of the Teaching and Educational Staff belong to four academic ranks : Professors, Associate Professors, Assistant Professors and Lecturers, while their teaching work is supported by the members of Laboratory Teaching Staff and Special Technical Scientific Staff At the same time, the educational process of the Department is also supported by temporary educational staff, which consists of Scientific Associates, Laboratory Associates and Academic Scholars.

TABLE of the EDUCATIONAL STAFF

A/A	FULL NAME	TITLE	SUBJECT AREA/ SPECIALTY
1.	Dr. Despoina Zavraka	Assistant Professor	Architectural Design & Landscape Architecture
2.	Dr. Paraskevi Kertemelidou	Assistant Professor	Interior Architectural Design & Everyday Industrial Object
3.	Dr. Stylianos Kouzeleas	Assistant Professor	Digital Spatial Representations & Architectural simulations

TABLE of the Special Scientific Staff (E.E.P.), Special Teaching Laboratory Staff (E.D.I.P.)

A/A	FULL NAME	COURSE TYPE	SUBJECT AREA/ SPECIALTY
1.	Zoi Fragkou	Special Scientific Staff	Visual Artist
2.	Spyros Kokkinos	Special Teaching Laboratory Staff	Visual Artist

TABLE OF TEMPORARY STAFF

A/A	FULL NAME	TYPE OF CONTRACT	SUBJECT AREA/ SPECIALTY
1.	Glafki Gkotsi	AS	History of Art
2.	Ecaterine Drakou	AS	a) Energy design of buildings b) Lighting
3.	Nectaria Kotamanidou	AS	Visuals
4.	Theodoros Kostas	AS	Industrial Design-Furniture Design
5.	Artemis Kirkou	ND	Architectural interior design
6.	Evaggelia Marinou	AS	Architecture
7.	Konstantinos Mertzianis	AS	Visual digital design
8.	Christina Panoutsopoulou	AS	Architectural studies- Decoration
9.	Nikolaos Panteleos	AS	Manufacture of plastic (3D) model
10.	Konstantinos Papagoutis	AS	a) Design methodology, computer-aided design & basic principles of photorealism b) Architectural design of residential interiors & general compositional principles
11.	Georgios Polyravas	AS	Construction
12.	Maria Spentza	AS	Architecture-Lighting
13.	Vasiliki Tsirika	AS	Colour in the architectural space
14.	Tasos Tyrimos	AS	Scenography-Cinematography of Cinema
15.	Paschalis Charalambus	ND	Industrial Design
16.	Calliope Chourmouziadou	AS	Architectural design and technology
17.	Natalia Chrysikou	AS	Architecture

TABLE of the ADMINISTRATIVE STAFF		
A/A	**FULL NAME**	
1)	Nikolaos Koufotolis	Head of the Secretariat

Address: Department of Interior Architecture,
Terma Magnesias Str.,
IHU, Serres Campus,
ZIP Code. 62124,

Tel: 23210 49337
FAX : 23210 49337
e-mail : info@ia.ihu.gr
https://ia.ihu.gr/gramm/

7.2 Administration/Secretariat Office: Duties and working hours

The Department Secretariat is responsible for student and administrative matters.

Student services are provided on all working days, and during the hours of 11.00 am to 13.00 pm, at the offices of the Department Secretariat, located at the Administration building of the University of Serres campus.

Student issues include:

- Registration Procedures
- keeping the students' records, which include their grades, registration renewals every semester, and information about scholarships,
- granting Certificates and Degrees,
- granting certificates for legal use,
- issuing paper forms required for the students' Internship,
- creating/filling in student lists, according to their course enrolment declaration,
- registration cancellations of students who have two consecutive non-renewal of registration or three non-consecutive non-renewal of registration

Regarding first-year student registrations, transfers and registration of those passing the qualifying exams in the Department Interior Architecture of the I.H.U., the following apply:

Registration Renewals - Course Declarations are carried out through the Electronic Secretariat at the beginning of each Semester, and for a period of approximately fifteen (15) days. Each student has his/her own personal code, obtained from the Department's Secretariat, with which s/he declares courses electronically.

After the lists of successful candidates in the National Examinations are sent by the Ministry of Education and Religious Affairs, the registration deadline for new entrants is set, which is common for all higher education institutions in our the country. This deadline should not be missed, otherwise latecomers lose the right to register. Registration of new entrants takes place in September.

From November 1 to 15, relevant application forms are submitted for:

- Transfers for financial, social, health reasons, etc., as well as for the children of large families, unless otherwise specified by law.

- Enrolment of Higher Education Graduates, who succeeded in qualifying exams, held every year, at the beginning of December.

7.3 The Role of the Academic Advisor(Tutor)

The institution of the Academic Advisor (Tutor) has been implemented by the Department of Interior Architecture for a long time. Each year, by decision of the Department, a member of the Teaching and Educational Staff is designated an academic advisor for every first-year student for information and guidance in study matters. The academic advisor informs the students about his/her role and invites them to an introductory meeting. Students are required and encouraged to communicate regularly with their Academic Advisor, discuss educational issues and utilize his/her knowledge and experience throughout all the years of their studies.

7.4 Evaluation of the Educational Project

The Department of Internal Architecture has as its primary objective the quality assurance of the educational and research work and administrative services. The Internal Evaluation Team (IEG) is appointed by the Department Assembly, consists of the faculty members of the Department and is responsible for the successful conduct of the process. The members of the HQA and the members of the EQA take an active supporting role in the work of the EQA. The sources of information for conducting the Internal Evaluation of the department are :

- Departmental Secretariat's archive: statistics on students (performance, etc.) and on temporary teaching staff
- Electronic Secretariat
- Departmental study programmes
- Data of the relevant PMOs
- Evaluation of students who are invited to fill in the questionnaires for the evaluation of the teaching work and the lecturer in each course (laboratory, theoretical or practical) around the 8th or 9th week of the course.
- Internship Office: information about the students' internship.
- The Department's website.
- Proposal for the Academic Accreditation of a New Undergraduate Degree Programme of the Department on behalf of the National Authority for Higher Education.

The process of Internal Evaluation of the Department of Internal Architecture is carried out on an annual basis and aims to control processes and procedures of the Internal Quality Assurance System (IQAS). The Department may establish and organize its own Internal Quality Assurance System, which it draws up, implements, controls and reviews and includes processes and procedures corresponding to all academic activities and functions.

The Internal Assessment processes include the following:

- A decision on the scope and date of the internal evaluation by the PMO.
- Relevant notification of the parties involved by the PMO.
- Allocation of the scope of the evaluation to the members of the PMOE.
- Compilation of an evaluation plan and questionnaire for each evaluation item, based on the template, in which the evaluation findings are recorded
- Conducting the evaluation (when conducting the evaluation, the findings must be documented and the planning must be adhered to).
- A meeting of the PMO to assess the findings and document non-conformities or observations (after the end of the evaluation).
- Drafting of an internal evaluation report by the PMO, including the nonconformities recorded and any recommendations for improvement.
- Communication by the PMO with the stakeholders (academic and service units), with whose cooperation appropriate corrective or preventive actions are immediately planned.
- Inspection by the PMO of the respective activities within the established timetable and assessment of the adequacy or effectiveness of the corrective actions implemented

8. FACILITIES

The Department of Interior Architecture has infrastructure within the buildings of the University of Serres campus for the conduct of courses and any kind of educational and administrative process. It relies on the Administration of the Institution to allocate sufficient resources, on a planned and long-term basis, in order to support learning and academic activity in general, in order to offer students the best possible level of study. In particular, it has laboratory space, classrooms, lecture halls, an auditorium and faculty offices in Buildings C' Light Laboratories SGO (School of Management and Economics) and D' Light Laboratories STEF (School of Technological Applications) as well as a secretarial service, a conference room and a chairman's office in Building K' of the Administration facilities.

8.1 Laboratory Spaces and Equipment

Specifically, the Department of Interior Architecture has a number of laboratory spaces, special rooms with special equipment for the synthetic courses of the Department and the corresponding equipment listed in the table below.

Domain name **STEF Y1**		**General description of the space** **Painting Laboratory**	
	No.	Description	Remarks
1.	29	Grey tables 1,20m (reading room)	
2.	6	Long benches (conversion)	
3.	2	High staircase	
4.	1	BenQ projector with stand & ceiling installation	
5.	1	Projection screen	
6.	36	Staircases on wheels, bordeaux	
7.	2	Metal ramps Wooden seat free design	
8.	1	Lighting projector	
9.	3	Free-standing projection	
10.	3	3 metal tripod easel	
11.	1	Whiteboard	
12.	2	Air heater	
13.	2	Styrofoam cutting machine	
14.	1	Grinding wheel sander	
15.		Miscellaneous small tools	
16.		Miscellaneous Free Design Objects	
17.		Miscellaneous Free Design and Plastic Tools Inside the Closets Designation of space	Inside the wardrobes
Domain name **STEF Y2**		**General description of the space**	

	No.	Description	Remarks
1.	21	Grey tables 1,20m (reading room)	
2.	2	Long benches (conversion)	
3.	1	Grey desk 1,40m with a metope	
4.	2	High staircase	
5.	1	Wooden file rack	
6.	1	BenQ projector with stand & ceiling installation	
7.	1	Projection screen	
8.	1	Metal stamp. Wooden free drawing desk	
9.	27	stools on wheels bordeaux	
10.	1	Lighting projector	
11.	3	Metal tripod easel	
12.	4	Wooden mannequins free design	
13.	1	Free design bust	
14.		Miscellaneous objects of free design	
Domain name **STEF Y3**		**General description of the space** **Computer-aided design laboratory**	
	No.	Description	Remarks
1.	12	Wooden offices	
2.	29	Chair seat red fabric	
3.	23	Computer coreduo and monitor	
4.	1	Image scanner scanner A3 microtec	
5.	1	Samsung laser printer	
6.	1	Library Hermarium high ½ glass	
7.	1	BenQ projector with stand & ceiling installation	
8.	1	Projection screen	
9.	1	Hup for network (wall mounted)	
10.	4	Seat frame metal frame thin plastic seat blue	
Domain name **STEF Y4**		**General description of the space** **Design Workshop**	
	No.	Description	Remarks
1.	26	Drawing board with parallelogram	
2.	1	Grey desk 1,40m metope	
3.	36	Drawing board seat on wheels	
4.	1	High heirloom	
5.	1	BenQ projector with stand & ceiling installation	
6.	1	Projection screen	

Domain name STEF Y5		General description of the space Drawing laboratory	
	No.	Description	Remarks
1.	18	Drawing board with parallelogram	
2.	1	Grey desk 1,40m metope	
3.	31	Drawing room seat on wheels	
4.	1	Hearth high	
5.	1	BenQ projector with stand & ceiling installation	
6.	1	Projection screen	
Domain name **STEF** **Y6**		**General description of the space** **Design Workshop with PC**	
	No.	Description	Remarks
1.	15	Wooden offices	
2.	26	Chair seat red fabric	
3.	24	Computer coreduo and screen	
4.	5	PCs	
5.	1	Plotter colour	
6.	1	Image scanner scanner A3 microtec	
7.	1	Samsung laser printer	
8.	1	BenQ projector with stand & ceiling installation	
9.	1	Projection screen	
10.	1	High ½ glass Hermarium library	
11.	1	UPS Nova AVR 625 ETN voltage stabilizer	
12.	1	Hup for network (on the wall)	
13.		Consumables for plotter and printer	
Domain name **STEF** **Y7**		**General description of the space** **Modeling Laboratory**	
	No.	Description	Remarks
1.	21	Tables grey 1,20m (reading room)	
2.	1	Desk grey 1,40m metope	
3.	25	Seat plastic seat dark green	
4.	1	Library bookcase High ½ glass	
5.	1	3D scanner	

6.	2	Tables for seagulls	
7.	2	Glass chart rotary	
8.	2	Clay moulding machine	
9.	1	Saw blade	
10.	5	Postal meter	
11.	5	Hand sieve	
12.	1	Table top oven	
13.	1	Pulse sander	
14.	1	Percussion drill	
15.	1	Film solvent	
16.	1	Circular saw	
17.	1	Air nailer	
Domain name **STEF Y8**		**General description of the space** **Modeling Laboratory**	
	No.	Description	Remarks
1.	1	3D printer	
2.	1	PC i7	
3.	1	Coreduo PC and monitor	
4.	1	UPS Nova AVR 625 ETN voltage stabilizer	
5.	1	UPS Accupower voltage stabiliser	
6.		Dexion shelves	
7.		3D printer consumables	
Domain name **STEF Y9**		**General description of the space** **Workshop of Industrial Design**	
	No.	Description	Remarks
1.	13	Grey tables 1,60m (reading room)	
2.	2	Grey tables 1,20m (reading room)	
3.	1	Grey desk 1,40m with a metope	
4.	25	Seat plastic seat red	
5.	1	Library Library Hermarium high ½ glass Same as Y7	Same as Y7
Domain name **SDO 210**		**General description of the space** **Design Workshop with PC**	

	No.	Description	Remarks
1.	12	Wooden desk for PCs	
2.	20	PC coreduo and monitor	
3.	2	Coreduo PCs and screen	
4.	1	HP 2055 laser printer	
5.	1	A4 scanner scanner HP 4010	
6.	22	Metal stamps Wooden free drawing seat	
7.	20	Seat seat red fabric	
8.	7	Seat seat fabric bordeaux	
9.	1	BenQ projector with stand & ceiling installation	
10.	1	Projection screen	
11.	1	High bookcase Hermarium	
Domain name **STEF PDE behind**		**General description of the space** **Ceramics Laboratory** **Small hall**	
	No.	Description	Remarks
1.	8	Wooden office of the Information Technology Department	Computer Science Department
2.	4	Seat plastic seat red	
3.	1	Furnace furnace "well"	
4.	1	Furnace oven front door	
5.	1	Pottery kneader	
6.	1	Pottery platform	
7.	2	Library Hermarium high ½ glass	
8.		Pottery wheels & tools inside cabinets	
9.		Ceramics & Plastics consumables	
Domain name **STEF PDE behind**		**General description of the space** **Ceramics Laboratory** **Large hall**	
	No.	Description	Remarks
1.	20	Wooden office of the Information Technology Department	Computer Science Department
2.	1	Grey metallic desk Computer Science Department	Computer Science Department
3.	4	Seat seat plastic red Same as small chair.	Same as small hall

4.	2	Chair seat fabric crimson IT department	Computer Science Department
5.	11	Pottery wheels	
6.		Wooden shelves in the corridor of the classrooms	

8.2 Teaching Classrooms

Specifically, the Department of Interior Architecture has a number of classrooms for the study of interior architecture and the conduct of theoretical courses. These classrooms and equipment are listed in the table below.

Domain name **STEF 303**	**General description of the space** **Teaching auditorium 3rd floor**	
No.	Description	Remarks
1.	Desks	
2. 1	Low cabinet	
3. 1	Projector EIKI	
4. 1	Overhead projector	
5. 1	Overhead projector Paxilux	
6. 1	Projection screen	
7. 1	Metal desk	
8. 3	Seats	
Domain name **STEF 210**	**General description of the space** **Teaching room with specific configuration**	
No.	Description	Remarks
1. 13	Wooden tables	
2. 23	Metal stool. Wooden design desk	
3. 34	Trolley design seat	
4. 1	High cabinet - library	
5. 1	BenQ projector with stand & ceiling installation	
6. 1	Projection screen	
Domain name **STEF 201**	**General description of the space** **Teaching room**	
No.	Description	Remarks
1.	Desks	Computer Science Department
2. 1	Teacher's desk	Computer Science Department

3.	2	Seats	Computer Science Department
4.	1	EIKI projector with stand & ceiling installation	
5.	1	Low cabinet	
6.	1	Projection screen	
Domain name **SDO 110**		**General description of the space** **Computer-aided design laboratory**	
	No.	Description	Remarks
1.		Desks	Computer Science Department
2.	1	Teacher's desk	Computer Science Department
3.	2	Seats	Computer Science Department
4.	1	BenQ projector with stand & ceiling installation	
5.	1	Low cabinet	
6.	1	Projection screen	

8.3 E-Learning

The IHU and the University of Serres campus offer students and faculty the asynchronous e-learning platform (moodle). The e-learning platform is an integrated e-learning Management System and is designed to enhance conventional face-to-face teaching by utilizing information technology. The asynchronous learning service works as a support to the educational process and offers more flexibility and the possibility of participation and information. It also enables the teaching staff to enrich the primary material with additional bibliography and references, taped and other supporting material and creates a systematic formal and continuous channel of communication between the student and the teacher.

Students can log in to the service with the passwords provided by the Department's secretariat and used for all e-services and register for the corresponding courses on the e-learning platform through the link http://elearning.teicm.gr. Access and use of the service is easy and simple without the need for specialised IT knowledge.

8.4 Institutional Research Laboratories

The Department of Interior Architecture does not yet have institutionalized Research Laboratories.

9. THE UNDERGRADUATE STUDY PROGRAM

The Undergraduate Studies Programme of the Department of Interior Architecture "summary tables with duration, courses, classification of courses (compulsory, core, general background, elective, special infrastructure, speciality), hours of theory, practical exercises, laboratories, credit units, ECTS"

9.1 Table I. An Overview of the Undergraduate Study Program

Semester							
1st	2nd	3rd	4th	5th	6th	7th	8th
History of Art and Architecture I	History of Art and Architecture II	History of Art and Architecture III	History of Art and Architecture IV	Interior Architecture V	Interior Architecture VI	Interior Architecture VII	Final Thesis
Structural Art I	History and Theory of Design I	History and Theory of Design II	Interior Architecture IV	Structural Art IV	Light and Space I	Landscaping	Interior Architecture VIII
Basic Principles of Visual Communication	Design Methodology with Digital Media	Structural Art III	Furniture Design I	Visual Art in Urban Space	Multimedia - Architectural Project Presentations	Visual Composition IV	Spatial Narratives
Plastic Art I	Visual Arts II	Interior Architecture III	Industrial Design I	Architectural Conception with Computers II	Sociology of Space	Legislation, Project Design, Project Management and Costing	Philosophy – Aesthetics - Psychology
Design Methodology I	Interior Architecture II Habitation	Color Implementation in 3D Space	3D Depiction of an Architectural Project Plastic Model	Visual Composition using Computer I	Interdisciplinary Approaches of Architectural Space	Sustainable Design	
Interior Architecture I	Structural Art II	3D Digital Architectural Modeling	Architectural Conception with Computers I	Visual Composition II	Visual Composition III Product Promotion	Lecture, Research Topic	
Visual Arts I	Plastic Art II	Visual Composition I	Compulsory Elective	Compulsory Elective	Compulsory Elective	Compulsory Elective	

Compulsory Courses	*Compulsory Elective Courses*	**Total Courses**
48	4	52

General Infrastructure Courses
Special Infrastructure Courses
Specialty Courses

9.2 Table II. Elective Courses

semester	Sector 1	Sector 2	Sector 3	Sector 4	Modes of Choice
4			**Textile (fabric)**		**1 of 4**
				Smart Design Systems	
			Ceramic Art		
			Special Visual Art Themes		
5		**Furniture Design II**			**1 of 4**
		Industrial Design II			
				Digital Design with Programming	
			Visual Arts III		
6	**Scenography I**				**1 of 5**
		Industrial Design III			
				3D Modelling and Digital Representation using Reverse Engineering	
			Visual Composition using Computer II		
	Indoor Acoustics				
7	**Scenography II**				**1 of 5**
		Furniture Design III			
				Innovative Interactive Digital Applications	
	Light and Space II				
	3D design - Reproduction with Rapid Prototyping Methods				

9.3 Undergraduate Study Program per Semester

1st Semester

1st SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA101	**History of Art and Architecture I**	4		6	150	GIC
2	EA102	**Structural Art I**	2		3	75	SIC
3	EA103	**Basic Principles of Visual Communication**		4	4	100	GIC
4	EA104	**Plastic Art I**		3	3	75	GIC
5	EA105	**Design Methodology**		4	4	100	GIC
6	EA106	**Interior Architecture I**		6	6	150	SIC
7	EA107	**Visual Arts I**		4	4	100	GIC
		TOTAL	27		30	750	

NOTES

GIC: General Infrastructure Courses
SIC: Special Infrastructure Courses
SC: Specialty Courses

2nd Semester

2nd SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA201	**History of Art and Architecture II**	4		6	150	GIC
2	EA202	**History and Theory of Design I**	2		3	75	GIC
3	EA203	**Design Methodology with Digital Media**		3	3	75	GIC
4	EA204	**Visual Arts II**		4	4	100	GIC
5	EA205	**Interior Architecture II Habitation**		6	8	200	SIC
6	EA206	**Structural Art II**		3	3	75	SIC
7	EA207	**Plastic Art II**		3	3	75	GIC
		TOTAL	25		30	750	

3rd Semester

3d SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA301	**History of Art and Architecture III - Modernism**	4		6	150	GIC
2	EA302	**History and Theory of Design II**	2		3	75	GIC
3	EA303	**Structural Art III**		3	3	75	SC
4	EA304	**Interior Architecture III**		6	8	200	SC
5	EA305	**Color Implementation in 3D Space**		3	3	75	SIC
6	EA306	**3D Digital Architectural Modeling**		4	4	100	SIC
7	EA307	**Visual Composition I**		3	3	75	SIC
		TOTAL	25		30	750	

4th Semester

4th SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA401	**History of Art and Architecture IV**	4		6	150	GIC
2	EA402	**Interior Architecture IV – Educational Environments**		6	8	200	SC
3	EA403	**Furniture Design I**		3	3	75	SC
4	EA404	**Industrial Design I**		3	3	75	SC
5	EA405	**3D Depiction of an Architectural Project Plastic Model**		4	4	100	SIC
6	EA406	**Architectural Conception with ComputersI**		3	3	75	SIC
7		ELECTIVE SUBJECT A (1 subject compulsory elective)		3	3	75	SIC
	EA411	**Textile (fabric)**					
	EA412	**Ceramic Art**					
	EA413	**Special Visual Art Themes**					
	EA414	**Smart Design Systems**					
		TOTAL	26		30	750	

5th Semester

5th SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA501	**Interior Architecture V**		6	8	200	SC
2	EA502	**Structural Art IV**		4	4	100	SC
3	EA503	**Visual Art in Urban Space**		4	4	100	SC
4	EA504	**Architectural Conception with Computers II**		4	4	100	SC
5	EA505	**Visual Composition using Computer I**		4	4	100	SCY
6	EA506	**Visual Composition II**		3	3	75	SCY
7		ELECTIVE SUBJECT B (1 subject compulsory elective)		3	3	75	SC
	EA511	**Furniture Design II**					
	EA512	**Industrial Design II**					
	EA513	**Digital Design with Programming**					
	EA514	**Visual Arts III**					
		TOTAL	24		30	750	

6th Semester

6th SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA601	**Interior Architecture VI**		6	8	200	SC
2	EA602	**Light and Space I**		4	4	100	SC
3	EA603	**Multimedia - Architectural Project Presentations**		4	4	100	SCY
4	EA604	**Sociology of Space**	2		3	75	GIC
5	EA605	**Interdisciplinary Approaches of Architectural Space**		4	4	100	SC
6	EA606	**Visual Composition III Product Promotion**		4	4	100	SCY
7		ELECTIVE SUBJECT C (1 subject compulsory elective)		3	3	75	SC
	EA611	**Industrial Design III**					
	EA612	**Scenography I**					
	EA613	**3D Modelling and Digital Representation using Reverse Engineering**					
	EA614	**Visual Composition using Computer II**					
	EA615	**Indoor Acoustics**					
		TOTAL	27		30	750	

7th Semester

7th SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA701	**Interior Architecture VII**		6	8	200	SC
2	EA702	**Landscaping**		4	4	100	SCY
3	EA703	**Visual Composition IV**		6	6	150	SC
4	EA704	**Legislation, Project Design, Project Management and Costing**		2	2	50	GIC
5	EA705	**Sustainable Design**		3	3	75	SC
6	EA706	**Lecture, Research Topic**	2		4	100	SC

7		ELECTIVE SUBJECT D (1 subject compulsory elective)		3	3	75	SC
	EA711	**Scenography II**					
	EA712	**Furniture Design III**					
	EA713	**Innovative Interactive Digital Applications**					
	EA714	**Light and Space II**					
	EA715	**3D design - Reproduction with Rapid Prototyping Methods**					
		TOTAL	25		30	750	

8th Semester

8th SEMESTER							
	CODE	SUBJECT	Hours per Week		ECTS	Workload per semester	COURSE TYPE
			Th.	Comp.			
1	EA801	**Final Thesis**			16	400	SC
2	EA802	**Interior Architecture VIII**		6	8	200	SC
3	EA803	**Spatial Narratives**		3	3	75	SC
4	EA804	**Philosophy – Aesthetics - Psychology**	2		3	75	SC
		TOTAL	11		30	750	

10. POSTGRADUATE STUDY PROGRAMS IN THE DEPARTMENT

There are currently no postgraduate programmes in the Department of Interior Architecture of the School of Design Sciences of the IHU.

Graduates of the Department can enroll in postgraduate programmes of other Faculties, both in the IHU and in other Greek and foreign Universities.

11. DOCTORAL STUDIES in the DEPARTMENT

The Department of Interior Architecture of the School of Design Sciences of the IHU does not currently have any postgraduate programmes.

Graduates of the Department of Interior Architecture, if they hold a postgraduate degree, can enroll in doctoral programmes of other Schools both at the IHU and at other Greek and foreign universities

12. SERVICES and STUDENT WELFARE OFFICE

12.1 European Programs Office (Erasmus)

The Erasmus+ programme is a European Union programme which gives the opportunity to higher education students to conduct part of their studies in a European institution or their internship, with full academic recognition and duration of 3-12 months. The aim of the programme is to enhance skills and employability as well as to modernise education, training and youth systems in all areas of Lifelong Learning.

The new Erasmus+ Programme 2021-2027 is a continuation of the previous programmes, offering support and funding for mobility and transnational cooperation projects in the fields of education, training, youth, and sport. At the same time, it updates its priorities, emphasising diversity and difference, promoting, and encouraging participation for all and offering equal opportunities to more and more people.

Within the framework of the Erasmus+ 2021-2027 actions, the Department of Interior Architecture offers its students the opportunity to move to the University of Nicosia, Cyprus.

12.2 Library

Students and staff of the Department of Interior Architecture have the possibility to use the Library of the University of Serres campus. The library first opened in 1985 as a lending library in the city center. Since July 2000, it has been housed in a newly built three-storey building within the University of Serres Campus and offers its services to the members of the Teaching, Research and Administrative Staff of the IHU and the University of Serres Campus, to students enrolled in a Department of the Institution and the University of Serres Campus, to students from abroad from exchange programmes (e.g. (e.g. ERASMUS) and to persons, who are permanent residents of the prefecture of Serres, who need to use the collections and services of the Library.

The purpose of the library is to support and promote the teaching, educational and research processes, which are developed within the framework of the curricula of the Departments of the University of Serres.

The library has Greek and foreign language books covering the subject areas and cognitive subjects of the Departments located on the University of Serres Campus, as well as printed material of general interest (literature, psychology, philosophy, religion, etc.), with parallel guidance and information on the identification and use of educational material. It also offers access to all kinds of information, to titles of electronic or printed material, to CD-ROMs, audiovisual material, to abstracts and the full text of articles in scientific electronic journals and books, as well as to bibliographic databases and network services. At the same time, it gives members of the academic community the possibility of online access to electronic resources using a secure remote connection to the data network of the Serres campus through a Virtual Private Network (VPN). Finally, the main objective of the library is to strengthen and promote the social role of the Foundation and to contribute to the intellectual and cultural upgrading of the city of Serres. Students can be informed about issues concerning the operation and organization of the library by calling +30 23210 49269 and visiting the website lib@teicm.gr

12.3 Student Restaurant

The IHU provides its students with the opportunity to eat in a fully equipped restaurant on the campus of the University of Serres. The students are fed by using the meal card provided by the Department of Studies, Internships, Careers and Student Affairs. All students whose family income does not exceed 45.000 Euros per year students are entitled to free meals (Government Gazette 1965, Vol. B/18-6-2012). For more information on the documents and the application for free meals, please contact the office of the Student Club on the ground floor of the Library Building of the University of Serres campus, at +30 2321049147 and at the website of the University of Serres https://cm.ihu.gr/index.php?cat_id=35.

12.4 Student Dormitory

Students have the option of accommodation in houses or apartments of their own choice. The State grants an annual student housing allowance of 1,000 euros, subject to the conditions set out in Law 3220/2004 in force. Relevant information about the documents and the application for the food allowance can be obtained from the office of the Student Club on the ground floor, in the Library Building of the University of Serres Campus and on the respective website of the Institution. Students can be informed about housing issues at the telephone number +30 2321049147 and at the website https://cm.ihu.gr/index.php?cat_id=125

12.5 Student Health Care Service

Students are entitled to full insurance coverage provided that they are not insured with another institution. In this case, a declaration of withdrawal from their family insurance fund is required.

Uninsured undergraduate and postgraduate students are entitled to full medical and hospital care in the National Health System (NHS) according to the circular of the Ministry of Education No. 171598/Z1/12.12.2017, with the relevant costs covered by the Health Service Providing Organisation (HPSO).

Students now apply to the Public Health Structures with their AMKA.

Legislation: N.4368/2016, N.4452/2017, KYA 25132/2016.

Students can be informed about health care issues on the website https://cm.ihu.gr/index.php?cat_id=125

12.6 The University Gym

The students of the University of Serres Campus have the opportunity to take part in sports activities in the Gym within the Institution, which is equipped with modern physical education equipment. In particular, the gym has a weight room, a gym for gymnastics, ping-pong tables and a sauna.

Students can also take part in the traditional or modern dance courses, as well as basketball, football, volleyball, table tennis, table tennis, shooting, aerobics, and self-defence.

Students may use the Indoor Gymnasium facilities daily Monday through Friday from 11 a.m. to 9 p.m.

Information on the organisation and operation of the Gym is available at telephone +30 23210 49162 and on the Foundation's website gym.teicm.gr.

12.7 Sports and Cultural Activities

Upon enrolment in the Admissions Department, students become members of the Student Association and can participate in events and visits of an educational and recreational nature. Within the premises of the University of Serres Campus, in the auditoriums of the Departments and in the Amphitheatre of the Multipurpose Building of the University Campus, workshops, lectures and events of informative or educational content and student activities with social or cultural content are often organized. Also, webinars, seminars and events, exhibitions and other cultural and social actions are often organized, about which students can be informed through the official website of the IHU and the University Campus of Serres https://cm.ihu.gr/index.php?cat_id=68

12.8 Network Operations Center (NOC)– Electronic Services

At the node of the University of Serres campus there is the Network Operation and Management Centre (N&M Centre) which is responsible for the smooth operation, maintenance and development of the equipment, interfaces and services of the Data Network of the institution.

The Network Operations and Management Centre is responsible for the interconnection of the Departments of the University of Serres Campus with the Internet and Greek and international networks through the Data Network and offers all members of the university community the possibility of access to network services. The main objective is the continuous modernization and upgrading in network and technology issues which enhances research, education and the smooth operation of the institution while using new technologies.

Information and technical support is available at +30 23210 49331 and +30 23210 49144 and on the Foundation's website http://noc.cm.ihu.gr/

The University of Serres offers the following electronic services to students and the academic community:

- Electronic mail.
- Electronic mail
- Electronic Secretariat
- Catalogue Service
- E-Learning E-Learning platform
- E-learning infrastructure
- On-line Fault Reporting
- Eudoxos - E. Electronic Text Management Service
- Free Microsoft Software Provision Service
- Okeanos Cloud Service
- Electronic Academic Identity Service
- Central Support System for Internship ATLAS
- Microsoft Office 365 through the DILOS 365 service

Specific information and updates on the online services are provided at the relevant link of the Foundation https://cm.ihu.gr/index.php?cat_id=39

13. INTERNATIONAL DIMENSION and PARTNERSHIPS

The research activity of the faculty of the Department of Interior Architecture (https://ia.ihu.gr/publ/) is highlighted by publications and participations in exhibitions, international conferences and research projects. The gradual staffing of the teaching staff of the Department intensifies its extroversion, in the context of creating beneficial collaborations with educational and cultural centers abroad and at home. This contributes to the promotion and recognition of the Department in the Greek and international academic community. At the same time, students and faculty members gain experiences that contribute to the promotion of the educational process, both in the Departmental and in the wider University context.

14. REFERENCE to the DEPARTMENT and UNIVERSITY REGULATIONS

The University life in the Department of Internal Architecture, in the direction of its healthy and smooth operation, is governed by a series of regulations and guidelines:

- **Rules and Regulations of Studies**
- **Internship Guide**
- **Internal Regulations of the DI.PA.E. Foundation**
- **Internal Regulations of the Library**
- **IHU Code of Ethics and Research Ethics**
- **Regulations of the Academic Advisor of II.PA.E.**
- **Regulation of Student Dormitories**

15. APPENDIX: DETAILED COURSES OUTLINE

In what follows, the courses are described in detail per Semester and Direction of Studies.

Either briefly each course on one page, or according to the SC standard of the NTAEE.

"The course outlines are listed in accordance with the SC standard of the HNCEE. For reasons of space, at least the course description, purpose, learning outcomes and content may be presented.'

15.1 1st Semester Courses

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA101**	SEMESTER	**1**
SUBJECT TITLE		**History of Art and Architecture I**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Excercises, Design Project – Portfolio of work.	4	6	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea101/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Acquaintance with forms of art and architecture from prehistoric times to the Middle Ages and recognition of the differences in artistic expression and creation between eras and cultures. Knowledge of the various historical factors that contribute to the production of art. At the end of the semester students will be able to:

- observe artworks and comment on their style
- identify and describe types and orders of architectural constructions
- compare works of painting or sculpture and notice their similarities and differences
- present the key elements of art and architecture of each period
- associate works with political, social and religious conditions

b. Skills

- Aesthetic cultivation through contact with important works of art
- Presentation and analysis of the components of artworks or decorative motifs
- Promotion of free and creative thinking
- Independent work in an interdisciplinary environment
- Research, analysis and classification of bibliography and historical sources

3. Subject Context

Introduction to the History of art. The art of prehistoric man and of the Paleolithic and Neolithic eras. Art of Eastern civilizations (Mesopotamia & Egypt). The art of the Bronze Age in Greece (Minoan, Cycladic and Mycenaean). Art in the geometric, archaic & classical era. Hellenistic art. The art of the Etruscans. The Roman era. Byzantine art. The art of Islam. Medieval art in Central Europe. The Romanesque and Gothic architecture of the Middle Ages History of architecture and interior decoration from prehistoric times to the Middle Ages.

4. Teaching and learning methods – Evaluation and Assessment	
- Theory and Design Workshops - Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercices - Interim Reviews - Project Final Pin Up - Portfolio Hand In.	Lectures Essays and exercises

Use of Information and Communication Technologies	PowerPoint presentations Use of internet resources	
Teaching organization	Activity	Teaching organization
	Lectures	120
	Theory Essay	30
	Design Workshop and Excersices	
	Main Design Project	
	Research and Analysis of Bibliography	
	Total	150
Student assessment		

5. Recommended/ Bibliography

- H. & A. Jamson, Ιστορία της Τέχνης – Η δυτική Παράδοση, Εκδόσεις Ίων, Αθήνα 2011
- Δ. Πλάντζου, Ελληνική Τέχνη και Αρχαιολογία, Εκδόσεις Καπόν, Αθήνα 2016,
- R. Krautheimer, Παλαιοχριστιανική και Βυζαντινή Αρχιτεκτονική, Μορφωτικό Ίδρυμα Εθνικής Τραπέζης, Αθήνα 1991
- Χ. Τσούντα, Ιστορία της Προϊστορικής και Αρχαίας Ελληνικής Τέχνης, Αθήνα 1964.
- Γ. Κοκκόρου, Η Τέχνη της Αρχαίας Ελλάδας. Εκδ. Καρδαμίτσα, Αθήνα 1990.
- Ιστορία του Ελληνικού Έθνους, Εκδ. Αθηνών, τομ. Α΄, Β΄ και Γ΄.
- Ορλάνδος Αν, Τα υλικά δομής των Αρχαίων Ελλήνων, Αθήνα 1958, τομ. Α΄.
- Ορλάνδος Α. - Τ. ΤρΑΣλός, Λεξικό Αρχαίων Αρχιτεκτονικών όρων, Αθήνα 1986.
- Β. Καλαντζή. Κυκλάδες, Κυκλαδικός Πολιτισμός, Εκδ. Πεχλιβανίδη, Αθήνα.
- Κ. Δεληγιάννη, Πολυγρ., ΣηΣΣιώσεις Κλασσικής και Ελληνιστικής Τέχνης, ΤΕΙ Αθηνών.
- Robertson M., A History of Greek Art, Cambridge 1975.
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- Χ. Μπούρας, Ιστορία Αρχιτεκτονικής, Αθήνα
- D. Piper, Dictionary of arts & artists, Collins, London 1998
- j. Fleming, H. Honour, N Pevsner, Dictionary of Architecture, Penguin, London 2004
- Boardman J., Η Ελλάδα και ο Ελληνικός Κόσμος, Εκδ. Νεφέλη Αθήαν1996
- Gombrich E. H., Το Χρονικό της Τέχνης, Εκδοση Μ.Ι.Ε.Τ. Αθήνα 1998

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA102**	SEMESTER	**1**
SUBJECT TITLE		**Structural Art I**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	2	3

TYPE OF SUBJECT	Compulsory
PREREQUIRED COURSES	No
TEACHING AND EXAMS LANGUAGE	Greek
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes
Course website (URL)	https://ia.ihu.gr/ea102/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

An introductory course which allows students to study the materials such as the natural stone, cement products, clay products, wood, metals, glass, fabric, plastic materials, linked to basic concepts of physical and mechanical behavior.
There are three more distinct groups of materials, which while not used in the main body of the structures, however are applied either as a substrate, or as a binder, or as a coating to protect their surface, or even to address specific problems. These groups that are considered particularly important for the accuracy or failure of constructions are the binders - such as mortars, coatings, adhesives, insulation materials - soundproofing, thermal and sealing materials, and varnishes and paints. Special reference is made to materials that are friendly to humans and the environment, with the development of parameters and methods of their evaluation with bioclimatic design criteria.

b. Skills

- Research, analysis and synthesis of structural art materials
- Application of construction techniques for the construction of buildings
- Ability to adapt to new building techniques
- Ability to make a decision due to excellent knowledge of the properties of building materials
- Ability to combine options
- Knowledge and application of bioclimatic architecture with respect to the natural environment

3. Subject Context

The course is developed with a series of lectures by the teacher of the course using visual material, where the topics presented with the active participation of students are analyzed and discussed. The lectures present the properties and technical characteristics of natural stone, the exterior of the buildings and their construction details, the frame of the buildings, the structural specifications, construction elements and basic elements such as the construction of roofs, floors, ceilings, openings, frames. , glass and other building elements.
Also presented are all related to the masonry, materials and structural elements of the water supply, sewerage and electrical installations of buildings. The types of coatings and the materials of which they are composed are analyzed, special reference is made to the color proposals of the exterior and interior of the buildings.

4. Teaching and learning methods – Evaluation and Assessment

- Theory of construction art - examples of structural art/ Site visits to building sites - Group evaluation / Analysis of building construction issues - Group assessment on questions asked to students - Student mid-term assessments in	After the professor's lesson, students are given exercises in the classroom which are evaluated. Then questions related to the exercises are solved. The answers to the exercises are improved and the properties of the building materials (positive and negative) and the application techniques are better understood. Students in this way of teaching gain excellent knowledge about the subject of structural art that in the future will help them in submitting realistic proposals of interior architecture.

construction topics discussed and analyzed in the course		
Use of Information and Communication Technologies	Weblinks, e-learning uploading of notes, communication via email, zoom meetings, etc.	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay (Research and Analysis of Bibliography)	10
	Exercises in construction of buildings and building materials	15
	Main Design Project	25
	Total	75
Student assessment	Written Theory Examinations / Theory Essay Multiple choice questions and / or development of specific issues Exercises for building materials and details of building art	

5. Recommended/ Bibliography

- Aldinger, E., Bauman, G., Ignatowitz, E., Kluge, M., Lammin, G., Steinmuller, A., & Weinstock, H.,μτφ. Βούλγαρη, Δ., (1998), Τεχνολογία Υλικών Κατασκευών, Αθήνα, Ευρωπαϊκές Τεχνολογικές Εκδόσεις.
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- Βουλγαρίδης, Η., Β., (2007). Ευρωπαϊκά και Τροπικά Ξύλα SC Εμπορική Σημασία, Δομή, Ιδιότητες και Χρήσεις, Διδακτικό βοήθημα, Σχολή Δασολογίας και Φυσικού Περιβάλλοντος, Θεσσαλονίκη, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.
- Γεωργιάδου, Ζ, (2017), Δομικά και διακοσμητικά Υλικά, Αθήνα, Πανεπιστημιακές Εκδόσεις ΝηSCρτής.
- Λεγάκης Α. (1997), Τεχνολογία Δομικών Υλικών
- Μαλινδρέτος, Μ., (2005), Η Τεχνολογική Διάσταση του Σχεδιασμού, Θεσσαλονίκη, University Studio Press.
- Παπανικολάου, Γ., & Μουζάκης, Δ., (2007), Σύνθετα υλικά, Αθήνα, Κλειδάριθμος.
- Τριανταφύλλου, Αθ., (2017), Δομικά Υλικά, Αθήνα, Γκότσης Συναφή επιστημονικά περιοδικά
- Κτίριο, Θεσσαλονίκη, Εκδόσεις κτίριο.
- Δομές, Αθήνα, Πρόδρομος Παπαδόπουλος.
- Neufert, Architects Data, John Wiley and Sons Ltd, Fifth Edition, 2019
- Georgiadou, Building and Decorative materials, Ianos, 2005
- Architecture, Form, Space and Order, Francis D.K. Ching, 1996
- Mitchell's, Structure and Fabric, J S Foster, Part 1, 7th Edition, Routledge, 2007
- Mitchell's, Structure and Fabric, J S Foster, Part 2, 7th Edition, Routledge, 2007
- Polyravas, Architectural design, Electronic Design (B.I.M.), Concrete molds, Building impressions, Serres, 2019
- Polyravas & Polyravas, Building and seismic design of homes and businesses, Serres, 2021

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA103**	SEMESTER	**1**
SUBJECT TITLE		**Basic principles of Visual Communication**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	4	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea103/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

An introduction to the basic elements, principles, and techniques of processing a visual organization/composition as an integral part of the content of design. Emphasis is placed on the integration of students into the design process through interesting visual themes.
Teaching visual language that aims to broaden the understanding and use of broader visual expression.
Analysis of the basis elements of the visual alphabet, understanding of abstract language and visual communication.
Development of abstract composition, familiarity with concepts such as form, rhythm, tonal scale light-shadow gradations, and the qualities and harmonies of the color spectrum.
At the end of the semester students will be able to:

- have a familiarity with the visual alphabet, the basic principles of visual design and its basic laws, in order to implement a complete investigation of the primary elements of artistic expression
- develop their ingenuity and imagination in dealing with artistic issues
- design and compose visual and decorative themes more easily

b. Skills

The course is organized in two axes, theory, and application. These axes work in unison, with the theory evolving gradually and supporting the implementation part throughout the course. The theory includes lectures by the course instructors. Upon successful completion of the course students will:

- Be able to study, methodically, synthetically and creatively
- Be able to follow an analytical and synthetic process with the support of the formation of their ideas (concept)
- Have developed their personal creativity

3. Subject Context

Analysis of the basic elements of the visual alphabet, understanding of abstract language and of visual communication. Development of the abstract composition. Analysis of his artistic currents of Twentieth century. The Bauhaus and influential artists (Klee, Kandinsky, etc.).
Basic design principles (point, line, surface, composition, balance, rhythm).
Color physics, color impressions. Shade, value, saturation. Basic & Relationship complementary colors, color contrasts. Warm & cool colors, light & dark, and mixing colors.
Subjective color and expression of emotions through color composition. Material study of various surfaces and study of material production with various materials.

4. Teaching and learning methods – Evaluation and Assessment

- Theory and Design Workshops
- Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises

<table>
<tr><td>- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In.</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, Use of the internet to select renaissance paintings for specific exercises etc.)</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td></td></tr>
<tr><td>Design Workshop and Excersices</td><td>50</td></tr>
<tr><td>Main Design Project</td><td>30</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td></td></tr>
<tr><td>Total</td><td>100</td></tr>
<tr><td>Student assessment</td><td colspan="2">Design Workshop and Excersices</td></tr>
</table>

5. Recommended/ Bibliography

- Introduction to the visual language, Kozakou - Tsiara Olga
- MODERN ART (1770-1970) & ART AT THE BENCH OF THE 21ST CENTURY, ARGAN GIULIO CARLO & BONITO OLIVA ACHILLE
- ART AND VISUAL PERCEPTION., RUDOLF ARNHEIM
- The design and the color reveal us, George Tsiouris
- Field C & P, (2007) Design now, Tachen
- Η Ιστορία της Μοντέρνας Ζωγραφικής, H. REED εκδ. Υποδομή 1980
- ΣηΣΕίο-Γραμμή-Επίπεδο, Συμβολή στην ανάλυση των Ζωγραφικών Στοιχείων, W. Kandinsky, εκδ. Δωδώνη, 1980
- Τέχνη και Ψευδαίσθηση, E. H. Gombrich, εκδ. Νεφέλη 1995.
- Τέχνη και οπτική αντίληψη, Η Ψυχολογία της Δημιουργικής Όρασης, Rudolf Arnheim, εκδ. Θεμέλιο 1999, Αθήνα.
- Η Τέχνη σε SCτάβαση, Γιάννης Κολοκοτρώνης, εκδόσεις Νηρέας, 2000
- Σημαντικοί σταθμοί της νεοελληνικής ζωγραφικής 19ος-20ος αιώνας, Αθηνά Σχινά, Χαρ. Χριστοφόρου, Ελληνική Τράπεζα, 2006
- Τέχνη και Πολιτισμός, Cl. Greenberg, εκδ. Νεφέλη 2007
- Η Τέχνη της Ζωγραφικής στον αρχαιελληνικό κόσμο, Δημ. Πλάντζος, εκδ. Καπόν, 2018

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
CODE OF SUBJECT	**EA104**	SEMESTER	**1**
STUDY LEVEL		Undergraduate	
SUBJECT TITLE		**Plastic Art I**	
TEACHING CONTENT		Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.		3	3
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek, English	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea104/	

2. Aims and Objectives – Methods – Skills
a. Learning outcomes
The cultivation of the perception of volume and volume / space relationship, as a juxtaposition or correlation of the empty / full, the flat, the relief of the detachable / dependent / free in space. The acquisition of skills and techniques that allow the construction of simple 3D shapes. At the end of the semester, students will be able to: • handle the appropriate materials and tools for the implementation of a plastic composition • implement a two-dimensional idea [sketch] in 3D form • understand the different techniques as alternative solutions / proposals in the implementation of their forms • understand space and the possibilities and challenges that are presented in order to host / develop a 3D form
b. Skills
• Development of spatial capacity • Practicing new skills and promoting inductive thinking • Solve new problems and apply known data in new conditions • Individual work and teamwork

3. Subject Context
Introduction to Plastic Art and Sculpture. The course, with lectures and exercises, opens the dialogue with space and 3D objects, which are topics that will occupy students during their studies. Through exercises, students discover the possibilities of different materials and techniques and acquire new skills that help them perceive space and volume.

4. Teaching and learning methods – Evaluation and Assessment		
- Delivery method - Theory and Design Workshops - Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercices - Interim Reviews - Project Final Pin Up - Portfolio Hand In.	Face to face Individual & group work in the laboratory	
Use of Information and Communication Technologies	Theoretical presentations with video projection	
Teaching organization	Activity	Teaching organization
	LecturesLaboratory Assignment	20
	Laboratory exercises	50

	Total	75
Student assessment	Written examination Individual portfolio of laboratory exercises	

5. Recommended/ Bibliography

- Adorno W. T., Αισθητική Θεωρία, SCτάφραση Λευτέρης Αναγνώστου, ΑΛΕΞΑΝΔΡΕΙΑ, 2002
- Αντωνοπούλου Ζ., Τα Γλυπτά της Αθήνας 1834-2004, Εκδόσεις Ποταμός, Αθήνα 2003
- Arnheim Rudolf, Η δυναμική της αρχιτεκτονικής μορφής, University Studio Press, 2003
- Arnheim Rudolf, Τέχνη και Οπτική Αντίληψη, SCτάφραση Ι. Ποταμιάνος, University Studio Press, 1999
- Αφρικανική Τέχνη, συλλογικό έργο, Ελευθερουδάκης, Αθήνα, 2012
- Boardman John, Ελληνική Πλαστική-Αρχαϊκή Περίοδος, Καρδαμίτσα, Αθήνα 2001
- Γλυπτική: Εικονογραφημένος Οδηγός από Προιστορικούς Χρόνους ως τους Σύγχρονους Καλλιτέχνες, Εκδόσεις Δεληνάσιος, Αθήνα 1995
- Curtis, Penelope, Sculpture 1900-1945 after Rodin, Oxford University Press, Oxford and New York, 1999
- Δασκαλοθανάσης Ν., Ο καλλιτέχνης ως ιστορικό υποκείSCνο από τον 19ο στον 21ο αιώνα, ΑΓΡΑ, 2004
- Ελληνική και Ρωμαική Γλυπτική, από τις συλλογές του Μουσείου Μπενάκη, Εκδόσεις Μέλισσα, Αθήνα 2004

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA105**	SEMESTER	**1**
SUBJECT TITLE		**Design Methodology**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Excercises, Design Project – Portfolio of work.	4	4	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea105/	

2. Aims and Objectives – Methods – Skills
a. Learning Outcomes
During the course, students come into contact with the design code and become familiar with the basic rules of technical design and the techniques of designing a space and an industrial object. At the end of the course, students will have acquired specialized knowledge to successfully depict interior and exterior spaces, as well as various decorative subjects, using traditional and analogical hand drawing methods.
b. Skills
• Using design code with hand drawing • The role of scale, instruments and methods of drawing • Presentation of spaces and objects using the design code • Practice traditional drawing by hand and with drawing instruments. • Introduction to the 3d concept of building and objects • Drafting of an architectural project file

3. Subject Context
Methodology of correct architectural design through projections of architectural space (layout, facade, section etc.). Architectural imprinting of spaces & objects and methodology, use of architectural scale, scantings as well as corresponding symbolism of the elements of architectural space. Axonometric design. Design of interior spaces and objects with one, two or three point perspective. Applications of architectural, axonometric and perspective design with drafting of a professional practice study file. Materials and presentation techniques. Specifications for the design and presentation of architectural studies (architectural scale 1:20, 1:50 1: 1, 1: 2, 1: 5, 1:10)

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops - Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercices - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies		
Teaching organization	Activity	Semester ECTS
	Lectures	20

	Theory Essay	-
	Design Workshop and Excersices	70
	Main Design Project	10
	Research and Analysis of Bibliography	-
	Total	100
Student assesment		

5. Recommended/ Bibliography
• Αγαλιώτου Χαρά, Σχεδιαστική SCθοδολογία, Εκδόσεις Ιων 2010 • Μαλικούτη Σ, SCθοδολογία & Εφαρμογές Τεχνικού Σχεδίου, Σύγχρονη Εκδοτική, Αθήνα 2011 • Παιδαγωγικό Ινστιτούτο, Γραμμικό Σχέδιο Β΄ Ενιαίου Λυκείου, Αθήνα 1998 • Αρφαράς Μ., SCλισσουργάκη Μ, Το γραμμικό Σχέδιο ΙΙ, Αθήνα 1993 • Μαλικούτη Σ, Τεχνικό σχέδιο: στοιχεία θεωρίας και εφαρμογές, Σύγχρονη Εκδοτική, 2005 • ΠΑSλίδης Ι., Γραμμικό Σχέδιο, Εκδόσεις Ζήτη, Θεσ/νίκη 1997 • Αρφαράς Μ., SCλισσουργάκη Μ, Το γραμμικό Σχέδιο, Αθήνα 1993

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA106**	SEMESTER	**1**
SUBJECT TITLE		**Interior Architecture I**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	6	6

TYPE OF SUBJECT	Compulsory
PREREQUIRED COURSES	No
TEACHING AND EXAMS LANGUAGE	Greek
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes (in English)
Course website (URL)	https://ia.ihu.gr/ea106/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course is organized around the interrelation between theory and design application. In the theoretical part, a series of lectures is given by the teachers of the course using visual material, where the presented topics are analyzed and discussed with the active participation of the students. In addition, students prepare theoretical individual work through written essays.

Students prepare design (workshop) exercises and then a complete architectural study (project), individually. These are discussed analyzed and reviewed weekly wile communicated by students through drawing presentations of their work in class periodically. (Interim reviews – Final Pin Up)

Initially students work on design workshop exercises and then work on a complete project study individually. Finally, they present all prepared work as a form of Pin Up Presentation and portfolio of Work final hand in.

Upon successful completion of the course the students will:

- Have knowledge of the basic synthetic principles of space
- Have the ability to perceive, analyze, understand and render the elements of space (geometric, symbolic, functional, structural, etc.) and the user - human relationship with it
- Understand creativity in the design process and how to develop it
- Have the ability to express and communicate his ideas, verbally and visually [sketches, models, drawings]
- Have the ability to develop and support his theoretical and design approaches to design

b. Skills

- Aesthetic cultivation through contact with important works of art
- Presentation and analysis of the components of artworks or decorative motifs
- Promotion of free and creative thinking
- Independent work in an interdisciplinary environment
- Research, analysis and classification of bibliography and historical sources

3. Subject Context

Interior Architecture I, is an introduction to basic issues of architectural design. It deals with elements of space, its geometry, its basic vocabulary, as well as its functionality. The theory and application of the subject aims at guiding into the formulation of an initial approach to the architectural composition of interiors.

The main objectives of the course are the understanding of fundamental architectural concepts and issues of analysis and composition of space, the development of creativity, experimentation, exploration, formulation of multiple approaches and ideas of an architectural composition, but also familiarity with various expressive means and visual techniques. The course approaches, through experimentation and research, the correct understanding of space starting from its metric mapping followed by the understanding of its proper application.

4. Teaching and learning methods – Evaluation and Assessment

- Theory and Design Workshops - Main Project Brief/ Site visits	Public presentations in Class and in Public and Visiting Lectures, of the theoretical work, the laboratory exercises and the development phases of

<table>
<tr><td>- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2">the project (project), with a critical attitude of the public (fellow students / teachers) in the classroom, possibility of improvements.</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Learning process support through the electronic platform e-class (information and teaching materials, hyperlinks, academic libraries, etc.)</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td>30</td></tr>
<tr><td>Design Workshop and Excersices</td><td>20</td></tr>
<tr><td>Main Design Project</td><td>60</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>20</td></tr>
<tr><td>Total</td><td>150</td></tr>
<tr><td>Student assesment</td><td colspan="2">Theoretical Work.
Evaluation criteria:
• Completeness
• Critical Thinking
• Scientific writing
Design Workshop and Exercise
Evaluation criteria:
• Experimentation
• Creativity and originality
• Personal expression and correctness of the illustration
• Quality and completeness of the design
• Presentation
• Consistency in the implementation of the schedule
Design Project
Evaluation criteria:
• Application of the methodology
• Depth of research and utilization of its data
• Experimentation
• Creativity and originality
• Personal expression and correctness of the illustration
• Quality and completeness of the design
• Presentation
• Consistency in the implementation of the timetable and schedule.</td></tr>
</table>

5. Recommended/ Bibliography

- The Dynamics of Architectural Form, Rudolf Arnheim, University of California Press, 1977
- Architecture, Form, Space and Order, Francis D.K. Ching, 1996
- The Poetics of Space, Gaston Bachelard, Penguin Books, 2014
- Elements of Architecture: From Form to Place 1st Edition by Pierre von Meiss, E &FN Spon,1996.
- Manual of Graphic Techniques 4, Porter & Goodman, ButterWorth Architecture, 1990.
- Modern Architecture: A Critical History, Kenneth Frampton,1980.
- Towards a New Architecture, Le Corbusier, Dover Publications, 1985
- The Architecture of the City , Aldo Rossi, Oppositions Books, 1982
- Complexity and Contradiction in Architecture, Robert Venturi, 1977
- Rem Koolhaas- Elements of Architecture, Taschen, 2018
- Jun'ichiro Tanizaki, In Praise of Shadows, An essay on Aesthetics, Vintage, 2001

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA107**	SEMESTER	**1**
SUBJECT TITLE		**Visual Arts I**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Work Portfolio.	4	4	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea107/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

In the Visual Arts I Course, the teaching is bilateral and concerns the introduction to both the design representation of space and the art of Color**.**Design is basic knowledge necessary for the development of studies and in other learning fields related to applied design. Through lectures and design studies, the aim is to understand and apply both the basic principles of design and the techniques and concepts of color. At the same time, his personal look and writing towards simple and complex structural compositions is formed.

At the end of the Course, the students:

- understand the basic principles of design (composition, tone ratio)
- acquire skills that promote design plasticity impression and composition
- become familiar with the use of different Design materials and Color
- they can cope with design and color in a primitive decorative composition
- they can render the textures of different materials in design and color
- they understand the two-way the relationship and the interaction between Design and Color they can carry out a parallel projective, axometric and perspective study of objects

b. Skills

- The perception and cultivation of artistic vision and its application in interior architecture.
- Basic principles of color theory and practice. Materials and paint processing techniques. Aesthetics of color compositions. Practice in the use of color materials and their means of processing
- Analysis and synthesis of data with the use of necessary materials
- Adaptation to new situations of recognition
- Independent work
- Practice of criticism and self-criticism
- Creative thinking
- Development of critical ability
- Development of visual perception
- Organization of time/project

3. Subject Context

The Course consists of two main axes Drawing- Design and Color.

- Drawing- Design: Basic principles of Free Design (composition, proportion, tone). Free design materials. The point, the line, the shape. Curved ellipses Axial structures-perspective. Harmonious engraving - plasticity. Drawing studies(by nature) with compositions of simple and complex solid shapes-objects. Design with different light sources. Interior and exterior design. Introduction to morphological structures (face-body structure). Drawing-Design representation on grid.
- Color: The basic principles of color. Basic principles of Color composition. Rules of color relations, composition, contrasts, harmonies, etc. Color in Nature. Color tonality. Shape and color. Schematic table of complementary. Color circle. Color effects. Basic colors, warm - cold - related - derived. Natural color exercises

with different materials. Color rendering of textures of different materials. Decorative color applications in axonometric and perspective design. Color in models of industrial design objects. Color restoration studies-exercises.

4. Teaching and learning methods – Evaluation and Assessment		
Method of course delivery	Face to face	
Use of Information and Communication Technologies	Video presentations, student assignments after accessing digital libraries	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Design Workshop and Exercises	50
	Educational Visits	10
	Project and portfolio	20
	Total	100
Student assesment	Written Examination Project Laboratory-Studio Work-exercises	

5. Recommended/ Bibliography

- Ίττεν Γιοχάννες, Τέχνη του Χρώματος, Ένωση καθηγητών καλλιτεχνικών Μαθημάτων, Αθήνα 2011
- Itten J. (1975), Σύνθεση και Μορφή, Εκδόσεις Αντιύλη 2011
- Παπασταμούλης Κ. Το Σχέδιο και το χρώμα στη ζωγραφική , Εκδόσεις ΙΩΝ, Αθήνα 2005
- Όλγα Κοζάκου- Τσιάρα, Εισαγωγή στην εικαστική γλώσσα, ΕΚΔ:GUTENBER
- Παπασταμούλης Κ. Χρώμα, Σκίτσο και αρχές ελευθέρου σχεδίου, Εκδόσεις ΙΩΝ
- Μανωλεδάκη-Λαζαρίδη Ι., Το Σχέδιο: θεωρία & πρακτικές, εκδ Επίκεντρο, Αθήνα 2005
- Τσιούρης Γ. ,Το Σχέδιο και το χρώμα στη ζωγραφική, Εκδόσεις ΙΩΝ
- Paul Klee, Η εικαστική σκέψη, τα μαθήματα στη σχολή Μπαουχαουζ, Εκδ. SCΛΙΣΣΑ.
- Γεωργίου Βάσω (SCτάφραση), Κλέλια Καταιβάτη (επιμέλεια), Πως σχεδιάζω και ζωγραφίζω, Εκδόσεις Κισσος-Παν, Αθήνα 1984.
- Ρήντ, Χέρμπερτ, Λεξικό Εικαστικών Τεχνών, Εκδόσεις Υποδομή
- Reed H. (1959). Η Ιστορία της Μοντέρνας Ζωγραφικής. Εκδόσεις Υποδομή 1978
- Edgar Degas : Drawings and Pastels, Hudson&Thames, London, 2014
- Selinman, Isabel, Lines of thought: Drawing from michelangelo to now (British Museum), Thames and Hudson Lmt, London 2016
- Zakia D. Richard, Perception & Imaging, 2nd ed., Butterworth-Heinemann, Woburn 2002
- Elderfield J., The modern drawing : 100 works on paper from the Museum of Modern Art : [exhibited, Oct. 29, 1983-Jan. 3, 1984], The Museum of Modern Art: Distributed by New York Graphic Society Books, New York, 1983
- Finlay V., The Brilliant History of Color in Art, Getty Trust Publications , Santa Monica, 2015
- Klee Paul, Notebooks-The thinking eye, Lund Humphries Publishers Limited, London, 1961
- Klee P. (1956). Η Εικαστική Σκέψη (Πρώτος Τόμος,)Τα Μαθήματα στη Σχολή Μπαουχάουζ. Εκδόσεις Μέλισσα 1989
- McCully M., Raphael Bouvier, et al., Picasso: Blue and Rose Periods, Hatje Cantz, Berlin, 2019
- Gage John, Colour and Meaning, Thames & Hudson, 1999
- Albers J.(1963)The Interaction of Colour. Pupl. Yale University Press
- Arnheim R. (1954), Τέχνη και οπτική αντίληψη, Η ψυχολογία της δημιουργικής όρασης, Εκδόσεις Θεμέλιο 1999, Αθήνα
- Kandinsky W. (1914), Για το πνευματικό στην τέχνη, Εκδόσεις Νεφέλη, 1981
- Parramon J. M.(1992), Προοπτική για Καλλιτέχνες, Εκδόσεις Ντουντούμης 2003
- Κολοκοτρώνης Γ. (2000), Η Τέχνη σε SCτάβαση, Εκδόσεις Νηρέας, 2000

15.2 2nd Semester Courses

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA201**	SEMESTER	**2**
SUBJECT TITLE		**History of Art and Architecture II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Excercises, Design Project – Portfolio of work.	4	6	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea201/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Familiarization with the main trends of art and with the work of individual artists from the Renaissance to the beginning of the 20th century. Understanding of the essential features of each period and of the particularities of distinct painters, sculptors, architects and designers. Analysis of the factors that affect the position of the artists and the production of their work.

Upon completion of the course students will be able to:

- describe paintings and sculptures based on their iconography
- discuss works and styles of the decorative arts
- observe buildings from different periods or tendencies and discover affinities and disparities
- compare works of artists and perceive their divergences
- cite the essential aspects of art and architecture of each period of art
- comprehend historical phenomena such as the organization in guilds, the patronage of art, the art market, the academies, the rupture with tradition

b. Skills

- Contribution of the 19th century art movements to the contemporary art of the 20th century
- Aesthetic cultivation through the contact with works of art by significant creators.
- Presentation and analysis of the features of a work of art or of a decorative motif.
- Promotion of free and creative thinking.
- Autonomous work in an interdisciplinary environment.
- Search, analysis and classification of bibliographic historical sources.

3. Subject Context

The artistic creation from the Renaissance to the 19th century art movements. Art in the Renaissance. Baroque, Rococo and Classicism. The 19th century art movements until the beginning of the 20th century. The history of architecture and interior design from the Renaissance to the early 20th century. Building applications of the Renaissance, Baroque, Rococo, and Classicism. Association between the architectural style and the furniture style. Classicism in the newly formed Greek state and neoclassicism in Greece.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site	Face to face

<table>
<tr><td>Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Lectures with video projections
Theoretical Papers using electronics Sources</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>120</td></tr>
<tr><td>Theory Essay</td><td>30</td></tr>
<tr><td>Design Workshop and Excersices</td><td>-</td></tr>
<tr><td>Main Design Project</td><td>-</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>-</td></tr>
<tr><td>Total</td><td>150</td></tr>
<tr><td>Student assessment</td><td colspan="2">Written examination
Progress work</td></tr>
</table>

5. Recommended/ Bibliography

- H. & A. Janson, History of Art – The Western Tradition, Ion Publications, Athens 2011
- Jordan F., Western Architecture, Thames & Hudson, London 1969
- Bazin G., Baroque and Rococo, Thames & Hudson, London 1964

X. Bouras, History of Architecture, Athens

- D. Piper, Dictionary of arts & artists, Collins, London 1998
- J. Fleming, H. Honour, N. Pevsner, Dictionary of Architecture, Penguin, London 2004
- Boardman J., Greece and the Greek World, Nephele Publications 1996
- Gombrich E. H., The Chronicle of Art, M.I.E.T. Publications Athens 1998
- Preble Duane+Sarah, History & Forms of Art II, Ion Publications, Athens 2003
- Tsoumas I., The History of Decorative Arts & Architecture in Europe and America 1760-1914, Ion Publications, Athens 2005
- Heslewood J., History of Western Sculpture, Patakis Publications, Athens 1995
- Andal F., Studies of Art History, University of Crete Publications 1999
- Fessa-Emmanuel E., Buildings for Public Use in Modern Greece, Papasotiriou Publications, Athens 1993
- Neoclassical Architecture in Greece, Emporiki Bank of Greece Publications, Athens 1967
- Traulos I, Kokkos A., Ermoupolis, Emporiki Bank of Greece Publications, Athens 1980
- R. F. Jordan, History of Architecture, Infrastructure Publications, Athens 1981
- D. Watkin, History of Western Architecture, M.I.E.T. Publications Athens 2009
- R. Fyrno-Jordan, History of Architecture, Eleni G. Sarafidou Publications & CO. EE, 1981

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA202**	SEMESTER	**2**
SUBJECT TITLE		**History and Theory of Design I**	
TEACHING CONTENT	Weekly Hours)	ECTS	
Lectures, Essays, Design Workshops/Excercises, Design Project – Portfolio of work.	2	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea202/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The purpose of this course is to obtain the cognitive background of the evolutionary course of design, but also of space decoration, in many cases, from 14th century to 20th century in Europe and America. This perhaps constitutes the most important period of the evolution and shaping of the institutions, principles and theories in modern industrial design.

b. Skills

After the end of the course students will be able to know:

- The contribution not only of the new theories, but also of the political, social and cultural events of the 14th till the early 20thcentury .
- The application of this knowledge in the interpretation and analysis of industrial design, but also in their use in any research field related to the specific era.

3. Subject Context

The subject constitutes a diligent effort to equate not only the basic principles of industrial design as they were formed in that period within the historical, political and social framework of the era, mainly in Europe, but also in America. Its main historical areas are:

- Middle ages
- Renaissance
- The beginnings of the Industrial Revolution in Great Britain and France.

The course is based on extensive reports and station analysis of the history and theory of the design of the useful object presented in chronological order. At the same time, the popular furniture in Greece in the pre-industrial era will be examined.

4. Teaching and learning methods – Evaluation and Assessment

- Theory and Design Workshops - Theory Essay and Design Exercises		
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	40
	Theory Essay	20
	Research and Analysis of Bibliography	15
	Total	75

Student assessment	Written final exam that includes: Multiple choice questions and / or development of specific issues

5. Recommended/ Bibliography

- Auerbach, J. (1999) The Great Exhibition of 1851: A Nation on Display, London: Yale
- Cambell, J. (1989) The German Werkbund. N. Jersey, Princeton University Press
- Campbell, G. (2006), The Grove Encyclopedia of Decorative Arts (Vol. 1), Oxford, Oxford University Press
- Forty, A. (1987). Objects of Desire, Design and Society (1750-1980), London, Thames & Hudson Ltd. E.
- Greenhalgh, P. (ed.) (2000) Art Nouveau, 1890-1914. London, V & A publications
- Greenhalgh, P. (2005) The Modern Ideal: The Rise and Collapse of Idealism in the Visual Arts from Enlightment to Postmodernism. London, V&A Publications
- Π. ΚερτεSCλίδου (2021) Η διαλεκτική της καλλιτεχνικής δημιουργίας SC το βιομηχανικό χρηστικό αντικείSCνο, Θεσσαλονίκη, Εκδόσεις Επίκεντρο
- Μ Περιβολιώτου, Μ. (2004), Ρυθμολογία Επίπλου, Εκδόσεις ΙΩΝ, Αθήνα
- ΠαρSCνίδης, Γ. Ρούπα, Ε. (2003)Το Αστικό Έπιπλο στην Ελλάδα 1830-1940, Πανεπιστημιακές Εκδόσεις ΕΜΠ, Αθήνα
- Τσούμας, Ι. (2005), Η Ιστορία των Διακοσμητικών Τεχνών και της Αρχιτεκτονικής στην Ευρώπη και την ASCρική (1760-1914), Αθήνα, Εκδόσεις Ίων

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA203**	SEMESTER	**2**
SUBJECT TITLE		**Design Methodology with Digital Media**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Excercises, DesignProject – Portfolio of work.	1 2	3	
TYPE OF SUBJECT		Compulsory- General Infrastructure Course	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		ia.ihu.gr/ea203	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists of both theoretical and laboratory content. In the theoretical part, aseries of injectable theoretical presentations are made, which are analyzed and discussed with the active participation of the students, either in the design application of the computer, or on the blackboard or with the use of multimedia or visual material. In the laboratory part, a series of laboratory exercises for the application of theoreticalpresentations are performed. Students first prepare individual laboratory exercises andthen an individual integrated digital design study.

Upon successful completion of the course the student will:

- have knowledge of the basic theoretical concepts and tools of digital design
- have knowledge of basic digital spatial tools
- know and apply the rules, geometric correlations, constraints and modeling interdependencies
- understand the digital design process in relation to the needs of the architectural design methodology
- correlate, connect various design systems
- have the ability to express and communicate his design-synthetic ideas in a digital way,
- can have a standalone digital design action covering all the design and presentation needs of synthetic and other related workshops

b. Skills

- Knowledge of analog design methodology
- Synthesis of design data and information, using digital applications
- Autonomous work
- Application of theoretical knowledge in practice
- Criticism of both the use and the integration of digital tools in the architectural design methodology
- Spatial perception

3. Subject Context

A course that is developed in parallel at a theoretical and laboratory level and concernsterms, principles, techniques, procedures and methods of digital design that digitally support the architectural design methodology and the corresponding spatial projections. The course covers in addition: digital modeling and simulation techniques of two-dimensional architectural models, basic digital transformations, rules of digital design, geometric correlations, definition of constraints and interdependencies, modeling, relationship, connection and collaboration of systems multimedia objects and finally preparation of programming, automated and parametric design.

In addition to consolidating the technical knowledge that is obviously required to create designs and models in 2 dimensions, special attention is given to students to control therelationship of the design tool with the designed space, especially the issue of scale, in other words, its absolute and comparative sizes. space, but also the risk of excessive dependence of the designed space on the facilities of the design tool through a critical approach and integrated application of digital techniques in the architectural design methodology.

<table>
<tr><th colspan="3">4. Teaching and learning methods – Evaluation and Assessment</th></tr>
<tr><td>- Theory and Design Workshops
- Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercices
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2">Theory and Design Workshops Theory Essay and Design Exercices
Final Project</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Computer sofware
Multimedia and conventional presentations via PC Video projection</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>15</td></tr>
<tr><td>Theory Essay</td><td>20</td></tr>
<tr><td>Design Workshop and Excersices</td><td>20</td></tr>
<tr><td>Main Design Project</td><td>10</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>10</td></tr>
<tr><td>Total</td><td>75</td></tr>
<tr><td>Student assesment</td><td colspan="2">Written examination
Project design and presentation
Laboratory examination via PC
Digital portfolio organization</td></tr>
</table>

5. Recommended/ Bibliography

- Dally W., & Harging, C., (2017), Digital design, from the systems side. University Publications of Crete, ISBN 978-960-524-445-3, England, translated edition Crete 2017
- Mano, M., Cilleti, M., (2017), Digital design. Papasotiriou Publications, ISBN 978-960- 491-084-7, USA, translated edition Athens, 2017
- Wakerly, J., (2004), Digital Design, Principles and Practices. Key Number Publications, ISBN 960-209-728-0, USA, translated edition Athens, 2017
- Kappos, I., (2017), Work with Autocad 2017. Key Number Publications, ISBN 978- 960-461-730-2, Athens 2017
- Omura .G., Benton B., (2016), Mastering AutoCAD 2017 and AutoCAD LT 2017. John Wiley & Sons Inc Publications, ISBN 9781119240051, USA 2016
- Paraschakis, I., Papadopoulou, M., Patias, P., (1990), Design with PC, Ziti Publications, ISBN 960-431-002-X, Thessaloniki 1990
- Dedousis, V., Giannatsis, I., Kanellidis, V., (2015), CAD Systems. SEAB Publications, KALLIPOS, ISBN: 978-960-603-460-2, Athens 2015
- Anthymidis, K., David, K., (2015), Computer Aided Design, Autocad in practice, Dissigma Publications 2nd edition, ISBN 978-960-9495-54-7, Athens 2015
- Kouzeleas, St. (2006), Electronic Notes, Coordinate Systems and their Use in the AutoCAD Platform, Drawing Algorithms
- Kouzeleas, St. (2021), Electronic notes, Basic functions of AutoCAD platform
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA204**	SEMESTER	**2**
SUBJECT TITLE		**Visual Arts II**	
TEACHING CONTENT	Weekly Hours)	ECTS	
Lectures, Essays, Design	1	4	
Workshops/Exercises	3		
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea204/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

In the Visual Arts Course II, the design and color study is extended to complex structures, starting with morphoplasty, progressing to the study of complex interior and exterior spaces and ending in a design project of an original object. Design skills are expanded and the interconnection of design and color values and concepts with applied design is understood. The fundamental relationship between idea and work for the visual and applied Arts is understood.
After the end of the Course, the students will:

- be able to design complex interior and exterior spaces
- understand the connection between morphology with ergonomics
- be able to render the movement of a form within the space
- have expanded their ability to use materials and techniques
- have cultivated their visual perception and in practice the content and object of design is expanded as an autonomous mental activity
- have developed the ability to connect the idea with the visual system that will support it
- have carried out a parallel projective, axonometric and perspective study of interior spaces
- be able to recognize different expressive media as ways to achieve different visual effects with corresponding conceptual contents.
- be able to support a design proposal of an original decorative object (idea, sketches, final designs, color choices, applications, presentation)

b. Skills

- Creative Design
- Problem solving by applying known data in new conditions
- Synthetic ability
- Critical ability
- Analysis and re-synthesis of data into new content.
- Recognition and development of possibilities in known and new skills.
- Individual work and self-criticism Independent work
- Practice of criticism and self-criticism
- Creative thinking
- Development of critical ability
- Development of visual perception
- Organization of time/project

3. Subject Context
The course expands the field of knowledge about design and visual color, as the knowledge they have is placed in a creative field of action. At a theoretical level, works of art from the early 20th century to recent years are presented and analyzed for their design solutions, as an index of direction and use of design as a tool of thought. Design skill becomes the means to organize a visual ensemble that communicates / supports an idea. The design / color takes the role of the tool and is now perceived in relation to conceptual / cultural extensions. Image is analyzed in terms of its design values and the cultural meanings it conveys. A comparison between media and purposes is made. Students have the opportunity to choose their own means and the subject of their assignments, so that they are faced with decisions and dilemmas of a personal project. Use of photos, collages, mixed media.

4. Teaching and learning methods – Evaluation and Assessment		
Method of course delivery	Face to face and Workshops/Exercises in Visual arts lab	
Use of Information and Communication Technologies	Video presentations	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Design Workshop and Exercises	70
	Portfolio	10
	Total	100
Student assesment	Written examination that includes: • Critical analysis of well-known works regarding • their design values • Questions on understanding design values Delivery of individual laboratory portfolio exercises Evaluation criteria: • quality and completion of execution • presentation and style of exercises • application of theoretical knowledge in practice • consistency in delivery	

5. Recommended/ Bibliography
• Δασκαλοθανάσης, Ν., Από την μινιμαλιστική στην εννοιολογική τέχνη, Μια κριτική ανθολογία, Α.Σ.Κ.Τ, Αθήνα, 2006 • Foster Hall, Krauss Rosalind, Bois Yves Alain, Buchloh Benjamin H. P., Η τέχνη SCτά το 1900, επιμέλεια Μιλτιάδης Παπανικολάου, ΕΠΙΚΕΝΤΡΟ, Αθήνα, 2007 • Μουζακίτου, Φρύνη, Η Οπτική Γλώσσα στον Σύγχρονο Σχεδιασμό, Οδυσσέας 2004 • Πούλος, Παν., Έννοιες της τέχνης τον 20ό αιώνα, Α.Σ. Κ. Τ., Αθήνα, 2006 • Klee, Paul 1989, Η Εικαστική Σκέψη. Τα Μαθήματα στη Σχολή Μπαουχάουζ, Μέλισσα, Αθήνα • Παπασταμούλης Κ., Το Σχέδιο και το χρώμα στη ζωγραφική , Εκδόσεις ΙΩΝ. Τσιούρης Γ. • Καντίνσκι Βασίλι, ΣηSCίο Γραμμή Επίπεδο, Δωδώνη, Αθήνα, 1980. 31 ΔΙΠΑΕ Τμήμα Εσωτερικής Αρχιτεκτονικής • Archer, Michael, Art Since 1960, Thames & Hudson Ltd, London, 2014 • Michael Craig-Martin, Drawing the line, exhibition and catalogue, South Bank Centre, London, 1995 • Davidson Margaret, Contemporary Drawing, Watson-Guptill Publications Inc., New York, 2011 • Dexter, Emma, Vitamin D: New perspectives in Drawing, London and New York, Phaidon Press, 2005 • Donis A. Donis, A primer of visual literacy, The MIT Prees, Massachusetts, 1974. • Edwards, Betty, The new drawing on the right side of the brain, Tarcher/Putnam, New York, 1999 • Fargas-Monar, The Theater of the Bauhaus, Walter Gropious, Arthur S. Wensinger (Eds), Wesleyan University, 1961, Connecticut • Kaupelis, Robert, Experimental Drawing Techniques, 30th Anniversary Edition, Watson-Guptill Publications, New York, 1992

- Klee Paul, Pedagogical Sketchbook, Frederic Praeger inc., New York, 1960
- Klee Paul, The thinking Eye, Lund Humphries Publishers Ltd, London, 1973
- Ingold, Tim, Lines, Taylor & Francis Ltd, 2016
- Petherbridge, Deanna,The Primacy of Drawing: Histories and Theories of Practice, Yale University Press, New Haven and London, 2002
- Pipes, Alan, Foundations of Art and Design, Laurence King Publishing Ltd, London, 2008
- Rose, Bernice, Drawing Now, The Museum of Modern Art, New York, 1976
- Stout Katherine, Contemporary Drawings: From the 1960s to Now, Tate Publishing, London, 2015
- Tormey Jane, Andrew Selby, Phil Sawdon, Russell Marshall, Simon Downs, (eds), Drawing Now : Between the Lines of Contemporary Art, I.B. TAURIS & Co Ltd, London, 2007
- Sawdon Phil, Marshall Russel (eds), Drawing Ambiguity : Beside the Lines of Contemporary Art, I.B. TAURIS &Co Ltd, London, 2015

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA205**	SEMESTER	**2**
SUBJECT TITLE		**Interior Architecture II: Habitation**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project, Portfolio of work.	6	8	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		Interior Architecture I	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes (in English)	
Course website (URL)		https://ia.ihu.gr/ea205/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course is organized around the interrelation between theory and design application. In the theoretical part, a series of lectures is given by the teachers of the course using visual material, where the presented topics are analyzed and discussed with the active participation of the students. In addition, students prepare theoretical individual work through written essays and drawing presentations of Reference and Analysis of Paradigm studies of Prototype Habitations of modernity.

Students prepare a complete study (project) which they complete with presentations of their work in class.

Upon successful completion of the course the students will have:

- knowledge of interior design of home
- the ability to perceive, analyze, understand and render the data of the living space and the relationship of the human user with habitable space
- understood creativity in the design process and how to develop it
- the ability to express and communicate his ideas, verbally and visually [sketches, models, architectural drawings, 3d renders]

b. Skills

- Search, analysis and synthesis of data and information, using the necessary technologies
- Decision making
- Autonomous work
- Production of new research ideas
- Exercise criticism and self-criticism
- Promoting free, creative and inductive thinking
- Application of knowledge in practice

3. Subject Context

The course of Interior Architecture II of the 2nd semester, deals with the creative design of the interior of a House. The design of the residence is approached through reflection, research and familiarization of students with concepts related to Housing, Cultural and social environment, anthropometric data, form, function, structure and construction.

The aim of the course is for students to gain knowledge and skills so that they can systematically approach and solve methodical and creative synthetic problems of any living space. The applied workshop part of the subject includes the interior design of a residence. A systematic approach is taken to the architectural composition of interiors as a basic stage of interior design. Emphasis is placed on the formation of a central synthetic idea, which will give meaning to the design of the space of the House.

The following objectives are pursued: the acquaintance of students with the systematic approach to the architectural design of residential interiors, the acquaintance with the basic concepts, the functional and structural elements that compose the space, the deeper knowledge and understanding of human needs and their relationship with the area of the residence.

Familiarity with the use of expressive means for the representation and description of space is encouraged at every stage

of the synthetic process: sketches, two-dimensional drawings, models - 3D work model, as well as the development of personal creativity and originality, culture active participation and group collaboration and the possibility of public presentation and support of their studies.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops - Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Public presentations in Class and in Public and Visiting Lectures, the design workshop exercises and the design development phases of the project (project), with a critical attitude of the public (fellow students / teachers) in the classroom, possibility of improvements.	
Use of Information and Communication Technologies	Learning process support through the electronic platform e-class (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organisation	Activity	Teaching organisation
	Lectures	120
	Theory Essay	30
	Design Workshop and Excersices	-
	Main Design Project	-
	Research and Analysis of Bibliography	-
	Total	150
Student assesment	**Theoretical Work.** Evaluation criteria: • Completeness • Critical Thinking • Scientific writing • Research and Analysis through architectural diagrams **Design Workshop and Exercise** Evaluation criteria: • Experimentation • Creativity and originality • Personal expression and correctness of the illustration • Quality and completeness of the design • Presentation • Consistency in the implementation of the schedule **Design Project** Evaluation criteria: • Application of the methodology • Depth of research and utilization of its data • Experimentation • Creativity and originality • Personal expression and correctness of the illustration • Quality and completeness of the designPresentation • Consistency in the implementation of the timetable and schedule	

5. Recommended/ Bibliography
• The Dynamics of Architectural Form, Rudolf Arnheim, University of California Press, 1977 • Architecture, Form, Space and Order, Francis D.K. Ching, 1996 • The Poetics of Space, Gaston Bachelard, Penguin Books, 2014

- Elements of Architecture: From Form to Place 1st Edition by Pierre von Meiss, E &FN Spon,1996.
- Manual of Graphic Techniques 4, Porter & Goodman, ButterWorth Architecture, 1990.
- Towards a New Architecture, Le Corbusier, Dover Publications, 1985
- Rem Koolhaas- Elements of Architecture, Taschen, 2018
- Herman Herzberger, Lessons for Students in Architecture, NAI Publishers, Rotterdam, Netherlands, 7th edition, 2017

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA206**	SEMESTER	**2**
SUBJECT TITLE		**Structural Art II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project, Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		No	
TEACHING AND EXAMS LANGUAGE		Greek	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes	
Course website (URL)		https://ia.ihu.gr/ea206/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course is organized in two interrelated parts that of theory and application. In the theoretical part, a series of lectures are held by tutors of the course and guest lectures, using visual material, where the topics presented are analyzed and discussed with the active participation of students. Within this framework the following issues are studied: the orientation of buildings and the contribution of natural light to the composition of the building shell, the specifications of materials, surfaces and systems and their desired properties in relation to safety, functionality and ergonomics, construction details, regulations, building conditions, safety and sustainability issues and options (costs, time, climate, human inclusion and interaction)

b. Skills

- Research, analysis and synthesis of data and information
- Use of building construction techniques
- Adaptation to new situations.
- Decision making
- Combined options
- Respect for the natural environment

3. Subject Context

An introductory course which allows students to deal with the detailed construction design study of the interior design-built projects. The subject of the course initially deals with the interconnection of the building volumes, with human and the natural environmental conditions, orientation, climate, sunlight availability and solar paths. Furthermore, it deals with the knowledge of the legislative framework and building regulations as well as with building construction schedules and organization. More specifically students analyze and study in detail, the fundamental elements of building construction, architecture and the built environment as whole. (Foundations, floor, wall, openings, stairwell, roof, green roofs, sun exposure, orientation, scale etc.)

The main objective of the course, is for students to learn how to systematically approach and methodically resolve construction application details of buildings, perceiving the materiality of the space as a single condition through which the conception of the central idea begins and the design is implemented. Concepts such as the contribution of natural light to the formation of architectural composition, natural or artificial materials and their specifications, the choice of equipment and structural systems, traditional building methods historically, current building regulations, project planning and digital modeling applications are analyzed. Costructional details and the general structuring of the space are presented and analyzed, as a synthetic problem, centered on human and the natural environment.

The course is organized around the interrelation between theory and design application. In the theoretical part, a series of lectures is given using visual material, where the presented topics are analyzed and discussed with the active participation of the students. Topics include presentations of building and construction details, structural specifications, planning and construction processes, construction elements and fundamentals such as the construction of roofs, floors, stairs and ramps, openings, frames and glazing, masonry and load-bearing elements.

Students prepare design (workshop) exercises (structural details at 1:25, 1:10, 1:5, scale of interior – exterior walls, wall

and façade cladding, structural frames, trusses & roof coverings, floors, false ceilings and staircase designs. Students also work on a complete architectural model study [project], individually. These are discussed analyzed and reviewed weekly while communicated by students through drawing presentations of their work in class periodically. (Interim reviews). Finally, they present all prepared work as a form of portfolio of Work final hand in and participate in written examination of their studies.

4. Teaching and learning methods – Evaluation and Assessment		
- Theory and Design Workshops - Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Theoretical presentations in Class and Visiting Lectures, workshop exercises and the detailed design development phases of the project (project) and structural exercises, with a critical attitude of the public (fellow students / teachers) in the classroom, possibility of improvements.	
Use of Information and Communication Technologies	Weblinks, e-learning uploading of notes, communication via email, zoom meetings, etc.	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Design Workshop and Exerasices	25
	Main Design Project	30
	Total	75
Student assessment	Written Theory Exams Project Model making (Microliving – Structural Volumes & Light) Structural Detail Design Exercises Portfolio Hand in	

5. Recommended Bibliography

- Neufert, Architects Data, John Wiley and Sons Ltd, Fifth Edition, 2019
- Architecture, Form, Space and Order, Francis D.K. Ching, 1996
- Mitchell's, Structure and Fabric, J S Foster, Part 1, 7th Edition, Routledge, 2007
- Mitchell's, Structure and Fabric, J S Foster, Part 2, 7th Edition, Routledge, 2007
- Architecture, Form, Space and Order, Francis D.K. Ching, 1996
- Horst Berger, Light Structures, The Art and Engineering of Structures of light tensile Architecture
- Newman M, Standard structural details for building construction

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA207**	SEMESTER	**2**
SUBJECT TITLE		**Plastic Art II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Excercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK, ENGLISH	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea207/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The expected learning outcomes of the Plastic II course are the development of skills and competencies that STUDENTS acquired from Plastic Art I.
Specifically, the course emphasizes on the evolution of personal idiom and self-expression through exercises of 3D compositions in parallel with theoretical analysis through lectures. Main objective is the different interpretation of a subject individually by each student and the production of work.
The artistic production of forms is based on both the research and the design of 3D forms and their correlation with the architectural and natural space.
Upon completion of the course students:

- will be able to understand the correspondence of scale between public, physical space and 3D forms
- will acquire the necessary skills and abilities to produce 3D forms of different materials and large-scale media
- will be able to acquire theoretical background of analysis and interconnection of plastic language with the architectural and natural space

b. Skills

- Adaptation to new forms of spatial design and their correlation with the architectural scale
- Independent work, group work
- Production of innovative ideas and their correspondence with modern architectural and artistic production

3. Subject Context

The course of Plastics II has as its objective the creation of new forms of spatial design and the production of plastic models in correspondence with the various natural forms and the constructions of the natural and imaginary world.
An important issue of the course is their correlation with the architectural scale and the determination of the human form in the space. The course is developed through practical exercises with the parallel support of theoretical analysis through lectures and examples of topics related to the object of the exercise to be designed.
The aim is to produce innovative ideas and forms, through experimentation and innovation.
Main objective of the course is the use of different materials of texture and composition and their correspondence with the modern architectural and artistic production.
In addition to the creation of plastic forms and models the design and creation of 3D development, perspective, axonometric and virtual placement and adaptation of volumes in public space is required.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops - Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design	Delivery of laboratory work in 3 dimensions- Delivery of work in printed form- Delivery of work in electronic form

Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In.		
Use of Information and Communication Technologies	Theoretical presentations with video projection	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Laboratory exercises	55
	Total	75
Student assesment	Technical evaluation- Degree of approximation with the technical specifications (accuracy of proportions)- Degree of relevance to the topic- Technical skills (perfection of design, ability to print)- Degree of difficulty Artistic evaluation- Original idea (concept), originality of the idea- The consistency of the initial idea with the final form of the object (clarity of subject)- Variety of composition (formalistic performance, oncoplasia, movement, balance, harmony)- Expression (degree of freedom, emphasis and performance)- Consistency, quality and completeness of the final presentation.	

5. Recommended/ Bibliography

- Albers J., (1963), The Interaction of Colour, Pupl. Yale University Press
- Argan G., Carlo B., Oliva A. (2002), Η μοντέρνα τέχνη (1770-1970) & Η τέχνη στην καμπή του 21ου αιώνα SCτάφραση: Παπαδημήτρη Λίνα Σπυριδοπούλου Μαρία, Πανεπιστημιακές Εκδόσεις Κρήτης 2014
- Arnheim R. (1954). Τέχνη και οπτική αντίληψη, Η ψυχολογία της δημιουργικής όρασης. Εκδόσεις Θεμέλιο 1999, Αθήνα
- Frampton K. (2007). Μοντέρνα αρχιτεκτονική, Ιστορία και κριτική. Εκδόσεις Θεμέλιο 2010, Αθήνα
- Gombrich E. H. (1950), Το Χρονικό της Τέχνης, Εκδόσεις MIET (Μορφωτικό Ίδρυμα Εθνικής Τραπέζης)
- Gombrich E. H. (1960), Τέχνη και ψευδαίσθηση, Εκδόσεις Νεφέλη, 1995, Αθήνα
- Itten J. (1973), Τέχνη του Χρώματος, Εκδόσεις ΚείSCνα Εικαστικών Καλλιτεχνών 1998
- Itten J. (1975), Σύνθεση και Μορφή, Εκδόσεις Αντιύλη 2011
- Kandinsky W. (1926). ΣηSCίο-Γραμμή-Επίπεδο, Συμβολή στην Ανάλυση των Ζωγραφικών Στοιχείων, Εκδόσεις Δωδώνη, 1980
- Kandinsky W. (1914), Για το πνευματικό στην τέχνη, Εκδόσεις Νεφέλη, 1981
- Klee P., (1956), Η Εικαστική Σκέψη (Πρώτος Τόμος), Τα Μαθήματα στη Σχολή Μπαουχάουζ. Εκδόσεις Μέλισσα 1989
- Klee P. (1964). Η Εικαστική Σκέψη (Δεύτερος Τόμος), Τα Μαθήματα στη Σχολή Μπαουχάουζ, Εκδόσεις Μέλισσα 1989
- Parramon J. M.(1992). Προοπτική για Καλλιτέχνες, Εκδόσεις Ντουντούμης 2003
- Reed H. (1959). Η Ιστορία της Μοντέρνας Ζωγραφικής, Εκδόσεις Υποδομή 1978
- Κολοκοτρώνης Γ. (2000). Η Τέχνη σε SCτάβαση, Εκδόσεις Νηρέας 2000
- Κοκκορού Αλευρά Γ.(2009), Η Τέχνη της Αρχαίας Ελλάδας, Σύντομη Ιστορία (1050- 50 π.Χ.), Καρδαμίτσα: Αθήνα 2009
- Παπασταμούλης Κ. (2005). Το Σχέδιο και το χρώμα στη ζωγραφική. Εκδόσεις ΙΩΝ, Αθήνα 2005
- Σώτας Δ. (2018). Εκμάγευση και αναπαραγωγή, Εκδόσεις Λευκό SCλάνι, Αθήνα 2018
- Τσινίκας Ν. (1997). Φύση και αεροκατασκευές. Φοιτητικές εργασίες γ κύκλου σπουδών ακαδ. έτους 1996-97, Εκδόσεις University Studio Press, θεσσαλονικη 1997

15.3 3rd Semester Courses

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA301**	SEMESTER	**3**
SUBJECT TITLE		**History of Art and Architecture III - Modernism**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Theoretical exercises	4	6	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea301/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Mastery of the diverse versions of art and architecture of the first half of the 20th century. Understanding polyphony and alternation of tendencies. Recognition of the particular political and social conditions that contribute to the formation of artists' positions and works. Acquaintance with the creators' theoretical perspectives.
At the end of the semester students are expected to:

- comment on works of art and architecture in terms of their formalist elements and historical context
- explain the features of different tendencies/currents of art
- discuss the theoretical interests of individual artists and groups
- point out the dependence of art and architecture on the particularities of time and place
- think critically about the relation of Greek art to European art production

b. Skills

- Contribution of artistic movements to the art of the 20th century
- Aesthetic cultivation from contact with works by great creators.
- Presentation and analysis of the formal and iconographical elements of a work of art or a decorative pattern.
- Promotion of free and creative thinking
- Autonomous work in an interdisciplinary environment.
- Search, analysis and classification of bibliographic historical sources

3. Subject Context

The artistic and architectural creation from the end of the 19th century until the middle of the 20th century. Through the comparative study of the most important works of art and architecture of the European and Greek artistic production of the 19th century, Modernism is examined in relation to the social and political context in which it developed. The Modern Movement is examined as an expression in art and architecture: Futurism, Dandaism, De Stijl, Bauhaus, Constructivism. Surrealism. Abstraction, imagination, rationalism, utopia. The new architecture and the role of the architect in this context (Le Cobusier, Loos, et al.). The International style and the most important representatives of the international architecture and finally the Greek artistic production in the first half of the 20th century with focus on the Generation of the 30s.

4. Teaching and learning methods – Evaluation and assessment	
- Lectures - Site visits - Group Appraisal /Site Analysis - Theoretical Essays and Exercices, both individual and	Face to face teaching & Moodle

team work - Class discussions - Final Written Exams		
Use of Information and Communication Technologies	Powerpoint presentation Use of electronic sources for the documentation of theoretical essays Moodle Elearning platform	
Teaching organization	Lectures & Class discussions	100
	Theoretical Essay & Weekly Assignments	30
	Study and Analysis of Bibliography	20
	Total	150
Student assessment	Final Written Exams Theoretical team essay Weekly assignments Class discussion	

5. Recommended/ Bibliography

- Argan, G.C., Η μοντέρνα τέχνη, εκδ. Πανεπιστημιακές Εκδ. Κρήτης, Ηράκλειο 1998
- Benevolo, L., Η Ιστορικότητα του Αρχιτεκτονικού Έργου, Εκδ. Λιβάνης, Αθήνα.
- Foster H., Krauss R., Bois A., Buchloh B., Η Τέχνη SCτά το 1900, Εκδόσεις Επίκεντρο, 2007
- Hauser, Arnold, Κοινωνική Ιστορία της Τέχνης, εκδ. Κάλβος, Αθήνα, 1980
- Κωνσταντινίδης Α, Τα Θεόκτιστα, Αθήνα 1989
- Le Corbusier, Towards a new architecture, The Architectural Press, London, 1987
- Le Corbusier, Le Modulor, εκδ. Παπασωτηρίου, Αθήνα, 2015
- Μάλεβιτς, Κ., Γραπτά, μτφ. Δ. Χορόσκελης, εκδ. Βάνια, Θεσσαλονίκη, 1992
- Μαρινέττι, Φ. Μανιφέστα του Φουτουρισμού, εκδ. Αιγόκερως, Αθήνα, 1987
- Ντε Μικέλι, Μάριο, Οι πρωτοπορίες της τέχνης του εικοστού αιώνα, μτφ. Λ. Παπαματθεάκη, εκδ. Οδυσσέας, Αθήνα, 1978
- Panofsky, E., Meaning in the Visual Art, ed. Penguin, Xarmodswerth, 1955
- Παπανικολάου, Μ., Ιστορία της τέχνης στην Ελλάδα : ζωγραφική και γλυπτική του 20ου αιώνα, εκδ. Αδάμ, Αθήνα, 1999
- Φιλιππίδης Δ., Νεοελληνική Αρχιτεκτονική, Εκδ. Μέλισσα, Αθήνα 1984
- Φέσσα – Εμμανουήλ Ε., Κτίρια για Δημόσια Χρήση στην Νεότερη Ελλάδα, Εκδ.Παπασωτηρίου, Αθήνα 1993

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA302**	SEMESTER	**3**
SUBJECT TITLE		**History and Theory of Design II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Theoretical exercises	2	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea302/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The purpose of this course is to obtain the cognitive background of the evolutionary course of design, but also of space decoration, in many cases, during the 20th century in Europe and America. This perhaps constitutes the most important period of the evolution and shaping of the institutions, principles and theories in modern industrial design. The historical and theoretical approach of this period, which is combined with wonderful achievements in the history of contemporary art, will reach the beginning of the 21st century with the aim of a more complete knowledge and understanding of modern theories and trends in Design.

b. Skills

After the end of the course students will be able to know:

- The evolutionary course of the industrial object mainly during the important period of the multifaceted 20th century, with special analyzes in specific historical landmarks, but also in the most interesting theories that were developed in Europe and Greece.The contribution not only of the new theories, but also of the political, social and cultural events of the 20th century in the formation of modern Design.
- The application of this knowledge in the interpretation and analysis of modern industrial design, but also in their use in any research field related to the specific era.

3. Subject Context

The subject constitutes a diligent effort to equate not only the basic principles of industrial design as they were formed in that period within the historical, political and social framework of the era, mainly in Europe, but also in America. Its main historical areas are:

- Design in Greece (late 19th and early 20th century)
- Deutsche Werkbund, German Labor Association and its importance
- De Stijl
- The Bauhaus School, its inspirers and Influence on New Industrial Design
- Russian avant-garde
- The concept of Fordism in mass production
- Art Deco and interwar
- International Style
- Italian and Scandinavian industrial design
- The new production trend in America after 1945
- Synthetic materials and their importance
- Craft Revival in the 1970s
- Memphis
- Ettore Sottsass, 1980s
- Modern designers 1990-2000

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops	Face to face

- Theory Essay and Design Exercises		
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	40
	Theory Essay	20
	Research and Analysis of Bibliography	15
	Total	75
Student assessment	Written examination	

5. Recommended/ Bibliography

- Auerbach, J. (1999), The Great Exhibition of 1851, A Nation on Display, London, Yale
- Cambell, J. (1989), The German Werkbund. N. Jersey, Princeton University Press
- Campbell, G. (2006), The Grove Encyclopedia of Decorative Arts (Vol. 1), Oxford, Oxford University Press
- Forty, A. (1987), Objects of Desire, Design and Society (1750-1980), London: Thames & Hudson Ltd. E.
- Greenhalgh, P. (ed.) (2000), Art Nouveau, 1890-1914, London, V & A publications
- Greenhalgh, P. (2005), The Modern Ideal: The Rise and Collapse of Idealism in the Visual Arts from Enlightment to Postmodernism, London, V&A Publications
- ΚερτεSCλίδου, Π.(2021), Η διαλεκτική της καλλιτεχνικής δημιουργίας SC το βιομηχανικό χρηστικό αντικείSCνο, Θεσσαλονίκη, Εκδόσεις Επίκεντρο
- Περιβολιώτου, Μ. (2004), Ρυθμολογία Επίπλου, Εκδόσεις ΙΩΝ, Αθήνα
- ΠαρSCνίδης, Γ. Ρούπα, Ε. (2003), Το Αστικό Έπιπλο στην Ελλάδα 1830-1940, Πανεπιστημιακές Εκδόσεις ΕΜΠ, Αθήνα
- Τσούμας, Ι. (2005), Η Ιστορία των Διακοσμητικών Τεχνών και της Αρχιτεκτονικής στην Ευρώπη και την ASCρική (1760-1914), Αθήνα, Εκδόσεις Ίων.

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA303**	SEMESTER	**3**
SUBJECT TITLE		**History of Art and Architecture II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project, Portfolio of work	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea303/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The historical and theoretical approach of industrial design in the 20th and 21st centuries, which is combined and goes hand in hand with the wonderful achievements in the History of Contemporary Art will reach up to the beginning of the 21st century with the aim of a more complete knowledge and understanding of modern theories and trends in Design.
After the end of the course students will be able to know:

- The evolutionary path of the industrial main object during the also important period of the multifaceted 20th century, with particular in-depth and analyzes on specific, important historical stations, but also on the most interesting theories that were developed during it.
- The contribution not only of the new theories, but also of the significant political, social and cultural events of the 20th century in shaping contemporary Design.
- The application of this knowledge in the interpretation and analysis of modern industrial design, but also in their use in any research field related to the specific era.

b. Skills

- Research analyze and compose structural information by using the necessary technologies
- Use of modern light constructions
- Autonomous work
- Production of new research ideas
- Exercise on criticism and self-criticism
- Application of knowledge in practice

3. Subject Context

This course is an introduction to modern construction logic of the so-called "Lightweight building methods" with the application of light structures, interior partition wallsof plasterboard and other easily used materials and exterior lightweight wall hangings.
The main topics include the analysis of principles and characteristics of lightweight structures, construction methods which due to their materials allow an easy and fast application in the buildings.
The modern construction techniques of interiors are analyzed such as partitions with plasterboard, cement board, suspended ceilings visitable or fixed and flooring. Construction techniques and connection of light constructions with load-bearing structural elements of the building as well as the other installations (electrical, hydraulic, network) are analyzed which adapt to lightweight components.
In the part of laboratory - design studentsare requested to elaborate design issues related to construction details of various interiors through several workshops or exercises.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops - Main Project Brief/ Site visits	Theoretical presentations in Class and Visiting Lectures, workshop exercises and the detailed design development phases of the project (project) and structural exercises, with a critical attitude of the public (fellow students /

<table>
<tr><td>- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In.</td><td colspan="2">teachers) in the classroom, possibility of improvements.</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Lectures with video projections
Theoretical Papers using electronics Sources</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td>30</td></tr>
<tr><td>Design Workshop and Excersices</td><td>20</td></tr>
<tr><td>Main Design Project</td><td>5</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>-</td></tr>
<tr><td>Total</td><td>75</td></tr>
<tr><td>Student assessment</td><td colspan="2">Written Examination
Project Model making
Structural Detail Design Exercises
Portfolio Hand in</td></tr>
</table>

5. Recommended/ Bibliography

- Ernst Neufert, Neufert, Οικοδομική & Αρχιτεκτονική Σύνθεση, 36η, Γερμανική Έκδοση 2000
- Newman M, Standard structural details for building construction
- J. Sobon & R. Schroeder, Η Τεχνική των Ξύλινων Κατασκευών
- Horst Berger, Light Structures, The Art and Engineering of Structures of light tensile Architecture
- Drew Plunkett – Olga Reid, Detail in Contemporary Retail Design
- Horst Berger, Light Structures, The Art and Engineering of Structures of light tensile Architecture

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA304**	SEMESTER	**3**
SUBJECT TITLE		**Interior Architecture III**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	2 4	8	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea304/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The aim of the course is to provide knowledge and skills so that the students can systematically approach and solve methodical and creative synthetic problems of any field related to shops and offices. Through the dialectical relationship between theory and application, the students will:

- be able to follow an analytical and synthetic process with the support of the formation of their ideas (concept)
- be able to select existing patterns and relate them to spatial organization systems and methods
- be able to use design codes and systems correctly
- be able to have general and specialized knowledge of interior design in commercial and office spaces
- be able to control basic technologies and specifications of structural systems depending on the requirements that exist and the choices they make during the process of planning the spaces in question
- have acquired a competent theoretical background in dealing with issues related to identity and the consequent design of commercial and office interiors
- have acquired basic skills in creating and evaluating design concepts linked to the overall concept of the site's identity
- have understood the concept of creativity in the design process, as well as how to develop it
- have gained the ability to develop and publicly support their design choices in their studies
- have acquired critical thinking and discourse

b. Skills

The course is organized in two axes, theory and application. These axes work in unison, with the theory evolving gradually and supporting the implementation part throughout the course. The theory includes lectures by the course instructors as well as visiting teachers. The applied / laboratory part of the course includes laboratory work. Students undertake to study a topic related to the subject of the course. Upon successful completion of the course students will:

- be able to study, methodically, synthetically and creatively, places related to shops and offices
- be able to know and apply the safety rules and regulations concerning the autonomous, equal and safe access and movement of all users in public places
- be able to follow an analytical and synthetic process with the support of the formation of their ideas (concept)
- will have developed their personal creativity
- have acquired the ability to evaluate research results and their composition
- have the opportunity to develop and publicly support their design choices in their studies
- have acquired critical thinking and speech
- have cultivated the spirit of cooperatio

3. Subject Context

Basic principles and methods of design of interiors, within the context of working spaces, office places and shops.
The theory includes lectures with the following topics:

- Historical development, typology and standards of spatial organization of workplaces
- Historical evolution and typology of retail spaces
- Corporate identity and site identity.
- Perceptual organization of space/ Visual composition.

The theoretical part is completed with the elaboration by the students of individual work on a topic related to the subject and is publicly supported on a scheduled date. The applied / laboratory part includes a study (project) that concerns the intervention and the overall synthetic configuration of a space in a specific building shell.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops - Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In.	Face to face	
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	40
	Theory Essay	30
	Design Workshop and Excersices	100
	Main Design Project	
	Research and Analysis of Bibliography	30
	Total	200
Student assessment		

5. Recommended/ Bibliography

- Duffy, F., (1997), The New Office, London, Conran, Octopus
- O' Neil M., (2007) (2nd ed.), Measuring Workplace Performance, New York, Taylor and Francis
- Saval, N., (2014), Cubed: A Secret History of the Workplace, N. York, London, Torondo, Sydney, Auckland, Doubleday

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA201**	SEMESTER	**3**
SUBJECT TITLE		**Color implementation in 3D Space**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 2	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea305/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Systematic tutors of colors in terms of surface, volume and 3Dal space they occur.
Application of chromatography of a structured space through both scientific and artistic methods.
Correlation of chromatography of a structured space with the knowledge of both physics and psychology of color and space.
Students will be able to:

- apply - combine with color hues on the design solution, enriching and giving emphasis at will and whenever is necessary
- experiment on color in 3Dal depiction without prejudice, being aware of both color structure and of their impact to user's psychology and moreover to space functionality
- combine color with material volumes, light, surface, giving to each project an extra amount of clarity and explanation, relying on principles of optical perception
- compose, based on color and develop creative skills, in accordance with a basic factor of art and design process (like color)

b. Skills

- Data analysis and synthesis
- A color conception development of 3Dal space.
- Use of digital technology
- Personal and team project

3. Subject Context

The conception of color in space. The analysis of color in space. The visual conception of colors of the structural and decorating materials. The observation of colors in space.
The historic role of color in decoration. Color in service of images and symbolism of space. The complicity and coherence of color function in an interior space.
Methods and ways of color synthesis selection in space. Processing colors through the final synthesis.
Chromatic study of signs and application in scenography. Basic principles of chromatography of an interior space and of an external surface.
Achromatic and chromatic tones. Quantity allocation of colors in space. Methodology of Chromatic studies. Space colors under natural or artificial light.
Laboratory studies and exercises with chromatic application in 3Dal space, analog and digital depiction of color in space.

4. Teaching and learning methods – Evaluation and assessment	
- Deliver ways	Face to face
Use of Information and Communication Technologies	Presentation through video projection Application of digital reproduction of 3Dal space Programs

Teaching organization	Activity	Semester ECTS
	Lectures	20
	Design Workshop and Excersices	30
	Main Design Project	20
	Portfolio	5
	Total	75
Student assessment	Written examination Laboratory exercises Projects and aggregate Portfolio	

5. Recommended/ Bibliography

- Αργυρίου Ι., Καρβέλλα Ε., Η Φύση και η ΧηSCία του Χρώματος: μια διαθεματική προσέγγιση στο μαγικό κόσμο του χρώματος, Κλειδάριθμος, Αθήνα 2004
- Καπετανίδης Ν., Χρώματα Ζωγραφικής & Αρχιτεκτονικής, Ζήτη, Θεσσαλονίκη 2005
- Gage J., Colour & Meaning, Thames 7 Hudson, London 1999
- Τόσκα Θ., Αρχιτεκτονικό Χρώμα, Εκδ. Κυριακίδη, Θεσσαλονίκη 1989
- Hope & Walch, The Color Compendium, Van Nostrand Reinhold, 1990
- Birren Faber, Light, Color & Environment, Van Nostrand Reinhold, 1982
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA306**	SEMESTER	**3**
SUBJECT TITLE		**3D Digital Architectural Modeling**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 3	4	
TYPE OF SUBJECT		Compulsory - Special Infrastructure Course	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea306/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists of both theoretical and laboratory content. In the theoretical part, a series of injected theoretical presentations related to 3D digital design are made, which are analyzed and discussed with the active participation of the students, either in the design application of the computer, or on blackboard or with the use of multimedia or visual material. In the laboratory part, a series of laboratory exercises for the application of theoretical presentations are performed. Students first prepare individual laboratory exercises and then an individual integrated digital design study. Upon successful completion of the course the student will:

- have knowledge of the basic theoretical concepts and tools of 3D digital design
- know the rules and techniques of transforming 2D models into 3D
- know the ways and limitations of 3D linear - surface and solid modeling
- create, represents and processes 3D architectural models of spaces
- be able to integrate, connect and communicate 3D models with similar environments of other digital design systems
- be able to make computational architectural measurements (areas, lengths, angles, surfaces, volumes, etc.)
- understand the 3D digital design process in relation to the needs of architectural design methodology, thinking and conception
- have the ability to express and communicate his 3D design-synthetic ideas in a digital way
- have a standalone 3D digital design action covering all the design and presentation needs of synthetic and other related workshops
- create a complete detailed 3D model of an architectural space
- draw 3D solid objects
- draw any kind of 3D surface
- perform Boolean operations between design objects
- manage all object views (views, plan, ucs, etc.)
- perform & process 2D and 3D automatic sections of objects
- create light sources
- create, edit and apply photorealistic materials

b. Skills

- Knowledge of analog design methodology at the level of floor plan, facade, section and 3D spatial projections (axonometric, perspective)
- Synthesis of design data and information, using 3D digital applications
- Autonomous work
- Application of theoretical knowledge in practice
- Criticism of both the use and the integration of 3D digital tools in the architectural
- design methodology
- 3D spatial perception

3. Subject Context
The course is an introduction to basic techniques, processes and methods of 3D digital design that digitally support the architectural design methodology and the corresponding 3D spatial projections such as, among others, the axonometric and perspective design. The main objectives of the course are to familiarize students with the topics: 3D digital design of architectural spaces, Contribution to architectural representation and spatial perception, Creation of 3D models as basic components of use and integration in spatial digital interactive applications, integration to other applications with critical thinking and approach to the use of 3D digital tools in the process of architectural design and conception. The course has both theoretical and laboratory character. The theoretical character concerns: preparation - rules and techniques of transformationof 2D models into 3 dimensions, ways and limitations of 3D modeling, linear - surface and solid modeling, processing of 3D models, ways and techniques of 3D model representation, integration - connection and communication of 3D models with corresponding environments of other digital design systems, computational architecturalmeasurements and automations, etc. The laboratory character will relate to architectural and morphological content that will gradually respond to an evolving framework of requirements that will meet both specificexisting educational or laboratory needs of students, as well as techniques, innovative ways of integrating 3D volume compositions into other design platforms. web platforms, satellite imagery, and digital interactive applications on all digital media (PC, Tablet, mobile). As a result, 3D volumes will have a multiple role: a) Contribution to architectural representation and spatial perception and b) 3D models as "cores" of multimedia material to be used to create or integrate into future spatial digital interactive applications. Particular attention is paid to the issue of absolute and comparative sizes of space, to the spatial perception with a critical architectural approach through specificinterventions, ways of digital simulation and comparison of analog and digital representations.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Theory and Design Workshops Theory Essay and Design ExercicesFinal Project	
Use of Information and Communication Technologies	Computer software Multimedia and conventional presentations via PCVideo projection	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	30
	Design Workshop and Excersices	30
	Main Design Project	10
	Research and Analysis of Bibliography	10
	Total	100
Student assessment	Project design and presentation Laboratory examination via PC Digital portfolio organization	

5. Recommended/ Bibliography
• Dally W., & Harging, C., (2017), Digital design, from the systems side. University Publications of Crete, ISBN 978-960-524-445-3, England, translated edition Crete 2017 • Mano, M., Cilleti, M., (2017), Digital design. Papasotiriou Publications, ISBN 978- 960-491-084-7, USA, translated edition Athens, 2017 • Wakerly, J., (2004), Digital Design, Principles and Practices. Key Number

- Publications, ISBN 960-209-728-0, USA, translated edition Athens, 2017
- Kappos, I., (2017), Work with Autocad 2017. Key Number Publications, ISBN 978- 960-461-730-2, Athens 2017
- Omura .G., Benton B., (2016), Mastering AutoCAD 2017 and AutoCAD LT 2017, John
- Wiley & Sons Inc Publications, ISBN 9781119240051, USA 2016
- Dedousis, V., Giannatsis, I., Kanellidis, V., (2015), CAD Systems. SEAB Publications, KALLIPOS, ISBN: 978-960-603-460-2, Athens 2015
- Anthymidis, K., David, K., (2015), Computer Aided Design, Autocad in practice.
- Dissigma Publications 2nd edition, ISBN 978-960-9495-54-7, Athens 2015
- Kouzeleas, St. (2021), Electronic notes, Basic functions of AutoCAD 3D platform
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA307**	SEMESTER	**3**
SUBJECT TITLE		**Visual Composition I**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea307/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The development of visual perception proceeds from conventional representational techniques to contemporary interpretations examining their visual reasoning. Students gain applied knowledge of juxtapositions such as simplification/variety, empty/filled, tonal/color correlations, multiplication/unit flatness/layering experimenting on possible arrangements of visual schemata. Moreover, through a critical review of Greek Traditional Patterns a path of reference to applied design solutions as well as a line of continuation is established between past and present design approaches.

In particular, the students at the end of the semester should be able to:

- discern the characteristic visual qualities in a composition and recognize the techniques that bring unison in a composition.
- handle visual compositions: simplify, transform, multiply elements maintaining the strength and vigor of the whole.
- understand the importance of the ramification of visual qualities/elements in designing a composition
- handle various media in order to present a compositional idea successfully
- design and apply simple ornamental patterns.

b. Skills

- Presenting an original concept
- Problem solving-Adaptation of the concept to a given situation
- Composite analysis
- Critical reasoning
- Deconstruction of given data and Creation of original content
- Application of acquired drawing skills in a new context
- Further development of drawing as a technical skill on various media and a reasoning procedure.

3. Subject Context

The course examines visual composition when applied on 2D decorative surfaces found in objects of interior spaces. The interest in ornamental drawing lies in creating simple repetitive patterns with an understanding of the decorative traditions they refer to. In the required projects of the course this spreads from learning how to simplify/amplify drawing lines, to translating traditional designs and producing a drawing pattern for tiles and tiling decorative solutions.

The contextualization and interpretation of both traditional and classic decorative patterns worldwide establishes a shared base of knowledge and experience that the students acknowledge and appreciate in their semester projects.

While working on the evolution of a simple drawing to a more complex decorative element the students are faced with the challenge to develop new uses for their drawing skills alongside with the development of a contemporary understanding of drawing and pattern making as it is applied today.

4. Teaching and learning methods – Evaluation and assessment

<table>
<tr><td>- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2">Historical presentation and evaluation of decorative patterns
Design Workshop weekly
Final project presentation</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Multi media projection lectures</td></tr>
<tr><td rowspan="5">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Design Workshop and Excersices</td><td>50</td></tr>
<tr><td>Portfolio</td><td>5</td></tr>
<tr><td>Total</td><td>75</td></tr>
<tr><td>Student assessment</td><td colspan="2">Written examination (history and production of patterns)
Delivery of an individual portfolio of laboratory exercises (evaluation criteria: quality and completeness of the execution, consistency)</td></tr>
</table>

5. Recommended/ Bibliography

- Fillipidis D., Decorative Arts in Greek Architecture, Melissa, 1998
- Gombrich E. H., Art and Illusion, Nefeli, Athens 1995
- Grabar, Oleg, The Mediation of Ornament, Princeton University Press, 1992
- Meller, Susan, Elffers, Joost,(eds), Textile Designs: Two Hundred Years of European and American Patterns, Abrams, New York, 2002
- Mumford, Lewis, Art and Technics, Nisides, Thessaloniki, 1997.
- Plaid, Paint Techniques for Home Decorative, Sterlive publishing Co, New Yok, 1997
- Xagoraris, Pantelis, Transformations, Structures and Mediations in Arts, Paratiritis Thessaloniki, 1996
- Sangent W., Colour in nature and Art, Kalvos, Athens 1987
- Trilling, James, Ornament: A Modern Perspective, University of Washington Press, 2003
- Waterman, Ann, Surface Pattern Design: A Handbook of How to Create
- Decorative and Repeat Patterns for Designers and Students, Hastings House Pub, 1984
- Wilhide, Elisabeth (ed), Pattern Design, Thames and Hudson Ltd, London, 2018

15.4 4th Semester Courses

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA401**	SEMESTER	**4**
SUBJECT TITLE		**History of Art and Architecture IV**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	6	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea401/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Acquaintance with the tendencies of art and architecture from the mid-20th to the first two decades of the 21st century. Comprehension of the multidimensional character of contemporary art and of its theoretical background. Awareness of the connection of art choices with current social, political and ideological quests. Understanding of the relationship of art and architecture to diverse institutions. Upon completion of the course students will be able to:

- discern the variety and complexity of post-war tendencies in art and architecture
- recognize the wealth of research and means employed by contemporary art
- perceive the differentiation of post-war art from the artistic expressions of the first half of the 20th century and especially the distinction between avant-garde and neo-avant-garde, modernism and postmodernism
- realize the engagement of art with up-to-date issues of the social life and the public sphere
- follow the debate on contemporary art and architecture, understand feminist and postcolonial approaches, grasp concepts such as center and periphery, globalization and regionalism, commercialization, activism, community

b. Skills

- Contribution of artistic movements to the contemporary art of the 20th and 21st century
- Aesthetic cultivation from contact with works by great creators.
- Presentation and analysis of the formal and iconographical elements of a work of art or a decorative pattern.
- Promotion of free and creative thinking
- Individual and team work in an interdisciplinary environment.
- Search, analysis and classification of bibliographic historical sources

3. Subject Context

The artistic and architectural creation from the Second World War onwards until today. Postmodern Art and Architecture, Phenomenology and Poststructuralism. Critical localism, Deconstruction and Folding

4. Teaching and learning methods – Evaluation and assessment	
- Lectures - Site visits - Group Appraisal /Site Analysis - Theoretical Essays and Exercices, both individual and team work - Class discussions	Face to face & Moodle

- Final Written Exams		
Use of Information and Communication Technologies	Powerpoint presentation Use of electronic sources for the documentation of theoretical essays Moodle Elearning platform	
Teaching organization	Activity	Semester ECTS
	Lectures & Class discussions	100
	Theoretical Essay & Weekly Assignments	30
	Study and Analysis of Bibliography	20
	Total	150
Student assessment	Final Written Exams Theoretical team essay Weekly assignments Class discussion	

5. Recommended/ Bibliography

- Allones (d) O.-R., Μικρή ιστορία της λέξης SCταμοντέρνο, στο συλλογικό Μοντέρνο-SCταμοντέρνο, εκδ. Σμίλη 1988
- Deleuze, G. 2007. The Fold: Leibniz and the Baroque (1988). Transl. T. Conley., Minneapolis, University of Minnesota Press
- Derrida, J. 2004. Dissemination (1972). Transl. B. Johnson.m London, Continuum
- Derrida, J. & Eisenman, P. Chora L Works. Kipnis, J. &Leeser Th. eds. N. Y.,The Monacelli Press
- Foster, H. ed. 1983. The Anti-Aesthetic: Essays on Postmodern Culture, U.S.A., Bay Press
- Foster, H., Bois Y.-A., Krauss, R., Thames & Hudson, Art since 1900, London 2011
- Giedion, S. 1971. Space, Time And Architecture: The Growth of a New Tradition (1941) Oxford, Oxford University Press
- Heidegger, M. 1986. Η προέλευση του έργου Τέχνης, Αθήνα, Δωδώνη
- Jencks, C. 1977. The Language of Post-modern Architecture. London, Academy Eds
- Koolhaas, R., Delirious New York, Monacelli Press, 1994
- Krier, R. 1979. Urban Space. Foreword by Colin Rowe. London, Academy Editions
- Leach, N. ed. 1997. Rethinking architecture. London, Routledge
- Lyotard, J.-F. Defining the Postmodern. In: Appignanesi, L. ed. 1986. ICA Documents 4. London, The Institute of Contemporary Arts
- Lucie-Smith, E., Movements in art since 1945, ed. Thames and Hudson, London, 1993
- Pevsner, N. 2005. Pioneers of Modern Design: From William Morris to Walter Gropius (1936). Intr. R. Weston. Yale: Yale University Press
- Τάτλα, Ε., Leibniz εναντίον Descartes: από τη Μοντέρνα αρχιτεκτονική στην αρχιτεκτονική της Πτύχωσης, άρθρο δημοσιευμένο στο περιοδικό: Χρονικά Αισθητικής, εκδ. Ίδρυμα Μιχελή, 2010, τόμος 45/2009-2010, σσ. 105-137
- Tschumi, B. 1996, Architecture and Disjunction. Cambridge, Massachusetts, The MIT Press
- Salat, S. 1987, Deconstruction de l'espace occidental και Les fragments du monde classique, περ. L'Architectured'Aujourd'hui, No. 250/1987

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA402**	SEMESTER	**4**
SUBJECT TITLE		**Interior Architecture IV – Educational Environments**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	6	8	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea402/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The aim of the design is the configuration of spaces that will serve the educational needs, but will also respond to the measures of the children's age. Particular attention is paid to familiarizing students with the management and use of a wide range of design tools and media that focus on the use of working prototypes aiding synthetic concept development. In addition, students acquire skills of connecting interior space with exterior space, in a holistic design of educational environments.

The course is expected to contribute in:

- understanding the synthetic peculiarities of the educational space
- handling space in order to serve an educational program
- understanding the importance of connections between interior and exterior educational space
- handling design tools and representation techniques

Through their participation in the course, the students will:

- practice design of educational space based on a learning orientation
- explore spatial requirements in relation to the specific age needs of the users
- develop their skills regarding handling of design tools and representational techniques
- practice a research approach of architectural design

b. Skills

- Research, analysis and synthesis of data and information, using the necessary technologies
- Decision making
- Autonomous work
- Exercise criticism and self-criticism
- Promoting free, creative and inductive thinking
- Applying knowledge in practice

3. Subject Context

The course deals with the design of educational spaces.

The course aims at the theoretical support of design, the education of students in the research process and the development of critical thinking, the cultivation of their potential for the development of their synthetic ability in the design of educational spaces and finally the implementation of a perfect design presentation and promotion. their proposal.

In the theoretical part, a series of lectures is organized in modules on a thematic axis which covers the problems, goals and requirements that the design of a modern educational space must meet.

At the same time, the design workshop part, includes an exercise or application architectural design exercises related to the operation on a specific shell, with the aim of reforming it to meet the needs of a given educational program.

4. Teaching and learning methods – Evaluation and assessment

<table>
<tr><td>- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Learning process support through the electronic platform e-class (information and teaching material, hyperlinks, academic libraries, etc.)</td></tr>
<tr><td rowspan="6">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>40</td></tr>
<tr><td>Theory Essay</td><td>30</td></tr>
<tr><td>Design Workshop and Excersices
Main Design Project</td><td>100</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>30</td></tr>
<tr><td>Total</td><td>200</td></tr>
<tr><td>Student assessment</td><td colspan="2">Theory Essay
Design Exercises
Design Project Presentation
Portfolio Hand in</td></tr>
</table>

5. Recommended/ Bibliography

- The Dynamics of Architectural Form, Rudolf Arnheim, University of California Press, 1977
- Architecture, Form, Space and Order, Francis D.K. Ching, 1996
- The Poetics of Space, Gaston Bachelard, Penguin Books, 2014
- Elements of Architecture: From Form to Place 1st Edition by Pierre von Meiss, E &FN Spon, 1996
- Manual of Graphic Techniques 4, Porter & Goodman, ButterWorth Architecture, 1990
- Modern Architecture: A Critical History, Kenneth Frampton, 1980
- Towards a New Architecture, Le Corbusier, Dover Publications, 1985
- The Architecture of the City , Aldo Rossi, Oppositions Books, 1982
- Complexity and Contradiction in Architecture, Robert Venturi, 1977
- Rem Koolhaas- Elements of Architecture, Taschen, 2018
- Jun'ichiro Tanizaki, In Praise of Shadows, An essay on Aesthetics, Vintage, 2001
- Herman Hertzberger, Lessons for Students in Architecture, NAI Publishers, Rotterdam, Netherlands, 7th edition, 2017

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA403**	SEMESTER	**4**
SUBJECT TITLE		**Furniture Design I**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures Design Workshops/Exercises	1 2	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea403/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Upon successful completion of the course, students will have acquired the following skills/abilities:

- Determination of conceptual, utilitarian, and aesthetic function in furniture design.
- Design with the aim of developing specific construction typologies with an emphasis on dry connections.
- Simplicity, utility, suitability and aesthetics of the furniture. The understanding of dynamism and organic coherence is attempted to be captured through design.
- Synchronization and matching of design concepts in the interior space.
- Morphogenetic principles and hierarchical integration of furniture.
- Primary elements, sawn wood, polymer-pp,pvc,pe, wood sheets, artificial wood, anti-adhesive, fibreboard, chipboard, etc. wood accessories, metal to be specified. Analysis of furniture design methodology in all phases: construction techniques, assembly-connections, prototype production.

b. Skills

- Manufacturing and design methodologies
- Designing and evaluating design ideas in furniture design
- Creativity in the furniture design process and how to develop it

3. Subject Context

The furniture design during the manufacturing process, the mechanical, physical and chemical properties of the materials (mainly for wood, metal, plastic, fabric, paper, glass, etc.) are analyzed.
The students study techniques of traditional construction as well as of the latest technology.
The design process is supported by specific design software.
The design is connected to its construction through 3D printing, etc.

4. Teaching and learning methods – Evaluation and assessment		
- Theory Design Workshops - Theory Essay and Design Exercises		
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Design Workshop and Excersices	50
	Main Design Project	15
	Total	75
Student assessment	Theory Essay Main Design Project	

5. Recommended/ Bibliography
• Dictionary of 20th century design and designers, Thames & Hudson, London 2003 • Field C & P, (2007), Design now, Tachen. • Marzona D. (2003), Conceptual art, Tachen • Hesket J. (1987), Industrial design, Thames & Hudson, London

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA404**	SEMESTER	**4**
SUBJECT TITLE		**Industrial Design I**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea404/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The main objective of the course is to provide the necessary knowledge to solve design problems and design enhancements of parts in order to maximize the benefit of the end user as well as the manufacturer.
After the successful completion of the course, students are expected to be able to:

- understand the role of the industrial designer and his goals
- express their ideas quickly and clearly using free sketches
- know the skills that an industrial designer must develop
- design technical drawings various products
- cope with design and construction applications

b. Skills

- Student assessment
- Exercise criticism and self-criticism
- Understanding of construction technique
- Understand the concept of assembling an object
- Promoting the creative thinking
- Application of knowledge in practice

3. Subject Context

History of Design. Design Theories. Process of designing and manufacturing products from the idea in the model, in the final sample, in production.
Production machines and their effect on the final form of user & decorative products. The rationalization of labor in mechanical production and the birth of modern industry. Entry of art into industry with consequence of the art industry.
The system and methodology in modern industrial formatting. The recognition of the identity of the industrial product in the consumer act.
The mission and meaning of design management. The role of the industrial designer in modern decoration.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face

Use of Information and Communication Technologies	Lectures with video projections Theoretical Papers using electronics Sources	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	
	Design Workshop and Exercises	20
	Main Design Project	35
	Research and Analysis of Bibliography	
	Total	75
Student assessment	Exercises in industrial design Exams Project	

5. Recommended/ Bibliography

- Κουζέλης Α., Στοιχεία Βιομηχανικού Σχεδιασμού και Μορφοδοσίας Προϊόντων Χρήσης, Αθήνα 2008
- Thackara J., Design after Modernism, 1992
- Pile J., Dictionary of 20th Century Design, 1990
- Pile J., Design, Purpose and Meaning, 1979
- Πολλάλης Γ., Πατρινός Δ., Βιομηχανικό Marketing, 1999
- ΕΛΟΤ, Γενικός Κανονισμός Πιστοποίησης & Διασφάλισης Ποιότητας, Αθήνα 1993
- R. Fyrno-Jordan, History of Architecture, Eleni G. Sarafidou Publications & CO. EE, 1981

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA405**	SEMESTER	**4**
SUBJECT TITLE		**3D Depiction of an Architectural Project Plastic Model**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea405/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Students are required to model a mock-up at a specific scale of a decorative design piece from a previous semester. The transfer from drawing to actual textures will give them an augmented presentation of the design with a scale analogy to their presentation of their idea.

Upon the successful completion of the course, students will:

- be able to approach construction options in the design of a pre-piece.
- be able to identify the materials used in the construction of the model and the methodology for the construction of each type of model with an emphasis on architectural-decorative interior modeling
- have become familiar with the concept of a construction schedule
- be able to classify the ways of applying different materials to the textures and colour of individual structures: walls, floors, ceilings, openings, furniture, cladding, fittings, equipment, natural environment, elevations and landforms

b. Skills

- Application of knowledge in practice
- Autonomous work
- Adaptation to new situations and technologies, with the aim of the reverse process
- Understanding the transfer from two-dimensional to 3D space
- Familiarity with constructional thinking
- Adaptation to a new way of presenting an architectural project (its construction preform-minge of an interior design theme that has studied design in a previous semester)
- Approach to the process of material selections in relation to their aesthetic quality, the properties, behavior, processing, and relevance of its performance design proposal.
- Flexibility of decision-making
- Time planning of construction works of the preform
- Completion of the decorative presentation of the project

3. Subject Context

Plastic Model Construction of a model. Materials of the model, possibilities of each material, their use depending on the subject. Methodology of construction of each type of model. Architectural model of interior space, model of furniture, model of utility or decorative object. Ways of applying the different materials in the exercises (form, color, connection). Analyzes of the individual structures: masonry, floors, ceilings, openings, furniture, investments, equipment, natural environment, altitudes and landscaping. The finishing and coloring of the plastic model. The assembly and the final general control for the presentation.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project	

<table>
<tr><td>Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Lectures with video projections
Theoretical Papers using electronics Sources</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td></td></tr>
<tr><td>Design Workshop and Exercises</td><td>30</td></tr>
<tr><td>Main Design Project</td><td>40</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>10</td></tr>
<tr><td>Total</td><td>100</td></tr>
<tr><td>Student assessment</td><td colspan="2">Project</td></tr>
</table>

5. Recommended/ Bibliography

- Διαμόρφωση εσωτερικών χώρων - Διαχωριστικοί τοίχοι, ψευδοροφές, Meyer - Bohe Walter
- Le Modulor, Επίτομη Εκδοση, Le Corbusier
- Οικοδομική & Αρχιτεκτονική Σύνθεση, 39η Γερμανική Έκδοση, Ernst Neufert
- Dally W., & Harging, C., (2017), Ψηφιακή σχεδίαση, από τη πλευρά των συστημάτων, Πανεπιστημιακές Εκδόσεις Κρήτης, ISBN 978-960-524-445-3, Αγγλία, SCταφρασμένη έκδοση Κρήτη 2017
- Mano, M., Cilleti, M., (2017), Ψηφιακή σχεδίαση. Εκδόσεις Παπασωτηρίου, ISBN 978-960-491-084- 7, ΗΠΑ, SCταφρασμένη έκδοση Αθήνα, 2017
- Wakerly, J., (2004), Ψηφιακή σχεδίαση, Αρχές και πρακτικές. Εκδόσεις Κλειδάριθμος, ISBN 960-209- 728-0, ΗΠΑ, SCταφρασμένη έκδοση Αθήνα, 2017
- Κάππος, Ι., (2017), Δουλέψτε SC Autocad 2017. Εκδόσεις Κλειδάριθμος, ISBN 978-960-461-730-2, Αθήνα 2017
- Omura .G., Benton B., (2016), Mastering AutoCAD 2017 and AutoCAD LT 2017. Εκδόσεις John Wiley & Sons Inc, ISBN 9781119240051, ΗΠΑ 2016
- Δεδούσης, Β., Γιαννατσής, Ι., Κανελλίδης, Β., (2015), Συστήματα CAD. Εκδόσεις ΣΕΑΒ, ΚΑΛΛΙΠΟΣ, ISBN: 978-960-603-460-2 , Αθήνα 2015
- Ανθυμίδης, Κ., ΔΑΣίδ, Κ., (2015), Σχεδίαση SC Η/Υ, Το Autocad στην πράξη. Εκδόσεις Δίσιγμα Β’ έκδοση, ISBN 978-960-9495-54-7, Αθήνα 2015
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA406**	SEMESTER	**4**
SUBJECT TITLE		**Architectural Conception with Computers I**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 2	3	
TYPE OF SUBJECT		Compulsory - Special Infrastructure Course	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea406/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists of both theoretical and laboratory content. In the theoretical part, aseries of injectable theoretical presentations are made, which are analyzed and discussed with the active participation of the students, either in multiple computer design applications, or on blackboard or with the use of multimedia or visual material. In the laboratory part, a series of laboratory exercises for the application of theoreticalpresentations are performed. Students first prepare individual laboratory exercises andthen an individual integrated digital design study.

Upon successful completion of the course the students will:

- have knowledge of advanced theoretical concepts (vector, pixel mapping, scale analysis, image, resolution, color models, design system interfaces, etc.) and multiple digital design and editing tools;
- be able to select a custom digital design environment in relation to its architectural composition and highlighting of its elements,
- be able to communicate design content in different digital design systems
- be able to involve and connect different methods of digital representation of an architectural project.

b. Skills

- Knowledge of 3D digital design
- Architectural Design
- Synthesis of design data and information, using multiple digital applications
- Autonomous work
- Application of digital design theoretical concepts in different digital design environments
- Spatial perception
- Criticism of both the use and synthesis of digital tools in the service of the synthetic process architecture.

3. Subject Context

It is the evolution of the course "3D digital modeling of architectural work" at both theoretical and laboratory level. The course delves into issues of digital design application in architectural composition and construction with a critical architectural thinking and concept. The tools of 3D digital design and representation are adapted to the needs of the architectural concept and become the means of support, assistance and highlighting of all aspects of the architectural project (aesthetic, functional, construction).

The theoretical approach is related to the concepts of vector and mosaic imaging, scale analysis, digital mapping and corresponding transformations as well as complementary digital design systems, while emphasizing interfaces, relationships and communication between them for their final application in processes. architectural conception in various 3D digital modeling environments.

The laboratory approach is related to the design, location, organization of architectural elements that will adapt and critically integrate the capabilities of digital tools, choosing the appropriate digital design environment and taking into account both the morphological-decorative, functional and structural-structural issues that the respective design environment or tools highlight in the most customized way.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Theory and Design Workshops Theory Essay and Design ExercicesFinal Project Portfolio	
Use of Information and Communication Technologies	Computer sofware Multimedia and conventional presentations via PCVideo projection	
Teaching organization	Activity	Semester ECTS
	Lectures	15
	Theory Essay	20
	Design Workshop and Excersices	20
	Main Design Project	10
	Research and Analysis of Bibliography	10
	Total	75
Student assessment	Theoretical written examination Architectural composition - project via PCLaboratory examination via PC Digital portfolio organization	

5. Recommended/ Bibliography

- Demiri, K., Lahana, N., Louizidis, M., (2002), Introduction to the architectural composition I. University Publications NTUA, ISBN 9789602546116, Athens 2002
- Kapopoulos A., (2006), Architectural composition. Polytropon Publications, ISBN 9789608354562, Athens 2006
- Neufert E., (2010), Building and architectural composition. Giourdas Publications, ISBN 9789605126131, Germany, translated edition Athens 2010
- Littlefield D., (2014), Architectural composition. Publisher Key Number, ISBN 9789604614516, England, translated edition Athens 2014
- Papaioannou T. 2015, Thoughts on Architectural Composition, Indictos Publications, Athens
- Vrychea Ά. 2003, Housing and residence / Exploring the limits of architecture, Hellenic Letters Publications, Athens
- Dally W., & Harging, C., (2017), Digital design, from the systems side. University Publications of Crete, ISBN 978-960-524-445-3, England, translated edition Crete 2017
- Mano, M., Cilleti, M., (2017), Digital design. Papasotiriou Publications, ISBN 978- 960-491-084-7, USA, translated edition Athens, 2017
- Wakerly, J., (2004), Digital Design, Principles and Practices. Key Number Publications, ISBN 960-209-728-0, USA, translated edition Athens, 2017
- Kappos, I., (2017), Work with Autocad 2017. Key Number Publications, ISBN 978- 960-461-730-2, Athens 2017
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- Wiley & Sons Inc Publications, ISBN 9781119240051, USA 2016
- Cline L., (2014), SketchUp for Interior Design. John Wiley & Sons Inc Publications, ISBN 9781118627693, USA 2014
- Schreyer A., (2016), Architectural Design with SketchUp. John Wiley & Sons Inc Publications, ISBN 9781118978818, USA 2016
- Brightman M., (2013), The SketchUp Workflow for Architecture. John Wiley & Sons Inc Publications, ISBN 9781118290149, USA 2013
- Chopra A., (2014), Sketchup 2014 For Dummies. John Wiley & Sons Inc Publications, ISBN 9781118822661, USA 2014

- Dedousis, V., Giannatsis, I., Kanellidis, V., (2015), CAD Systems. SEAB Publications, KALLIPOS, ISBN: 978-960-603-460-2, Athens 2015
- Anthymidis, K., David, K., (2015), Computer Aided Design, Autocad in practice, Dissigma Publications 2nd edition, ISBN 978-960-9495-54-7, Athens 2015
- Kouzeleas, S. (2021), Electronic notes on Digital design sofware.
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA411**	SEMESTER	**4**
SUBJECT TITLE		**Textile (fabric)**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises	3	3	
TYPE OF SUBJECT		Compulsory Elective	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea411/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

A study of textile decoration through both traditional and contemporary ways of dyeing.
Historic development of fabric decoration.
Knowledge of materials. Free, stable and recurrent design. Techniques of industrial design. "Batik","Weaving" and "Tapisserie".
Use of fabrics in interior space.
Students will be able to:

- apply to their design ideas, their knowledge of garment characteristics (Greek or no), creating with realism and in terms of true material market circumstances
- distinguish in every synthesis or creative challenge the textures and endurance of each garment material or furniture covering and according to this, to propose either its replacement or maintenance
- acknowledge except for the chromatic and aesthetic potential of every garment, the specificity of each material, therefore they will have the opportunity to propose solutions and cushioning with a multi plural awareness of design circumstances

b. Skills

- Isolation techniques, dyeing and fabric decoration.
- Introduction in industrialization of dyeing methods of isolation and in industrial chromatic textile decoration. Materials and techniques.
- Historic development, application in space and human.
- Fabric application in interior space, tapestries, curtains.

3. Subject Context

Fabrics and pigments. Textile methodology through basic isolation techniques. Design and techniques: Stamping, Stencil, air brush, stamped, traditional and industrial batik, tappiserie, textiles. Contemporary techniques, methods and applications. Designs of industrial production fabric with multiple implementation to both space and human. Executing with industrial dyeing and decorating fabric techniques. Contemporary methodology of fabric design and application with the aid of a Computer.
Application of fabrics in space.

4. Teaching and learning methods – Evaluation and assessment		
Deliver ways	Face to face	
Use of Information and Communication Technologies	Presentation through video projection Digital research of bibliography, projects, digital presentation of fabric applications in space.	
Teaching organization	Activity	Semester ECTS
	Lectures	25
	Design Workshop and	50

	Excersices	
	Total	75
Student assessment	Written examination Laboratory exercise	

5. Recommended/ Bibliography
• Περιβολιώτου Μ., Η Τέχνη του Υφάσματος Ι, Εκδόσεις Ιων, Αθήνα 2007 • Περιβολιώτου Μ., Η Τέχνη του Υφάσματος ΙΙ, Εκδόσεις Ιων, Αθήνα 2007 • Πιτυκάκης Μ., Η Υφαντική Τέχνη στην Κρήτη, Εκδόσεις Αμάλθεια, 1980 • Τζαχίλη Ι., Υφαντική και Υφάντρες στο Προϊστορικό Αιγαίο 2000-1000 π.Χ. Πανεπιστημιακές Εκδόσεις Κρήτης 1997 • Thames 7 Hudson, Dyes and Fabrics, London 2001 • Hatch K., Textile Science • Barber E.J.W., Prehistoric Textiles. The Development of Cloth in the Neolithic and Bronze, Ages, Princeton University Press, Princeton 1991 • Kafka F., The Hand Decoration of Fabrics • Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA412**	SEMESTER	**4**
SUBJECT TITLE		**Ceramic Art**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures and Workshops/Exercises	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea412/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

In the Ceramics Art Course, with lectures and laboratory exercises, the aim is to train in the traditional techniques of Ceramics through the production of visual art works on the one hand and decorative compositions and objects on the other. The purpose of the Course is the study and search of plastic forms in combination with the knowledge of the basic values and techniques of Ceramic Art.

Students will be able to:

- acquire skills in the use of different Ceramic tools and techniques
- can apply their knowledge of morphoplastic structures in relief and 3D plastic models
- know Ceramic materials and their properties
- understand the timeless importance of ceramics in decoration, with large and small-scale works and they can propose a decorative object or composition according to the style of the space
- understand the communication of the prominent (3-dimensional) visual or decorative object with the space
- create an original visual Ceramics composition
- design and propose decorative items that can be mass produced

b. Skills

- Study of raw materials and masses
- Study and application of various techniques (wheel, pressed, embossed, cast, mats), and styles (glazing, enamel, oxides, mixtures, fire colors)
- Tests
- Study of baking stages (single and double)
- Precise form design, transfer to plaster model, molds, cast, color tests
- Research and proposal design
- Complete presentation of the proposal (industrial design) for production in industry

3. Subject Context

Manufacture of ceramic art molds (utility objects, decorative, surface tiles). Raw materials. Composition & mixing of raw materials. Tests at baking. Materials & techniques: faience, booties, oxides, glazing, fire colors, special clays, Gres, stoneware, porcelain. Applications on surfaces with decorated tiles or embossed compositions. Planning and suggestions for new ceramic forms. Aesthetics of the ceramic form ("unique" creations or production of multiple ones).

4. Teaching and learning methods – Evaluation and assessment		
- Method of course delivery	Face to face and Workshops/Exercises in Visual arts lab-studio	
Use of Information and Communication Technologies	Video presentations, digital search for project literature bibliography	
Teaching organization	Activity	Semester ECTS
	Lectures	25
	Workshop individual or group	50

	exercises	
	Total	75
Student assessment	Written examination Laboratory-studio Work	

5. Recommended/ Bibliography
• Αραπάκη Ξ., Διδακτική της κεραμικής Τέχνης, εκδ. Ίων 2014 • Mattisson S., Κεραμική: Δύο Βιβλία σε Ένα, Εκδ. Ιων, Αθήνα 2001 • Υαλώματα Κεραμικής, Έκδοση Κέντρου Αργυλόμαζας Α.Ε. Αθήνα 2005 • Constant C., Ogden S,. Η Παλέτα του Κεραμίστα, Εκδ. Ιων, Αθήνα 2000 • Scheibler I., Ελληνική Κεραμική, Εκδ. Καρδαμίτσα, Αθήνα 1992 • Ταρκάσης Κ., Clay in Art, Εκδ. Κεραμική Τέχνη, τόμοι 2006, 2007, 2008 • Lane P., Ceramic Form – Design & Decoration, Publ. Rizzoli, New York 2002 • Παντελής Δ., Μη SCταλλικά Τεχνικά Υλικά, Εκδ. Παπασωτηρίου, Αθήνα 1996 • Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA413**	SEMESTER	**4**
SUBJECT TITLE		**Special Visual Art Themes**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory Elective	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea413/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

After guiding the topic, students begin to record and present the evolution of a synthetic idea - script using exclusively digital data formats and video capture. The recording focuses on capturing the environment in which the subject of the subject is included, on the activity of evolution of its form and on the presentation of the audiovisual characteristics of the object. Students use digital multimedia design and recording as a creative tool for studying form and composition. What is required is a single organized visual presentation. This work will also greatly help students in their further development in digital media management and in improving their future presentations with audiovisual media.
After the end of the course, students will be able to create videos through a variety of digital media at their disposal, resulting in being able to fully express the expected topic. Interaction, script - idea, atmosphere, sound, color and even emotion are issues that merge smoothly into the final result to be considered even.

b. Skills

- Creative script and design process - Decision making
- Problem solving by applying known data in new conditions
- Synthetic ability
- Analysis and re-synthesis of data into new content.
- Recognition and utilization of possibilities in known and new skills.
- Individual work and self-criticism
- Search, analyze and synthesize data and information, using the necessary technologies
- Production of new research ideas
- Exercise criticism and self-criticism
- Promoting free, creative and inductive thinking
- Application of knowledge in practice

3. Subject Context

Introduction to the aesthetic, technical and cognitive possibilities of digital animation (different forms of video), through theoretical documentation - analyzes and examples from around the world. The search for personal, experimental ways of using and editing digital video is sought. Basic concepts of the language of animation are discussed as well as works from the history of video art, photography, animation and cinema.
The topics of the course include the development of linear and non-linear scenarios, video and audio capture, digital editing, the internet as a distribution and exhibition space.
The course is conducted with lectures, presentations and work reviews.
In the course presentations reference is made to: Historical development, types and applications of multimedia.
Stages of production process from the initial idea to the final product. Interactive storytelling. Scenario, design of hyperlinks and communication environment (interface). Creative use of iconographic and audio elements. Data management and file processing. Modern trends in multimedia configuration. Also during the courses are presented various programs such as Adobe Premiere, movie maker, video recorder, Photoshop, Decoders etc. for the immediate practice of the students in the above subjects but also for the parallel correction of their subjects.

<table>
<tr><th colspan="3">4. Teaching and learning methods – Evaluation and assessment</th></tr>
<tr><td>- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2">Delivery of work in printed form
Delivery of work in electronic form</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Lectures with video projections.
Learning process support through electronic platform e-class (informational and teaching materials, hyperlinks, academic libraries, etc.)</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td>10</td></tr>
<tr><td>Design Workshop and Excersices</td><td>20</td></tr>
<tr><td>Main Design Project</td><td>15</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>10</td></tr>
<tr><td>Total</td><td>75</td></tr>
<tr><td>Student assessment</td><td colspan="2">The theoretical work
Evaluation criterias:
• Completeness
• Critical Thinking
• Scientific writing
The study (project)
Evaluation criterias - Artistic evaluation :
• The original idea (concept), originality of the idea
• The consistency of the initial idea with the final form of the object (Clarity of subject with object)
• The Wealth of composition (formalistic performance, shape, motion, balance, harmony)
• The Expression (degree of freedom, emphasis and its performance)
• Depth of research and utilization of data of experimentation of new methods
• Creativity and originality
• Personal expression and its correct illustration
• Quality and completeness of the design
• Application of theoretical knowledge in practice
• Consistency in its implementation schedule
• Presentation</td></tr>
</table>

5. Recommended/ Bibliography

- Arnheim R. (1954), Τέχνη και οπτική αντίληψη, Η ψυχολογία της δημιουργικής όρασης, Εκδόσεις Θεμέλιο 1999, Αθήνα
- Frampton K. (2007), Μοντέρνα αρχιτεκτονική, Ιστορία και κριτική, Εκδόσεις Θεμέλιο 2010, Αθήνα
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- Gombrich E. H. (1960). Τέχνη και ψευδαίσθηση, Εκδόσεις Νεφέλη, 1995, Αθήνα Klee P. (1956)
- Η Εικαστική Σκέψη (Πρώτος Τόμος), Τα Μαθήματα στη Σχολή Μπαουχάουζ. Εκδόσεις Μέλισσα 1989
- Klee P. (1964). Η Εικαστική Σκέψη (Δεύτερος Τόμος), Τα Μαθήματα στη Σχολή Μπαουχάουζ, Εκδόσεις

Μέλισσα 1989
- Trilling, James, Ornament: A Modern Perspective, University of Washington Press, 2003
- Sanders M. (2010), Τεχνολογία Επικοινωνιών, Ευγενίδιο Ίδρυμα. Διαδραστικό βιβλίο, Σύνδεσμος, http://ebooks.edu.gr/modules/ebook/show.php/DSGLB110/93/737,2748/
- Waterman, Ann, Surface Pattern Design: A Handbook of How to Create Decorative and Repeat Patterns for Designers and Students, Hastings House Pub, 1984. Wilhide, Elisabeth (ed), Pattern Design, Thames and Hudson Ltd, London, 2018
- FREELAND CYNTHIA, ΜΑ ΕΙΝΑΙ ΑΣΤΟ ΤΕΧΝΗ;. ΠΛΕΘΡΟΝ 2010, ISBN-13: 9789603481416
- GOMBRICH HANS-ERNST., ΤΕΧΝΗ ΚΑΙ ΨΕΥΔΑΙΣΘΗΣΗ ΣΧΛΕΤΗ ΓΙΑ ΤΗΝ ΨΥΧΟΛΟΓΙΑ ΤΗΣ ΕΙΚΑΣΤΙΚΗΣ ΑΝΑΠΑΡΑΣΤΑΣΗΣ, ΠΑΤΑΚΗΣ 2018, ISBN-13: 9789601679846
- Gombrich E. H., Τέχνη και Ψευδαίσθηση, Νεφέλη, Αθήνα 1995
- Αντωνιάδης Κ. (2002), Γραφιστική- Τόμος Β΄-Γραφιστική- Φωτογραφία, ΕΑΠ, Πάτρα 2002
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- Καρακασίδης, Ν., Αθυμαρίτου, Φ. (2002), Τεχνολογία Γραφικών Τεχνών: Βιβλιοδεσία Συσκευασία, ΕΑΠ, Πάτρα
- ΠΑΠΑΙΩΑΝΝΟΥ ΤΑΣΗΣ, ΣΚΕΨΕΙΣ ΓΙΑ ΤΗΝ ΑΡΧΙΤΕΚΤΟΝΙΚΗ ΣΥΝΘΕΣΗ,ΙΝΔΙΚΤΟΣ 2015, ISBN-13: 9789605184339
- Πολίτης Α. (2013), Η Σταδιοδρομία στις Εφαρμοσμένες και τις Εικαστικές Τέχνες
- Εκδήλωση ΔΑΣΤΑ ΕΑΠ: Αίθουσα Τέχνης ΙΑΝΟΣ - 15 Ιουνίου 2013, Αθήνα, Σύνδεσμος, http://dasta.eap.gr/files/ianos/pdf
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- Σάσα Λαδά, ΚΑΤΟΙΚΙΑ: ΣΧΕΔΙΑΖΩ, ΚΑΤΑΣΚΕΥΑΖΩ, ΣΚΕΠΤΟΜΑΙ. UNIVERSITY STUDIO PRESS 2015, ISBN: 978-960-12-2232-5

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA414**	SEMESTER	**4**
SUBJECT TITLE		**History of Art and Architecture II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory Elective	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea414/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The expected learning outcomes of the subject are the development of students' cognitive and technical skills in space, design using intelligent technologies, tools and materials. In addition basic aim of the subject is the understanding of the basic characteristics of modern design materials with references to information, communication, accessibility and environment. A key parameter of the course is the understanding of intelligent environments and design technologies with the parallel aesthetic upgrade of space.

With the completion of the course students will be able to:

- acknowledge different materials of texture and composition, as well as the necessary tools that are needed to implement an intelligent design
- create/recognize the modern technologies that are necessary in the implementation of innovative ideas
- acquire the theoretical background of analysis and interconnection of intelligent design with architecture

b. Skills

- Adaptation to new design forms through different programs and media
- Autonomous work
- Search, analysis and synthesis of data and information, using the necessary technologies
- Production of new innovative ideas and their relationship with architectural and artistic production

3. Subject Context

The theory of intelligent design, refers to the cause of the creation of universe but also of life itself.

Smart Design Systems has as its basic structure the introduction of students in matters of intelligent and innovative systems and design materials.

Especially in modern times, understanding the basic characteristics of modern materials and media with references to information, communication, accessibility and the environment are key design parameters.

Main purpose of the subject is to understand intelligent environments and design technologies with the parallel aesthetic upgrade of the space.

At the same time, internet dissemination has allowed the creation of a large number of digital applications, highlighting the example of intelligent design as a dominant development model.

The course is developed through Case Study Exercises with the parallel support of theoretical analysis through lectures and presentations that are based upon search, analysis and synthesis of data and information.

Main objective of the course is to get acquainted with new technologies and analog forms of smart design such as: Special designs for the disabled, systems, information systems, energy management systems, environment management systems.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits	Face to face Delivery of work in printed form Delivery of work in electronic form

<table>
<tr><td>- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Supporting the learning process by using new technologies, electronic communication with students</td></tr>
<tr><td rowspan="5">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td></td></tr>
<tr><td>Design Workshop and Excersices
Main Design Project</td><td>35</td></tr>
<tr><td>Research and Analysis of Bibliography/Design Project Presentation</td><td>20</td></tr>
<tr><td></td><td>Total</td><td>75</td></tr>
<tr><td>Student assessment</td><td colspan="2">Technical evaluation
• Degree of approach with the technical specifications (accuracy of proportions)
• The degree of relevance to the topic
• Degree of difficulty
Artistic evaluation
• Consistency, quality and completeness of the final presentation</td></tr>
</table>

5. Recommended/ Bibliography

- Benjamin, W.(2000), Δοκίμια για την τέχνη-Το έργο τέχνης στην εποχή της τεχνικής αναπαραγωγιμότητάς του, Εκδ. Κάλβος, Αθήνα
- Castells M. (2005), Ο γαλαξίας του διαδικτύου, Εκδόσεις Αθανάσιος Α. Καστανιώτης ΑΕΒΕΔΕ
- McLuhan, M.(1964), Media : Οι προεκτάσεις του ανθρώπου, Media, SCτάφραση, Εισαγωγή, Επιμέλεια: Σπύρος Μάνδρος (1991), Εκδόσεις Κάλβος
- Sanders M. (2010). Τεχνολογία Επικοινωνιών. Ευγενίδιο Ίδρυμα. Διαδραστικό βιβλίο, Σύνδεσμος, http://ebooks.edu.gr/modules/ebook/show.php/DSGL- B110/93/737,2748/
- Καρυδάς, Ι. (2007). Ψηφιακές πόλεις, Εκδόσεις Παπαζήση ΑΕΒΕ

15.5 5th Semester Courses

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA501**	SEMESTER	**5**
SUBJECT TITLE		**Interior Architecture V**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	6	8	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea501/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course focuses on gaining knowledge and experience in designing tourists' accommodation and hotel facilities. Through the main semester project, students will will be able to:

- handle and produce architectural designs that can fulfill all the touristic and hotel accommodation needs
- understand, evaluate and solve problems that are related to functionality and the aesthetics of a space that refers to tourists
- understand and image the attributes and the quality of a space
- overcome and solve more complicated problems that are related to the functional program and the organization of a space in terms of an architectural composition

b. Skills

- Research, analyze and combine data and information
- Decision making
- Design project (cooperation in small groups)
- Personal project
- Promotion of free, creative and critical thinking
- Application of theoretical knowledge in practice

3. Subject Context

The course deals with the interior design of tourist and accommodation facilities. It is about understanding and creating architectural synthesis designs and it is organized in two basic parts: (i) theory and (ii) practice, which actually function as one. Theory about design issues of tourist facilities design is presented throughout the semester and it supports the part of design practice (design project).

The part of theory is organized by a series of relevant lectures on a variety of design aspects and issues (e.g. functionality, circulation, aesthetics, leisure, quality, culture, nature etc.).

Simultaneously, the part of practice, is a design project (students work in small groups) which is a redesign proposal of an existing building as a hotel.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design	Face to face

Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	E-class material	
Teaching organization	Activity	Semester ECTS
	Lectures	40
	Theory Essay	30
	Design Workshop and Excersices	-
	Main Design Project	100
	Research and Analysis of Bibliography	30
	Total	200
Student assessment	Written examination Progress work	

5. Recommended/ Bibliography

- Φιλιππίδης Δ, 1984, Νεοελληνική Αρχιτεκτονική, Αθήνα, Μέλισσα
- Αίσωπος Γ., (2015), Τοπία Τουρισμού: Ανακατασκευάζοντας την Ελλάδα, εκδόσεις Δομές
- Ζορμπά, Μ. (2014), Πολιτική του Πολιτισμού. Ευρώπη και Ελλάδα στο Δεύτερο Μισό του 20ού αιώνα, Αθήνα, Πατάκης
- Harris, D. (2004/2011), Ελεύθερος Χρόνος: Θεωρία και Πράξη, Αθήνα, Πλέθρον
- Κοκκώσης, Χ., Τσάρτας, Π. (2001), Βιώσιμη Τουριστική Ανάπτυξη και Περιβάλλον, Αθήνα, Κριτική
- Κόνσολα, Ν. (2006), Πολιτιστική Ανάπτυξη και Πολιτική, Αθήνα: Παπαζήσης
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA502**	SEMESTER	**5**
SUBJECT TITLE		**Structural Art IV**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	4	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea502/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Upon successful completion of the course students will have acquired the following necessary skills/abilities:

- Development of special repetative structural elements that present variability and can be assembled and disassembled (modular design).
- Personal understanding of standardisation in construction, using a repeating structural grid.
- Design of lightweight, transportable, variable and ephemeral structures of small scale in the interior & exterior space.
- Research on application details to demonstrate that construction provides a link between functionality and aesthetics in both small- and large-scale objects, - it is not just a process of composing materials and engineering.

b. Skills

- Research, analysis and synthesis of data and information, with the use of appropriate technologies
- Standardisation in 3D space
- Composition of repeated building elements
- Use of contemporary lightweight structures
- Autonomous project
- Production of new research ideas
- Evaluation, assessment and self-assessment
- Application of knowledge in practice.

3. Subject Context

The module is an introduction to the principles of contemporary construction in terms of standardisation and application of lightweight structural systems, while contemporary morphologic approaches in relation to the possibilities offered by evolving technologies are examined.

It discusses methodologies of construction standardisation, 3D construction grids, reusable structural components, assembled and disassembled elements.

The basic principles and characteristics of special lightweight structures are analysed, which can be easily transformed, providing a separate chapter of knowledge and exercise in the context of both large-scale and small-scale architectural construction and interior. Considering this, applications of small-scale structures located either indoors (kiosks inside large exhibition spaces, installations etc.) or in urban space (pavilions, parasites, minimum residences etc.) are presented.

Material properties, construction and connections are analysed. Basic means of infrastructure (electricity, plumbing, mechanical installations) are discussed. Particular reference is made to easy assemblage / disassemblage and storage of the structure's elements, the study of nodes and the typologies that provide the possibility of the addition or removal of parts to allow for multiple uses.

Regarding the design/synthetic part of the module and more specifically the design of lightweight structures and building elements, the students are invited to elaborate on design issues related to small-scale structures, located either

outdoors or indoors, as well as their interior space and equipment.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	The module combines teaching and learning methods described in this section, allowing for a comprehensive approach that integrates theory and design.	
Use of Information and Communication Technologies	Powerpoint presentations & video projections CAAD Online research	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Design Workshop and Exersices	50
	Main Design Project	20
	Portfolio	10
	Total	100
Student assessment	Precedent Presentation Design Project Portfolio assessment	

5. Recommended/ Bibliography

- Athanasopoulos Ch. (2003), Building construction: Synthesis and technology (6th edition), Athens, Papasotiriou Publications [in Greek]
- Bardzinska-Bonenberg, T. (2018), Parasitic Architecture: Theory and Practice of the Postmodern Era, International Conference on Applied Human Factors and Ergonomics
- Berger, H. (1996), Light Structures, Structures of Light: The Art and Engineering of Tensile Architecture, Laurence King Publishing
- Michaltsos, G. (2009), Lightweight metal structures: Theory and applications, Symeon Publications [in Greek]
- Neufert, E. (2003), Neufert, architects' data (36th German edition 2000). Giourdas Publications [in Greek]
- Newman, M. (1993), Standard handbook of structural details for building construction, McGraw-Hill
- Ouggrinis, K. A. (2012), Variable architecture: Movement, adjustment, Κίνηση, προσαρμογή, ευελιξία, versatility. Ion Publications [in Greek]
- Tsinikas, N. (2001), Architecture against gravity: Metal, suspended, inflatable structures, Thessaloniki, University Studio Press [in Greek]
- Tsinikas, N. (2016), Architectural Technology, Thessaloniki, University Studio Press [in Greek]
- Vavili, F., Dova, E. [ed] (2007), Transparency and architecture: Challenging the limitis, Ziti Publications [in Greek]
- Vizoviti, S. (2017), Small residence: Atlas for architects, Thessaloniki, University Studio Press [in Greek]

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA503**	SEMESTER	**5**
SUBJECT TITLE		**Visual Art in Urban Space**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises	4	4	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea503/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The aim of the course lies in:

- the evolution of creative and original ideas
- involving deferent techniques, from digital tools to pure structural forms
- understanding of the term «concept» as the key-tool to organize their ideas into designs and yet to unlock the ideas behind the projects they study
  encourage students to consider and contextualise their process towards cultural, environmental and social subject matters
- observe critically – and then record, interpret and represent their observations to others
- researching approach

b. Skills

- Develop an awareness of the opportunities found within other relative areas to architecture like contemporary art
- Developing their thinking and creative actions through research and actual experience of the real space in a phenomenological and psychological way
- Develop techniques and skills and use them appropriately in different forms of presentation
- Use of appropriate language in expressing orally and written the main idea behind their work (text structure and layout included)
- Connect art and design with visual communication which can be understood within various social/cultural/historical and economic contexts
- Understand their own work through a historical / theoretical framework

3. Subject Context

The course commences from the semantic along with the typological exploration of a certain point (locus) in the urban fabrication of a city. There in it, advances aesthetic forms of interpolation of a creative construction/installation in respect to the scale and the details that are appearing to the actual locus

The course brings forth the necessity of structuring a concept, organized within a consistent context – experience (phenomenological/psychological) and develops it as the content of an original artwork.

The main strategy that students deploy in order to elaborate their ideas deals with:

- the task of observation, known as « reading of space»
- the living experience of the space, registered in «an archive of notes»
- «the conversation» with the residents of the particular urban-point of study
- the mapping and the tracing of all those elements that will help them to compose their ideas into a creative but eloquent visual structure («the project»)

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project	

<table>
<tr><td>Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2"></td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Design Workshop and Excersices</td><td>50</td></tr>
<tr><td>Main Design Project</td><td>20</td></tr>
<tr><td>Portfolio</td><td>10</td></tr>
<tr><td>Total</td><td>100</td></tr>
<tr><td>Student assessment</td><td colspan="2">Students are asked to contextualise their work in oral presentations and written report, as well as in project tutorials.</td></tr>
</table>

5. Recommended/ Bibliography

- Albers J.(1963), The Interaction of Colour. Pupl. Yale University Press
- Arnheim R. (1999), Τέχνη και οπτική αντίληψη, Η ψυχολογία της δημιουργικής όρασης, Εκδόσεις Θεμέλιο, Αθήνα
- Gombrich E. H. (1950), Το Χρονικό της Τέχνης. Εκδόσεις MIET (Μορφωτικό Ίδρυμα Εθνικής Τραπέζης), Αθήνα
- Gombrich E. H. (1995), Τέχνη και ψευδαίσθηση. Εκδόσεις Νεφέλη, 1995, Αθήνα
- Itten J. (1998), Τέχνη του Χρώματος, Εκδόσεις ΚείSCνα Εικαστικών Καλλιτεχνών
- Itten J. (2011), Σύνθεση και Μορφή, Εκδόσεις Αντιύλη, Αθήνα
- Kandinsky W. (1980), ΣηSCίο-Γραμμή-Επίπεδο, Συμβολή στην Ανάλυση των Ζωγραφικών Στοιχείων, Εκδόσεις Δωδώνη, Αθήνα
- Kandinsky W. (1981), Για το πνευματικό στην τέχνη, Εκδόσεις Νεφέλη, Αθήνα
- Klee P. (1989), Η Εικαστική Σκέψη (Πρώτος Τόμος,) Τα Μαθήματα στη Σχολή Μπαουχάουζ, Εκδόσεις Μέλισσα, Αθήνα
- Klee P. (1989), Η Εικαστική Σκέψη (Δεύτερος Τόμος), Τα Μαθήματα στη Σχολή Μπαουχάουζ, Εκδόσεις Μέλισσα, Αθήνα
- Parramon J. M.(1992), Προοπτική για Καλλιτέχνες, Εκδόσεις Ντουντούμης, Αθήνα
- Reed H. (1978), Η Ιστορία της Μοντέρνας Ζωγραφικής, Εκδόσεις Υποδομή, Αθήνα
- Κολοκοτρώνης Γ. (2000), Η Τέχνη σε SCτάβαση, Εκδόσεις Νηρέας, Αθήνα
- Παπασταμούλης Κ. (2005), Το Σχέδιο και το χρώμα στη ζωγραφική, Εκδόσεις ΙΩΝ, Αθήνα
- Σαντοριναίος, Μ. (2015), Από τις σύνθετες τέχνες στα υπερμέσα και τους νέους εικονικούς-δυνητικούς χώρους. Ένα εγχειρίδιο για τον καλλιτέχνη που ασχολείται SC την ψηφιακή τέχνη, Αθήνα, Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA504**	SEMESTER	**5**
SUBJECT TITLE		**Architectural Conception with Computers II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 3	4	
TYPE OF SUBJECT		Compulsory - Specialty Course	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea504/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists of both theoretical and laboratory content. In the theoretical part, a series of injectable theoretical presentations are made, which are analyzed and discussed with the active participation of the students, either in multiple computer design applications, or on blackboard or with the use of multimedia or visual material. In the laboratory part, a series of laboratory exercises for the application of theoretical presentations are performed. Students first complete individual laboratory exercises and then an individual or collective integrated digital design study.
Upon successful completion of the course the students will:

- have knowledge of techniques for creating and processing digital materials
- have knowledge of photorealism and movement techniques
- have knowledge of lighting models and color models
- be able to adapt digital materials or pixel maps to 3D surfaces
- be able to perceive and communicate more fully the space and will highlight all its components in a realistic way
- be able to involve and connect different methods of digital representation of an architectural project

b. Skills

- Knowledge of theoretical and practical 3D digital design
- Architectural Design
- Synthesis of design data and information,
- Autonomous work
- Spatial perception
- Criticism of both the use and synthesis of digital tools in the service of the synthetic process architecture

3. Subject Context

It is the evolution of the course "Architectural Conception with Computers I". It is developed in parallel at a theoretical and laboratory level. It deepens in digital design issues in the architectural composition with a realistic representation approach.
Specifically, at a theoretical level, the concepts and techniques of creating and processing materials, lighting models, color models, adapting pixel-tiles to 3D surfaces, photorealization and movement techniques in different design environments are developed.
At the laboratory level, the digital design of an architectural composition is developed that incorporates, selects and critically uses the appropriate photorealistic representations that highlight the architectural space. At the same time, the production of autonomous or interactive drawing models (animation) in photorealistic models offers the possibility of a more complete spatial perception and highlighting of the forms, functions and structural elements of the architectural space.

4. Teaching and learning methods – Evaluation and assessment

<table>
<tr><td>- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2">Theory and Design Workshops Theory Essay and Design Exercices Final Project Portfolio</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Computer software
Multimedia and conventional presentations via PC Video projection</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td>30</td></tr>
<tr><td>Design Workshop and Excersices</td><td>30</td></tr>
<tr><td>Main Design Project</td><td>10</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>10</td></tr>
<tr><td>Total</td><td>100</td></tr>
<tr><td>Student assessment</td><td colspan="2">Project design and presentation
Architectural composition - project via PC Laboratory examination via PC
Digital portfolio organization</td></tr>
</table>

5. Recommended/ Bibliography

- Demiri, K., Lahana, N., Louizidis, M., (2002), Introduction to the architectural composition I. University Publications NTUA, ISBN 9789602546116, Athens 2002
- Kapopoulos A., (2006), Architectural composition. Polytropon Publications, ISBN 9789608354562, Athens 2006
- Neufert E., (2010), Building and architectural composition. Giourdas Publications, ISBN 9789605126131, Germany, translated edition Athens 2010
- Littlefield D., (2014), Architectural composition. Publisher Key Number, ISBN 9789604614516, England, translated edition Athens 2014

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA505**	SEMESTER	**5**
SUBJECT TITLE		**Visual Composition using Computer I**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	4

TYPE OF SUBJECT	Compulsory
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea505/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

During the course, students will be introduced to photo editing software (open-source or closed-source). They become familiar with modifying-transferring file-drawings from vector processing programs to take advantage of the capabilities of photo editing programs. At the end of the course, students will have acquired specialized knowledge to operate digital programs to produce two-dimensional images for the purpose of creating electronic presentation signs according to the rules of composition and aesthetics.

b. Skills

- Student assessment
- Exercise criticism and self-criticism
- Understanding of construction technique
- Understand the concept of assembling an object
- Promoting the creative thinking
- Application of knowledge in practice

3. Subject Context

Applications of design theory to specific objects in order to study the composition based on the elements of balance, time, motion, symbol, etc. , Two-dimensional decorative applications on curtains, wallpaper, fabric, dividing banners, tiles, etc.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Digital tools in industrial design applications	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Theory Essay	

	Design Workshop and Exercises	40
	Main Design Project	25
	Research and Analysis of Bibliography	
	Total	75
Student assessment	Exercises in industrial design Project	

5. Recommended/ Bibliography

- Οπτική σκέψη, Arnheim Rudolf
- ΤΕΧΝΗ ΚΑΙ ΟΠΤΙΚΗ ΑΝΤΙΛΗΨΗ., RUDOLF ARNHEIM
- ΔΙΑΚΟΣΜΗΤΙΚΕΣ ΤΕΧΝΕΣ, ΔΗΜΗΤΡΗΣ ΦΙΛΙΠΠΙΔΗ
- 3DTotal.com, Digital Painting Techniques : Practical Techniques of Digital Art Masters, Taylor & Francis Ltd, Oxford, 2009
- Friedberg, Anne, The virtual Window: from Alberti to Microsoft, MIT Press Ltd, Cambridge, Mass. 2009
- Jennings, Gabrielle, Abstract Video : The Moving Image in Contemporary Art, University of Kalifornia Press, Berkeley, 2015
- Kholeif, Omar, Moving Image, MIT Press Ltd, Cambridge Mass., 2015
- Kwastek, Katja, Aesthetics of Interaction in Digital Art, MIT Press, Ltd, Cambridge, Mass. USA, 2015
- Paul, Christiane, Digital Art, Thames & Hudson Ltd, London, 2009
- Rush, Michael, New Media in Art, Thames & Hudson Ltd, London, 2005
- Shanken, Edwart, A., Blazwick Iwona (eds), Systems, MIT Press Ltd, Cambridge, Mass. USA, 2015

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA506**	SEMESTER	**5**
SUBJECT TITLE		**Visual Composition II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea506/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The cultivation of visual composition as an all-embracing designing concept, as a focused two-fold project: in the application of drawing interpretations for creating original 2D patterns and in the structuring of co-existing relations between variated ornamental formations when applied in a given space. The evolution of a visual arrangement from its starting point as a generic concept/draft towards its focused spatial application as a feasible visual proposition that orders a given space.. Critical review of contemporary case-studies taken from the fields of art and design define creative paths for the understanding of a contemporary design typology.

In particular by the end of the semester students will be able to:

- understand the workings of important design principals concerning composition
- apply these principals in order to enhance the visual structure of a given space
- handle different techniques in the application of visual solutions across a variety of materials in order to support their concept
- evaluate various methods, techniques and materials in order to support a design idea in a given space
- consider current ornamental trends in the light of recent artistic production

b. Skills

- Visual composition
- 3D presentation of visual solutions
- Application of cultural knowledge
- Understanding, analyzing and producing composite visual systems
- Adaptation to current circumstances
- Decision making
- Creative and deductive thinking

3. Subject Context

The lesson evolves around the idea of repetition as applied in visual culture and in design culture in particular. The repetition of a drawing theme is realized within the limitations of a given layout in order to create a realistic environment which has to be presented as a visually succinct and seamless whole. The pictorial principals that govern visual composition and visual meaning-making and the subsequent ways to apply them are constantly under discussion in class meetings, lectures and in each personal project.

The production of 2D decorative elements becomes a pathway for the understanding of composition principles such as pattern, color, texture and shape as manifestations of culture. The students learn how to juxtapose and combine visual and cultural qualities towards the same end.

Critical discussion about the visual elements, their place in history and culture and the ways these are presented in artworks and design projects is strongly encouraged and cultivated. Observation of the natural world and adaptation of artistic traditions as design methods become a means to translate the visual elements to the appointed environment.

As the course progresses, the students understand the distance that lies between the birth of a visual idea as a key

discerning theme to its realization as a pattern design drawing. During the final application of the designed visual theme in various media and forms in order to support that same idea as the visual principal that shapes a given space the prerequisites for the execution, presentation and the fruitful advancement of a project to successful completion come forth.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Personal tutorial Theoretical Lectures on visual principals and visual examples taken from a variety of visual fields. Project presentation	
Use of Information and Communication Technologies	Multimedia projections	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	20
	Design Workshop and Excersices	
	Main Design Project	50
	Research and Analysis of Bibliography	10
	Total	100
Student assessment	Theoretical Essay and Semester Project Portfolio Hand-in	

5. Recommended/ Bibliography

- Arnason, H. History of Modern Art, Paratiritis 1995, Thessaloniki.
- Arnheim, Art and Illusion, Themelio, 2005
- Gombrich, Ernst, The story of Art, Education Foundation of The National Bank of Greece, 1998
- Bang, Molly, Picture This: How Pictures Work, Chronicle Books, 2016
- Baloglou, George, Isometrica: A Geometrical Introduction to Planar Crystallographic Groups, Suny Oswego, Baloglou, 2017
- Chan, C.-S., Phenomenology of rhythm in design. Frontiers of Architectural Research (2012), http://dx.doi.org/10.1016/j.foar.2012.06.003
- Cole, Drusila, The Pattern Sourcebook, A century of surface design, Laurence King Publishing Ltd, Singapore, 2009.
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- Farh-Becker Gabriele, Japanese Prints, Taschen, South Korea, 2007
- Foster Hall, Krauss Rosalind, Bois, Yves-Alain, Buchloh Benjamin H. P.Art after 1900, Epikentro, Athens, 2007
- Hale Beverly, Robert, Watson, Drawing Lessons from the Great Masters, 45th anniversary edition, Gutpill Publications, New York, 2009
- Jackson Leslie, 20th Century Pattern Design: Textile &Wallpaper Pioneers, Princeton Architectural Press, New York, 2011
- Kusama, Yayoi , Yayoi Kusama, TATE Publishing, London, 2015
- Parry, Linda, V&A Pattern: William Morris, Victoria & Albert museum, London, 2009
- Perry, Mike, Over&Over, A Catalog of Hand-Drawn Patterns, Princeton Architectural Press, New York, 2008
- Pipes, Alan, Foundations of Art and Design, Laurence King Publishing Ltd, London, 2008
- Speed Harold, The practice and science of drawing, 3rd edition, Dover Publications, INC, New York, 1972
- Vacalo-Emmanuel-George, Visual Syntax, Realisation and Production of Shapes, Nefeli, Athens , 1988
- Wye, Deborah, Louise Bourgeois MoMA Catalogue, The Museum of Modern Art, 1982

- Xiaoyang Yang, Visual Balance, The tightrope of computer generated layout, MIT, Μασαχουσέτη, 1995.
- Zakia D. Richard, Perception & Imaging, 2nd ed., Butterworth-Heinemann, Woburn, 2002

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA511**	SEMESTER	**5**
SUBJECT TITLE		**Furniture Design II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures Design Workshops/Exercises	1 2	3	
TYPE OF SUBJECT		Compulsory Elective	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea511/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Upon successful completion of the course, students will have acquired the following skills/abilities:

- Semantic networks - schematic manifestations and perceptual representations in space
- The composition of the furniture: The design focuses on discrete events and events (eventbased) in the space. The semiotic consideration of a morphogenetic phenomenon, spectral limits and functional totality
- The definition of the thematic nature of the furniture, and of its inherent aesthetic identity: on the one hand at a semiotic level and on the other in a structural renegotiation of the interior space. The wider environment of the modern lifestyle
- The relationship of the departmental correspondence of the furniture with primary materials as a whole or individually
- The operation of the design process, which will obviously come from the relationship that governs the one with the multiple
- Organization of industrial production and certification of furniture

b. Skills

- The role of the designer and his goals
- The general process of furniture design
- The responsibility for the consequences of planning (mental, physical, environmental etc).

3. Subject Context

The course is a specialization course in furniture design and introduction to ergonomics-anthropometry and methodology of design and production.
The aim of the course provides the necessary skills for solving design problems, selection of materials and mainly in design improvement (ergonomic & design) of furniture for use with the purpose of maximum benefit to the user. The furniture as a utilitarian object and means of serving human needs is formatted with synthetic processes close to art, in order to stimulate and engage dialogue.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design - Theory Essay and Design Exercises	Face to face	
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Design Workshop and	40

	Excersices	
	Main Design Project	10
	Pportfolio	15
	Total	75
Student assessment	Theory Essay Main Design Project	

5. Recommended/ Bibliography

- Αλεξίου Π., Ζαμβακέλης Π., (2002) Το Ελληνικό Έπιπλο και οι Δημιουργίες του Μανώλη Μάϊνα, Εκδ. Αδάμ, Αθήνα
- ΠαρSCνίδης Γ., Ρούπα Ε., (2003)Το Αστικό Έπιπλο στην Ελλάδα 1830-1940, Εκδόσεις ΕΜΠ, Αθήνα
- Dictionary of 20th century design and designers, Thames & Hudson, London 2003
- Field C & P, (2007) Design now, Tachen
- Marzona D. (2003) Conceptual art, Tachen
- Hesket J. (1987) Industrial design, Thames and Hudson, London

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA512**	SEMESTER	**5**
SUBJECT TITLE		**Industrial Design II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea512/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The main goal of the course is to acquire the technical skills for converting thoughts into industrial designs using a computer, to read designs and make the necessary corrections and modifications with the aim of optimizing the product itself.

After the successful completion of the course, students are expected to:

- have acquired the basic design skills utilizing a computer
- be familiar with modern design and modeling technologies using design software
- apply design software for optimal industrial design
- have delved into tasks related to parametric design techniques

b. Skills

- Student assessment
- Exercise criticism and self-criticism
- Understanding of construction technique
- Understand the concept of assembling an object
- Promoting the creative thinking
- Application of knowledge in practice

3. Subject Context

Applications of design theory to specific objects for the purpose of their production.
Detailed design of objects. Evolution of each object from its handicraft, handicraft and industrial form. Design procedures and production. Shape, materials, color. Stereometry in the service of industrial shaping. Industrial aesthetics.
The methodical design of the form of industrial products. Techniques presentation of the form of an industrial product (concept reporting and visualization). Modern technology and industrial design. The system and methodology in modern industrial formatting.
The mission and meaning of design management. The role of the industrial designer in modern decoration.
Electronic design technology and morphological research tools of the industrial product. Principles of standardization, "series" of a product and commercial aesthetics.
Cost-benefit analysis in the implementation of the form of an industrial product.
Technical specifications and certification of industrial product. Feasibility study.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site	

<table>
<tr><td>Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Digital tools in industrial design applications</td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>10</td></tr>
<tr><td>Theory Essay</td><td></td></tr>
<tr><td>Design Workshop and Exercises</td><td>40</td></tr>
<tr><td>Main Design Project</td><td>25</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td></td></tr>
<tr><td>Total</td><td>75</td></tr>
<tr><td>Student assessment</td><td colspan="2">Exercises in industrial design, Exams, Project</td></tr>
</table>

5. Recommended/ Bibliography

- Κουζέλης Α., Στοιχεία Βιομηχανικού Σχεδιασμού και Μορφοδοσίας Προϊόντων
- Χρήσης, Αθήνα 2008
- Thackara J., Design after Modernism, 1992
- Pile J., Dictionary of 20th Century Design, 1990
- Pile J., Design, Purpose and Meaning, 1979
- Πολλάλης Γ., Πατρινός Δ., Βιομηχανικό Marketing, 1999
- ΕΛΟΤ, Γενικός Κανονισμός Πιστοποίησης & Διασφάλισης Ποιότητας, Αθήνα 1993

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA513**	SEMESTER	**5**
SUBJECT TITLE		**Digital Design with Programming**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 2	3

TYPE OF SUBJECT	Compulsory Elective: Specialty Course
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea513/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists of both theoretical and laboratory content. In the theoretical part, there is a series of injectable theoretical and practical presentations that are constantly alternating, which are analyzed and discussed with the active participation of the students, either in the design application of the computer, or on blackboard or with the use of visual material. In the laboratory part, a series of laboratory exercises for the application of theoretical presentations are performed. Students first complete small laboratory exercises individually and then optionally an individual program to solve a specific design or architectural issue.

Upon successful completion of the course the students will be able to:

- prepare custom programs in Auto LISP language in CAD digital design environment
- analyze design or computational needs, codifies them and composes solutions to solve them
- participate and will actively contribute to the solution of interdisciplinary research issues
- automatically manage various design objects and calculations
- customize and adapt to its needs digital design processes and their results (e.g., sections, faces, etc.)
- create automations for the creation of symbols and libraries
- automate calculations of geometric places and structures

b. Skills

- Contribution of the 19th century art movements to the contemporary art of the 20th century
- Aesthetic cultivation through the contact with works of art by significant creators.
- Presentation and analysis of the features of a work of art or of a decorative motif.
- Promotion of free and creative thinking.
- Autonomous work in an interdisciplinary environment.
- Search, analysis and classification of bibliographic historical sources.

3. Subject Context

The course aims to acquire knowledge and skills for independent or group contribution in an interdisciplinary environment, in order to automate or produce new design information. The course allows the trainees to become aware and contact with Visual LISP programming. This know-how with the use of digital design software, followed by needs analysis, allows the writing of programs that solve multiple design architectural problems and automatic management of design objects.

Programmable digital design allows, among other, the automation and customization of digital design processes, the creation of standard designs, symbols and libraries, the creation, processing and automatic calculation of geometric places and structures, the automatic management of design and descriptive data (combination of spatial information, dimensions, areas, joints, angles, comparison and evaluation of data, etc.), automatic custom creation of architectural views such as sections, views, etc., creation of interfaces and automatic connection to other design environments, etc. The aim of the course is, among other, to create tools that automate digital design and solve geometric and architectural problems that have been solved, as well as to develop standard programs that become important tools that contribute

to research, decision making and suggest solutions as helpers in interdisciplinary matters.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Theory and Design Workshops Theory Essay and Design Exercices Final Project	
Use of Information and Communication Technologies	AutoCAD environment Multimedia and conventional presentations via PC Video projection	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	30
	Design Workshop and Excersices	30
	Main Design Project	10
	Research and Analysis of Bibliography	10
	Total	100
Student assessment	Project design and presentation Laboratory examination via PC Digital portfolio organization	

5. Recommended/ Bibliography
• Omura, G., (1990) Introduction to AutoLISP. Giourdas Publications, Athens 1990 • Head G., (1990), Learn AutoLISP. Key Number Publications, Athens 1990 • Immler Chr., (1993), The Great Book of AutoCAD PROGRAMMING 12. Editions Micro Application, France, 1993 • Kramer B., (1997), AutoLISP Treasure Chest. Cadence, Miller Freeman Books Editions, San Francisco USA, 1997 • Kappos, G., (2002), Adapt AutoCAD to your requirements. AutoCAD customization, Key Number, Athens, 2002 • Kouzeleas, S., (2002), Development of a tool tool in an acoustic architectural simulation adapted to a CAO modeling system. Ph.D. Thesis, Bordeaux France 2002 • Cottingham, M., (2001), Complete AUTOCAD VBA Manual. Giourdas Publications, • ISBN 960-512-290-1, USA, translated into Greek, Athens 2001 • Thallbeim, A., (2001), VBA Pour AutoCAD 2002. Thallbeim Consultants Inc. • Publications. ISBN 2-9806659-1-6, Quebec, Canada, 2001 • Kouzeleas, S., (2021) Electronic notes on Visual LISP • Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA514**	SEMESTER	**5**
SUBJECT TITLE		**Visual Arts III**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Presentations Laboratory exercises	1 2	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea514/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Students develop the ability to connect an idea to the visual system that will support it.
They recognize different means of expression as ways to achieve different visual effects with corresponding conceptual content. They gain control of the composition / content relationship and become familiar with modern design systems and means of expression. In terms of skills, students expand their ability to use materials and techniques. Use of photos, collages, mixed media.Their visual perception is cultivated. The content and the objective of design are expanded as an autonomous mental activity through practice.

b. Skills

- Creative Design
- Problem solving with application of known data in new conditions
- Synthetic ability
- Judgment
- Analysis and re-synthesis of data into new content
- Recognition and utilization of possibilities in known and new skills
- Individual work and self-criticism

3. Subject Context

Morphoplastic structures. Basic principles of portraiture. Structure of the human body. Axial approach - simplification of complex forms.Sketches of still lives and model figures- life drawing.Drawing of the movement of a figure indoors and outdoors.Figure design in relation to useful objects. Design with different lighting (natural, artificial, central, multifocal)Color sketches (pastels, wood paints).Design study of branded and non-branded industrial design objectsDesign of a peculiar useful object, inspired by the morphological structures (drafts, color sketches, perspectives and axonometric final drawings) Scenario for capturing a space.The concept of abstraction, the free design-sketch in space.Designing a theme based on a hypothetical scenario as a source of inspiration. Drawing and sketching as basis of illustration of books and magazines.Illustration of brochures.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face and project applications in the workshop

Use of Information and Communication Technologies	Lectures with video projections Theoretical Papers using electronics Sources	
Teaching organization	Activity	Semester ECTS
	Lectures	15
	Laboratory exercises/ assignments	50
	Portfolio	10
	Total	75
Student assessment	Written examination Laboratory Assignment Portfolio organization	

5. Recommended/ Bibliography

- Ίττεν Γιοχάννες, Τέχνη του Χρώματος, Ένωση καθηγητών καλλιτεχνικών Μαθημάτων, Αθήνα 2011
- Itten J. (1975), Σύνθεση και Μορφή, Εκδόσεις Αντιύλη 2011
- Παπασταμούλης Κ. Το Σχέδιο και το χρώμα στη ζωγραφική, Εκδόσεις ΙΩΝ, Αθήνα 2005
- Όλγα Κοζάκου- Τσιάρα, Εισαγωγή στην εικαστική γλώσσα, ΕΚΔ:GUTENBER
- Παπασταμούλης Κ., Χρώμα - σκίτσο και αρχές ελευθέρου σχεδίου, Εκδόσεις ΙΩΝ
- Μανωλεδάκη-Λαζαρίδη Ι., Το Σχέδιο: θεωρία & πρακτικές, εκδ Επίκεντρο, Αθήνα 2005
- Τσιούρης Γ., Το Σχέδιο και το χρώμα στη ζωγραφική, Εκδόσεις ΙΩΝ
- Paul Kle., Η εικαστική σκέψη, τα μαθήματα στη σχολή Μπαουχαουζ, Εκδ. SCΛΙΣΣΑ
- Γεωργίου Βάσω (SCτάφραση), Κλέλια Καταιβάτη (επιμέλεια), Πως σχεδιάζω και ζωγραφίζω, Εκδόσεις Κισσος-Παν, Αθήνα 1984
- Ρήντ, Χέρμπερτ, Λεξικό Εικαστικών Τεχνών, Υποδομή
- Reed H. (1959), Η Ιστορία της Μοντέρνας Ζωγραφικής. Εκδόσεις Υποδομή 1978
- Edgar Degas, Drawings and Pastels, Hudson&Thames, London, 2014
- Selinman, Isabel, Lines of thought: Drawing from michelangelo to now (British Museum), Thames and Hudson Lmt, London 2016
- Zakia D. Richard, Perception & Imaging, 2nd ed., Butterworth-Heinemann, Woburn 2002
- Elderfield J., The modern drawing : 100 works on paper from the Museum of Modern Art : [exhibited, Oct. 29, 1983-Jan. 3, 1984], The Museum of Modern Art: Distributed by New York Graphic Society Books, New York, 1983
- Finlay V., The Brilliant History of Color in Art, Getty Trust Publications, Santa Monica, 2015
- Klee Paul, Notebooks-The thinking eye, Lund Humphries Publishers Limited, London, 1961
- Klee P. (1956), Η Εικαστική Σκέψη (Πρώτος Τόμος,) Τα Μαθήματα στη Σχολή Μπαουχάουζ. Εκδόσεις Μέλισσα 1989
- McCully M., Raphael Bouvier, et al., Picasso: Blue and Rose Periods, Hatje Cantz, Berlin, 2019
- Gage John, Colour and Meaning, Thames & Hudson, 1999
- Albers J.(1963), The Interaction of Colour. Pupl. Yale University Press
- Arnheim R. (1954), Τέχνη και οπτική αντίληψη, Η ψυχολογία της δημιουργικής όρασης. Εκδόσεις Θεμέλιο 1999, Αθήνα
- Kandinsky W. (1914), Για το πνευματικό στην τέχνη, Εκδόσεις Νεφέλη, 1981
- Parramon J. M.(1992), Προοπτική για Καλλιτέχνες, Εκδόσεις Ντουντούμης 2003
- Κολοκοτρώνης Γ. (2000), Η Τέχνη σε SCτάβαση, Εκδόσεις Νηρέας, 2000

15.6 6th Semester Courses

1. General Information				
SCHOOL		School of Design Sciences		
DEPARTMENT		Interior Architecture		
STUDY LEVEL		Undergraduate		
CODE OF SUBJECT	**EA601**	SEMESTER		**6**
SUBJECT TITLE		**Interior Architecture VI**		
TEACHING CONTENT	Hours per Week		ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	2 4		8	
TYPE OF SUBJECT		Compulsory		
PREREQUIRED COURSES		NO		
TEACHING AND EXAMS LANGUAGE		GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES		
Course website (URL)		https://ia.ihu.gr/ea601/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The aim of the course is to provide students with in-depth field study and specialized knowledge and skills in designing spaces that promote health, well-being, and quality of life. The course content focuses on the architectural composition of spaces directly related to healthcare, as well as on the qualitative and design characteristics of the built environment that are linked to the broader concept of health and well-being.

The aim of the course is to provide students with the knowledge and skills to systematically approach and methodically and creatively solve compositional problems in the design of spaces related to health, well-being, care, welfare, and the various aspects of the built environment related to well-being.

Upon successfully completing the course, students will:

- Be able to study, methodically, synthetically and creatively, spaces related to health, well-being and the creation of a therapeutic and supportive environment.
- Be able to recognize, analyze, and evaluate the elements that make up the atmosphere of a space.
- They will be able to design spaces that respond to the functional, emotional, social, and psychological needs of users by communicating the intention of the design through atmosphere and experience.
- They will be able to incorporate principles of well-being and care into architectural design.
- They will be sensitive to issues of protecting vulnerable social groups, with the aim of upgrading the environment and improving quality of life.
- They will be able to know and apply the safety rules and regulations concerning autonomous, equal, and safe access and movement of all users in public spaces.
- They will be able to follow an analytical and synthetic process with the support of the formation of their ideas (concept).
- They will have developed their personal creativity.
- They will have acquired the ability to evaluate research results and synthesise them.
- They will have acquired the ability to develop and publicly support their design choices in their studies.
- They will have acquired critical thinking and reasoning skills.
- They will have cultivated a spirit of cooperation.

b. Skills

- Search, analyze, and synthesize data and information.
- Taking decisions
- Autonomous work
- Exercise critical and self-critical thinking.
- Promoting free, creative, and inductive thinking
- Applying knowledge in practice

3. Subject Context
The content of this synthetic course focuses on the creative design of interior spaces related to health, wellness, and well-being in spaces related to healthcare, welfare, and the various aspects of the built environment related to healthcare, well-being, and architecture as a means of improving quality of life. The approach to the design of these spaces is through reflection, exploration, and familiarization of students with concepts related to safety, the therapeutic and supportive environment, inclusion, and accessibility. The theoretical part consists of a series of lectures organized into modules on a thematic axis covering the management of spaces directly and indirectly related to health, physical and mental balance, and overall well-being through the connection of space, aesthetics, and psychology. The applied/laboratory part includes a study (project) concerning the intervention and overall synthetic configuration of space in a specific building shell.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	40
	Theory Essay	30
	Design Workshop and Excersices Main Design Project	100
	Research and Analysis of Bibliography	30
	Total	200
Student assessment	Theory Essay Main Design Project	

5. Recommended/ Bibliography
• Βαβύλη, Φ. (2009) Τέχνες & Χώροι Υγείας. Θεσσαλονίκη, Εκδ. Ζήτη. ISBN 978-960-456-149-0 (Κωδικός Ευδόξου: 11303) • Ξανθόπουλος, Κ. (2016) Το νοσοκομείο στις διασταυρώσεις της αρχιτεκτονικής με την ιατρική. Από το στερεότυπο στο Νεωτερικό. Αθήνα, εκδόσεις MIET. ISBN 9789602506684 • Canter, D. (1990) Ψυχολογία και αρχιτεκτονική. Θεσσαλονίκη, University Studio Press. ISBN 960-12-0508-X • Designing better buildings (συλλογικό) Ed. Sebastian MacMillan. (2003). London, Routledge. ISBN 9780415315265 • Designing for Health & Wellbeing: Home, City, Society (συλλογικό). (2020). Vernon Press. ISBN 978-1-62273-790-1 • Merleau-Ponty, M. (1992) Phenomenology of Perception. London, Routledge. ISBN 978–0–415–55869–3 • Petermans, A., & Cain, R. (Eds.). (2020). Design for Wellbeing: An Applied Approach. Routledge. ISBN 978-1-138-56292- • Pallasmaa, J. (1996) The eyes of the skin: Architecture and the senses. 4th Ed. John Wiley & Sons, Ltd. ISBN 9781394200672 • Vavili, F. (2009) Aspects of Healing Environments. Thessaloniki, Greece, Ziti Publications. ISBN 978-960-456-150-

- Verderber, S. (2010) Innovations in Hospital Architecture. New York, USA, Routledge. ISBN 9780203855751
- Zumthor, P. (2006) Atmospheres, Switzerland, Birkhaüser. ISBN 9783764374952

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA602**	SEMESTER	**6**
SUBJECT TITLE		**Light and Space I**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	4	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea602/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course is organized around the interrelation between theory and design application. In the theoretical part, a series of lectures is given by the tutors and guest lecturers, of the course using visual material, where the presented topics are analyzed and discussed with the active participation of the students. In addition, students prepare theoretical and presentations of individual work through written essays (lighting precedence) and lighting appraisals (day and night site visits).

Students prepare design (workshop) lighting exercises and then two lighting design architectural study [projects] individually, (residential spaces, retail and exhibition lighting). These are discussed analyzed and reviewed weekly while communicated by students through drawing presentations of their work in class periodically. (Interim reviews – Final Pin Up) Finally they present all prepared work as a form of Pin Up Presentation and portfolio of Work final hand in.

Upon successful completion of the course the student will:

- have knowledge of the fundamentals of light physics and the synthetic principles and possibilities in space.
- have the ability to perceive, analyze, understand and render the elements of light and space (geometric, symbolic, functional, structural, etc.) and the user - human relationship with it.
- have the ability to perceive, analyze, understand and render the elements of light and space (geometric, symbolic, functional, structural, etc.) and the user - human relationship with it.
- understand the creativity in the use of light as a design tool the lighting design process and how to develop it.
- have the ability to express and communicate his lighting ideas, verbally and visually (sketches, models, drawings)
- have the ability to develop and support his theoretical and lighting design approaches to design.
- be able to describe the concepts of color, the role of light sources in the creation of color, the classifications of colors, and how they may be mixed.
- understand ancient and modern shadows, describe the applications of shadows in astronomy, architecture, and the arts, and develop the relationship between perspective and shadow projection.
- have participated in research discussions regarding light and space (mediums, substances, surfaces, visual order, events and information, perceptions of light in religion, philosophy, and the arts.).

Program

THE SCIENCE OF LIGHT

Visual Perception

Lighting Fundamentals

Lighting Units. Lighting Design Process. Radiometry/Photometry – Lighting Sources – Luminaires

Calculations and Measurement of Light. (Dialux Evolution)

Photometric Studies (Isolux Diagrams – Illuminance – Luminance and Daylight Factor Calculations)

LIGHTING FOR THE INTERIOR SPACES

Residential Lighting

Retail Lighting

Exhibition and Museum Lighting

Office Lighting
Leisure Spaces Lighting
LIGHTING THE EXTERIOR
Urban Lighting. The Floodlighting of Buildings.
Lighting for Parks, Squares and urban public green spaces.
DAYLIGHTING introduction
Natural light availability. Color, Light and Materials.
Natural light in buildings, Control Systems and design considerations.

b. Skills

- Research, analysis and synthesis of data and information, using the necessary technologies
- Decision making
- Autonomous work
- Production of new research ideas
- Exercise criticism and self-criticism
- Promoting free, creative and inductive thinking.
- Application of knowledge in practice

3. Subject Context

Understanding the importance of the lighting of spaces, the combination of natural and artificial lighting in the aesthetic perception, as well as the synthesis of the interiors. Analysis of the basic characteristics of natural and artificial lighting inside buildings. Practice in the design of interior lighting. Practice in the design of artificial outdoor lighting. Compilation and presentation of a complete photometry study of interior architecture. Familiarity with the visual system, physiology and the mechanisms of visual perception, study of color in its physical, psychophysical and colorimetric dimensions, perceptions of light and shadow over time and introduction in architectural lighting design principles and practice.
In addition, students will be using the tools of photometry to approach fundamental considerations in human centric lighting design, exploring lighting solutions that consider lighting quality with reference to human vision and performance on visual tasks, while simultaneously incorporating new insights about the non visual effects of light.
Students deliver 2 theoretical papers related to the observation of light (lighting appraisals – day and night site visits (interior and exterior) – analysis and study of casestudies (lighting precedence), and research topics related to light and architecture, while in the design process assignments, they proceed to photometric composition interrelated with the architectural study of commercial and residential spaces.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Public presentations in Class and in Public and Visiting Lecturers, of the theoretical work, the laboratory exercises and the development phases of the project (project), with a critical attitude of the public (fellow students / teachers) in the classroom, possibility of improvements.	
Use of Information and Communication Technologies	Learning process support through the electronic platform e-class (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	30
	Design Workshop and Excersices	20
	Main Design Project	60
	Research and Analysis of Bibliography	20
	Total	150

Student assessment	**Theoretical Work.** Evaluation criteria: • Completeness • Critical Thinking • Scientific writing **Design Workshop and Excersises** Evaluation criteria: • Experimentation • Creativity and originality • Personal expression and correctness of the illustration • Quality and completeness of the design • Presentation • Consistency in the implementation of the schedule **Design Project** Evaluation criteria: • Application of the methodology • Depth of research and utilization of its data • Experimentation • Creativity and originality • Personal expression and correctness of the illustration • Quality and completeness of the design • Presentation • Consistency in the implementation of the timetable and schedule

5. Recommended/ Bibliography

- Pritchard D. C., Lighting, Addison 1999
- D. Loe & Peter Tregenza, The Design of Lighting
- Peter Tregenza & Michael Wilson, Daylighting, Architecture and Lighting Design, Routledge, New York, 2011
- Lighting Interior & Exterior, Elsevier – Architectural Press, Oxford 2004
- Bell J., Burt W., Designing Building for Daylighting, CIBSE, Watford 1995
- Phillips D., Daylighting: Natural Light in Architecture, Elsevier 2004
- Elizabeth Wilhide, Lighting: creative planning for successful lighting solutions, London Ryland Peters & Small, 1998
- Fuller Moore, Concepts and practice of architectural daylighting, Van Nostrand Reinhold, New York 1990
- Gary R. Steffy, Architectural lighting design, New York
- Rudolf Arnheim, Art and Visual Perception, A Psychology of the Creative Eye, University California Press, Berkeley, 1974
- Jun'ichiro Tanizaki In Praise of Shadows, An essay on Aesthetics, Vintage, 2001

Websites and links

- www.pldplus.com - Professional Lighting Design Magazine.
- https://www.arc-magazine.com/
- www.mondoarc.com - Mondo Arc
- http://www.lightingacademy.org - Lighting Academy.
- www.iald.org – International Association of Lighting Designers
- www.ies.org/lighting - Illuminating Engineering Society of North America, http://
- https://smlightarchitecture.com/
- www.dpalighting.com
- https://womeninlighting.com/
- https://www.lightingdesigninternational.com/
- https://www.lighting.co.jp/

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA603**	SEMESTER	**6**
SUBJECT TITLE		**Multimedia - Architectural Project Presentations**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 3	4	
TYPE OF SUBJECT		Compulsory Special Infrastructure Courses	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea603/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists of both theoretical and laboratory content. In the theoretical part, there is a serie of injectable theoretical and laboratory presentations that are constantly alternated, analyzed and discussed with the active participation of the students in the software, on the blackboard or with the use of multimedia or visual material. In the laboratory part, a serie of laboratory exercises of application of the theoretical presentations are performed. Students first complete individual laboratory exercises and then an individual integrated digital multimedia presentation of an architectural or other study.

Upon successful completion of the course the students will:

- have knowledge of developing multimedia applications for presenting architectural or other related project
- have digitized components of architectural interest
- be able to convert architectural elements into digital interactive elements
- be able to create online simulations on all digital media
- be able to develop interactive representations of scientific, professional or educational interest,
- be able to create scenarios, roles of spatial objects, overlapping spatial, design and descriptive information
- be able to optimize the ergonomics of a presentation-application through design or conventional programming,
- be able to highlight digital resources, contribute to participatory design, manage and render architecture as integrated digital interactive components
- be able to use and engage all the components of a multimedia application (image, video, text, motion, design, map, sound, etc.) in an interactive platform creating custom scenarios for presenting components, needs and objectives of an architectural study

b. Skills

- Special knowledge of the courses "Architectural conception with computers I and II"
- Creativity, imagination
- Analysis and synthesis of design data and information, using digital applications
- Autonomous work
- Ability to develop basic programming code
- Needs analysis, selection of data and how to highlight
- High aesthetics, graphic design approach
- Organizational spirit

3. Subject Context

The aim of the course is to raise students' awareness on issues related to methods of digital visualization - information simulation and audiovisual material with spatial reference (drawing, map, image, video, audio, text, etc.) and in particular through their presentation using interactive multimedia applications.

The availability and creation of high quality digital content as well as its processing and presentation is crucial to support

activities of spatial and architectural interest. The development of multimedia applications contributes significantly and in many ways to the presentation of an architectural project (digitization of components, conversion of architectural elements into interactive elements, web simulation, educational representation, script creation, roles of spatial objects, overlapping spatial, design and descriptive work programming development, digital resource promotion, digital participatory design, management of integrated interactive digital buildings, etc.).
The acquisition of basic knowledge and the development of skills, through a critical approach and adaptation of the subject to serve the needs of students, is achieved through the presentation of individual theoretical units and implementation of laboratory exercises.
The theoretical modules concern the introduction of basic theoretical concepts of multimedia and internet technology (material and process of multimedia development, image, design, modeling, rendering, audio-acoustics, etc.), methods - processes of information digitization, presentation of devices (hardware) and software features used to design, develop and use multimedia applications.
The laboratory exercises concern the acquaintance with basic functions of software design, creation, processing and reproduction of digital material which is used as an interaction environment between user and Computer. In particular, the laboratory exercises formed to modules are, among others, related to vector 3D modeling, virtual reality, audio and text in digital format, creating and editing digital images and videos, through the design, development and presentation of multimedia applications of architectural project.
The laboratory modules are framed by the presentation of a complete simulation platform and multimedia presentation under the approach of representation tools, exploration and analysis of space through a dynamic adaptation of new methodologies and software.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Theory and Design Workshops Theory Essay and Design Exercices Final Project Portfolio	
Use of Information and Communication Technologies	Computer software Multimedia and conventional presentations via PC Video projection	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	20
	Design Workshop and Excersices	30
	Main Design Project	20
	Research and Analysis of Bibliography	10
	Total	100
Student assessment	Theoretical written examination Multimedia Architectural project developement Laboratory examination via PC Digital portfolio organization	

5. Recommended/ Bibliography
• Dimitriadis, SN, Pomportsis, AS, Triantafyllou, EG, (2004), Multimedia Technology, Theory and Practice, Tziola Publications, ISBN 960-418-025-8, Thessaloniki-Athens • Pantano-Roku Franca, (2002), Interactive multimedia applications, Kritiki Publications, ISBN 978-960-218-257-4, Athens • Vaughan, T., (2002), Multimedia analytical guide 7th edition, Giourdas Publications, ISBN 978-960-512-528-5, USA, translated into Greek, Athens, 2002 • Steinmetz, R., Nahstend, K., (2002), Multimedia Theory and Practice, Giourdas Publications, ISBN 960-512-

330-4, USA, translated into Greek, Athens 2002
- Adobe Systems Icorporated, (2010), Adobe Flash Professional CS5 Step by Step, Giourdas Publications, ISBN 978-960-512-607-0, translated into Greek, Athens 2010
- Adobe Systems Icorporated, (2011), Actionscript 3.0 for Adobe Flash Professional CS5 Step by Step, Giourdas Publications, ISBN 978-960-512-607-0, translated into Greek, Athens 2011
- Russell Chun, (2019), Adobe Animate CC 2019 Release. Adobe Press Publications, ISBN-10: 0135298881, USA, 2019
- Kouzeleas, St., (2022), Electronic notes, Introduction to multimedia, Material and process of multimedia development, 2022
- Kouzeleas, St. (2022), Electronic notes, Image, drawing, sound-acoustics, 2022
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA604**	SEMESTER	**6**
SUBJECT TITLE		**Sociology of Space**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Interim reviews	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea604/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Upon successful completion of the course students will:

- be able to understand space as a field of social relations, processes and interdependencies.
- be able to understand the interaction between social practices and the built environment,
- be able to analyze the spatial structure as a result of social relations and culture in pre-capitalist and capitalist production.

b. Skills

- Analysis of social mechanisms
- Analysis of the operating rules and models that define social relationships
- Their impact on the configuration of the interior and exterior
- Respect for diversity and multiculturalism

3. Subject Context

Structure and function of modern society
Cities and buildings potential, their impact on social structure, behavior, actions and people's relationships
Production of built environment and ideology of the spatial reproduction
Interpretation of mechanisms and processes governing production and use of public and private space in different societies
Modern sociological approaches and their application to public and private interiors.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face	
Use of Information and Communication Technologies	Lectures with video projections	
Teaching organization	Activity	Semester ECTS
	Lectures	50
	Theory Essay	15
	Design Workshop and	

	Excersices	
	Main Design Project	
	Research and Analysis of Bibliography	10
	Total	75
Student assessment	Written examination Interim evaluation	

5. Recommended/ Bibliography

- Giddens A, SCταφρ. Τσαούσης Δ, Κοινωνιολογία, Εκδόσεις Gutenberg, Αθήνα 2002
- Bottomore, Κοινωνιολογία, Κεντρικά Προβλήματα και Βασική Βιβλιογραφία, Εκδόσεις Gutenberg, Αθήνα 1990
- Castells M., Πόλη και Κοινωνία, Ιδεολογία, Κοινωνιολογική Θεωρία και Σχεδιασμός, Ν. Σύνορα, Αθήνα 2003
- Τσαούσης Γ., Εισαγωγή στην Κοινωνιολογία, Η Κοινωνία του Ανθρώπου, Εκδόσεις Gutenberg, Αθήνα 1984
- Νικολαίδου Σ., Η Κοινωνική Οργάνωση του Αστικού Χώρου, Εκδ. Παπαζήσης, Αθήνα 1993
- Βρυχέα Α., Κατοίκηση και Κατοικία, Διερευνώντας τα Όρια της Αρχιτεκτονικής, Ελληνικά Γράμματα, Αθήνα 2003
- Hillier B., Hanson J., The Social Logic of Space, Cambridge University Press, Cambridge 1984

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA605**	SEMESTER	**6**
SUBJECT TITLE		**Interdisciplinary Approaches of Architectural Space**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 3	4	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea605/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists mainly of laboratory content with interpolated theoretical presentations. Parallel involvement of professors ("scientific advisors") of additional interdisciplinary specialties on the main subject of study with parity of weekly time involvement. Development of strategies on a main theme study by the professor in charge in direct synergy with the other professors - scientific advisors of different complementary specialties (eg architectural composition, visual arts, construction, digital technologies, etc.), (see course content).
In the laboratory, an individual or collective study on a main scientific topic is carried out, which is based on interdisciplinary approaches and complementary scientific specialties.
Upon successful completion of the course the students will be able to:

- adapt and be able to collaborate in a group and interdisciplinary study environment
- analyze and codify scientific needs
- compose different interdisciplinary information on a central study topic
- collaborate in parallel with different fellow students and professors approaching ascientific topic from many perspectives
- adapt knowledge, experiences and techniques to specific needs of the main subject of study
- contribute his/her knowledge, as well as recover and adapt new knowledge

b. Skills

- Needs analysis and information coding
- Ability to synthesize different types of knowledge and information
- Team spirit and adaptability
- Creativity and imagination
- Autonomous work
- Critical application of theoretical knowledge in practice

3. Subject Context

The course aims to raise awareness, adaptability and synergies between students and professors in a group and interdisciplinary study environment. The nature of the course allows the definition of a main theme subjected in multiple interdisciplinary approaches of architecture, which will involve many professors of different complementary specialties and will contribute to a holistic approach to the main theme of study.
In particular, each year the course will define, as a "core", a different subject (e.g. architectural composition, visual, construction, digital technologies, etc.), as well as the respective professor in charge who supervises the flow and the scientific approach to the study. At the same time, additional specializations of three other professors - "scientific advisors" (4 teachers in total) with different disciplines complete the interdisciplinarity of the study through different scientific perspectives. The temporal involvement of each professor is equal on a weekly basis, while their scientific contribution is adapted to the central scientific strategy and study that has been drawn up by the professor in charge.
The course enables either full employment of students in a single interdisciplinary study, or the creation of groups of

students in individual sections of the study (analytical approach), with the aim of final completion / final composition of the study (synthetic approach).

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Multimedia and/or conventional presentations via PC - video projection Computer programs	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Design Workshop and Excersices	20
	Main Design Project	50
	Project presentation	10
	Digital portfolio	10
	Total	100
Student assessment	Project design and presentation Laboratory examination Digital portfolio	

5. Recommended/ Bibliography
• Indicative basic bibliography from all course areas depending on the study that will be prepared (Architectural composition, Industrial design, Visual Arts and Space, Digital Representations and Technology) • Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA606**	SEMESTER	**6**
SUBJECT TITLE		**Visual Composition III, Product display**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea606/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course highlights the aesthetic prerequisites of product display in order to attract client attention. This happens through the appropriate management of current and past cultural moments as they take shape in various eras of artistic production as well a heightened understanding of colors, materials and shapes. The drawing principles of variety, scale, rhythm, order and repetition are examined with an emphasis to understanding how to properly apply them in order to create a successful promotion environment. The use of sustainable materials and sustainable, eco-friendly design is also a matter of concern and put under discussion.

b. Skills

- Applied knowledge
- Applying given data to a new context
- Cross platform environment (multi-disciplinatory subject: visual communication)
- Composition capabilities
- Understanding trendy, ephemeral and seasonal visuals
- Analytical thinking
- Respect to cultural differences
- Team Work, self-evaluation-self-presentation

3. Subject Context

3D applied designs concerning exhibition spaces and events and product displays. Understanding the geometry of space and the guidelines that allow an installation to become meaningful and significant. Relations between scale-quantity-space-materials-colors-volumes in merchandise display. The designs stretch to include altering weather/light conditions, transitional cultural moments and cultural awareness of a place and its traditions.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Personal Tutorial Group interaction Team Work Theoretical presentation

Use of Information and Communication Technologies	Multi media Screening	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Theory Essay	20
	Design Workshop and Excersices	30
	Main Design Project	30
	Research and Analysis of Bibliography	10
	Total	100
Student assessment	Written examination Progress work	

5. Recommended/ Bibliography

- Tsumas I, History of Decorative arts and Architecture, Ion, Athens
- Fillipidis D., Decorative Arts in Greek Architecture, Melissa, 1998
- Peponis J, The ephemeral Architecture of Shops in Issues about Space and Arts 19/1988
- Konstantopoulos I.Shops, in Issues about Space and Arts, 31/2000
- Andersen, P. & Salomon, D. L. 2010, The Architecture of Patterns, New York: W.W. Norton & Co.
- Colli S., Armani G., Display design, Loft Publ. Barcelona, Technotropia, 2003
- Garcia, M. 2009, Patterns of Architecture: Architectural Design, London: Wiley
- Ihde, D. Philosophy of Technics, Katoptro, Athens, 2004
- Hamdi Nabeel, The Placemaker's Guide to Building Community, Taylor & Francis Ltd , London, 2016
- Lerner, Jaime, Urban Acupuncture, Island Press, Washington, 2016
- Moussavi, F. 2009, The Function of Form, Barcelona and New York: Actar/Harvard University Graduate School of Design
- Weinschenk, Susan 2011, 100 Things Every Designer Needs to Know About People. New Riders

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA611**	SEMESTER	**6**
SUBJECT TITLE		**Industrial Design III**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea611/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The purpose of the course the student to be able to design with ease in a CAD environment, where he/she will then create the corresponding simulations for the product and make adjustments to the design based on the simulation results. He will also become familiar with machining software applied to industrial design.

After the successful completion of the course, students are expected to be able to:

- have developed design knowledge in a CAD environment
- be familiar with modern design technologies, as well as modeling and assembly of objects using CAD software
- apply simulation software for optimal industrial design
- interpret the results of simulation analysis based on the assumptions of the problem
- have acquired the basic knowledge of processing technologies and their application using appropriate programs on a PC.

b. Skills

- Student assessment
- Exercise criticism and self-criticism
- Understanding of construction technique
- Understand the concept of assembling an object
- Promoting the creative thinking
- Application of knowledge in practice

3. Subject Context

Applications of design theory to specific objects in order to produce them. The form of the industrial product as a system and as an object. Design and production processes. Shape, modern materials, color. Stereometry in the service of industrial shaping. Industrial aesthetics. Techniques for presenting the form of an industrial product (concept reporting and visualization).

Modern technology and industrial design. Electronic design technology and morphological research tools of the industrial product. Principles of standardization, "series" of a product and commercial aesthetics. Feasibility study. Cost-benefit analysis in the implementation of the form of an industrial product.

Technical specifications and certification of industrial product. Digital objects design applications. The object of use as a work of art. The importance of the object of use for decoration. Modern and postmodern object design practices.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis	

- Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Digital tools in industrial design applications	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Theory Essay	
	Design Workshop and Exercises	40
	Main Design Project	25
	Research and Analysis of Bibliography	
	Total	75
Student assessment	Exercises in industrial design Exams Project	

5. Recommended/ Bibliography
• Κουζέλης Α., Στοιχεία Βιομηχανικού Σχεδιασμού και Μορφοδοσίας Προϊόντων Χρήσης, Αθήνα 2008 • Thackara J., Design after Modernism, 1992 • Pile J., Dictionary of 20th Century Design, 1990 • Pile J., Design, Purpose and Meaning, 1979 • Πολλάλης Γ., Πατρινός Δ., Βιομηχανικό Marketing, 1999 • ΕΛΟΤ, Γενικός Κανονισμός Πιστοποίησης & Διασφάλισης Ποιότητας, Αθήνα 1993

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA612**	SEMESTER	**6**
SUBJECT TITLE		**Scenography I**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3

TYPE OF SUBJECT	Compulsory Elective
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea612/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

This course is an introduction in developing and creating 3d spaces based on theatrical text and focusing on imagination and creativity. It also introduces more abstract concepts and meaning such as the ephemeral space of theater.
At the end of the semester students will be able to:

- translate a short theatrical play into space with relevant architectural characteristics
- understand, evaluate and solve problems that are related to the aesthetics of a space
- understand and image the attributes and the quality of a space

b. Skills

- Research, analyze and combine data and information
- 3D design project of stage space
- Combination of information and data in the theatrical performances
- Project on an interdisciplinary field (literature, theater, spectacle)
- Promotion of multi task synthesis
- Promotion of creative and critical thinking
- Promotion of respect for diversity
- Individual and group project, self-criticism procedure

3. Subject Context

In this course students deal with the theatrical stage space as an artistic and spatial expression of their personal interpretation and self expression based on the meaning of a text. Concepts such as the design of “a space within a space” and the “ephemeral design” are introduced and discussed within an existing shell. The “scenographic composition” is the spatial environment that is designed and illustrated for a specific text.
During this course various approaches of interpretations and different results of the same text are demonstrated as artistic expressions. The methodology and organization of design proposals are also introduced to the students, as parts of transforming the “text into space” procedure.
The design exercises of the course are based on excerpts from theatrical plays, or on short literary texts and the main aim is the creation of scenographic compositions of short scale.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews

- Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	E-class material	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	-
	Design Workshop and Excersices	20
	Main Design Project	35
	Total	75
Student assessment		

5. Recommended/ Bibliography

- Adorno, Theodor W. (2000). Αισθητική θεωρία, Αθήνα, εκδ. Αλεξάνδρεια (2007)
- Ανδρεάδη, Ε. Γ. Μόραλης,Γ. Τσαρούχης, Ν.Χατζηκυριάκος –Γκίκας, ζωγραφική για το θέατρο, Μέγαρο Μουσικής 1998
- Βακαλό, Γ., Σύντομη Ιστορία της Σκηνογραφίας. Αθήνα: Κέδρος, 1979/2005
- ΚΘΒΕ, Ίχνη του ΕφήSCρου, ΚΘΒΕ 2018
- Πάτσας,Γ., Ο ήχος του άδειου χώρου σκηνογραφίες 1965-2005,ERGO, 2006
- Howard, P., Τι είναι σκηνογραφία, Εκδ. Επίκεντρο, 2005
- Related Scientific Journals

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA613**	SEMESTER	**6**
SUBJECT TITLE		**3D Modelling and Digital Representation using Reverse Engineering**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3

TYPE OF SUBJECT	Compulsory Elective
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea613/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Upon completion of the course, the students will have understood the reverse relationship that exists between a physical object and its digital CAD (Computer Aided Design) file. The "Reverse Engineering" deals with the possibility of having designs from any 3D component using a 3D laser scanner and a related software. Students will intervene in the digital file and incorporate the results into several applications.

b. Skills

- Application of knowledge in practice
- Employment of new digital technologies
- Autonomous work
- Adaptation to new situations and technologies, with the aim of the reverse process

3. Subject Context

The course approaches the possibility to transform a 3D object in a digitally editable file. A part captured with a Laser scanner can be converted to measurable and editable design tool for its subsequent application.
An industrial object that should be transformed into production without having the original designs, it could be captured in 3Ds and converted into dynamics surface for digital transformation.
A 3D captured object is possible to be digitized and transformed from a sculptural visual approach to a digital file to its manufacturing with a CNC machine.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	CAD software and 3D laser scanner	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	

	Design Workshop and Exercises	20
	Main Design Project	35
	Research and Analysis of Bibliography	
	Total	75
Student assessment	Design in CAD software Written examination Project	

5. Recommended/ Bibliography

- Βασικές Αρχές Συστημάτων CAD/CAM/CAE, KUNWOO LEE, Εκδόσεις Κλειδάριθμος, 2009, Αθήνα
- Συστήματα CAD/CAM και Τρισδιάστατη Μοντελοποίηση, Ν.Α Μπιλάλης, Ε. Μαραβελάκης, Εκδόσεις Κριτική
- Σχεδιασμός Προϊόντων, Κυράτσης Παναγιώτης, Ευκολίδης Ν., Μηνάογλου Π., Μανάβης Α., Εκδόσεις Τζιόλα, 2021
- Αντωνιάδης Αριστομένης, Μηχανολογικό Σχέδιο, 3η Έκδοση, Εκδόσεις Τζιόλα, 2018
- Μουρούτσος Σ. Μάλλιαρης Γ., Τεχνικό Σχέδιο, Εκδόσεις Τσότρας, 2016
- Simmons C., Maquire D., Manual of Engineering Drawing, 4th Edition, Elsevier, 2014
- Richard G Budynas, Keith J Nisbett, Mechanical Engineering Design, 10th Edition, McGraw-Hill Education, 2014
- Peter R. N. Childs, Mechanical Design Engineering Handbook, Kindle Edition, 2013
- Richard G Budynas, Keith J Nisbett, Shigley's Mechanical Engineering Design, 9th Edition, McGraw-Hill Higher Education, 2011

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA614**	SEMESTER	**6**
SUBJECT TITLE		**Visual Composition using Computer II**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3

TYPE OF SUBJECT	Compulsory Elective
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea614/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Acquisition of knowledge in the use of specialized digital programs for two-dimensional images that can be applied to 3D space.
The knowledge of new media includes the handling of digital programs, the understanding of the aesthetic qualities and the possibilities of using new media (new technology and know-how in the production of images), and aesthetic/visual qualities involved in the production of digital work.

b. Skills

- Technological and technical knowledge
- Independent or team work
- Production of visual artwork with an image that changes over time.
- Familiarity with specialised computer programs
- Working in an international environment

3. Subject Context

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face and visual applications in the computer lab	
Use of Information and Communication Technologies	Lectures with video projections Theoretical Papers using electronics Sources	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Theory Essay	-
	Design Workshop and Excersices	50

	Main Design Project	15
	Research and Analysis of Bibliography	-
	Total	75
Student assessment	Written examination Progress work	

5. Recommended/ Bibliography

- 3DTotal.com, Digital Painting Techniques : Practical Techniques of Digital Art Masters, Taylor & Francis Ltd, Oxford, 2009
- Friedberg, Anne, The virtual Window: from Alberti to Microsoft, MIT Press Ltd, Cambridge, Mass. 2009
- Jennings, Gabrielle, Abstract Video : The Moving Image in Contemporary Art, University of Kalifornia Press, Berkeley, 2015
- Kholeif, Omar, Moving Image, MIT Press Ltd, Cambridge Mass., 2015
- Kwastek, Katja, Aesthetics of Interaction in Digital Art, MIT Press, Ltd, Cambridge, Mass. USA, 2015
- Paul, Christiane, Digital Art, Thames & Hudson Ltd, London, 2009
- Rush, Michael, New Media in Art, Thames & Hudson Ltd, London, 2005
- Shanken, Edwart, A., Blazwick Iwona (eds), Systems, MIT Press Ltd, Cambridge, Mass. USA, 2015

1. General Information				
SCHOOL		School of Design Sciences		
DEPARTMENT		Interior Architecture		
STUDY LEVEL		Undergraduate		
CODE OF SUBJECT	**EA615**	SEMESTER		**6**
SUBJECT TITLE		**Indoor Acoustics**		
TEACHING CONTENT	Hours per Week		ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3		3	
TYPE OF SUBJECT		Compulsory Optional		
PREREQUIRED COURSES		NO		
TEACHING AND EXAMS LANGUAGE		GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES		
Course website (URL)		https://ia.ihu.gr/ea615/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course of Indoor Acoustics (related term: architectural acoustics) aims to raise awareness and familiarize students with acoustic design problems in rooms with special requirements. It indicates the importance of sound as a key feature of space that affects spatial architectural design and conception. The course consists of both theoretical and laboratory content related to architectural acoustics.

Upon successful completion the students will:

- be familiar with acoustic design problems in rooms with special requirements
- have developed awareness in acoustic design issues that directly affect spatial planning and the process of architectural concept
- be able to design or correct the acoustics of spaces
- know the principles of geometric acoustics and sound propagation and analysis
- be familiar with the acoustic parametres of measurement and evaluation in order
- be able to evaluate the architectural acoustic quality of a space
- be able to import digital models to specialized acoustic software for the purpose of acoustic simulation (ray calculation, acoustic parameters)

b. Skills

- Knowledge of the basics in geometry & algebra
- Geometric design
- Digital Design
- Personal assignment
- Spatial perception
- Application of theoretical knowledge in practice

3. Subject Context

Indoor Acoustics (related term: architectural acoustics) aims to raise awareness and familiarize students with the principles of acoustic design in rooms with special requirements (theatre, multipurpose hall, concert hall, training hall, etc.).

The theoretical part of the course examines the importance of sound as a key feature of space, affecting spatial design, involving a historic overview of acoustic design, introduction to the theory of sound, acoustic phenomena, acoustic comfort, basic acoustic indices, sightline design, image-source method etc.

The laboratory part is related to small exercises regarding the theory of sound, sound propagation, reflection etc., the concept stage of architectural/ acoustic design based on the principles of geometric acoustics, as well as to the measurement and calculation of basic acoustic indices.

The course involves the design of a small-scale space, purposely built for oral performances (theatre, auditorium), in terms of the architectural concept, the calculation of optimum acoustic parameters, the use of acoustic software design and the appropriate material use and application.

<table>
<tr><th colspan="3">4. Teaching and learning methods – Evaluation and assessment</th></tr>
<tr><td>- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2">The module combines teaching and learning methods described in this section, allowing for a comprehensive approach that integrates theory and design.</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Powerpoint presentations and video projections
CAAD
Online Research</td></tr>
<tr><td rowspan="6">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td>10</td></tr>
<tr><td>Design Workshop and Exercises</td><td>20</td></tr>
<tr><td>Main Design Project</td><td>40</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>10</td></tr>
<tr><td>Total</td><td>100</td></tr>
<tr><td>Student assessment</td><td colspan="2">Exercises & Precedent Presentation
Design Project
Portfolio assessment</td></tr>
</table>

5. Recommended/ Bibliography

- Beranek, L. (1996), Concert and opera halls: How they sound, Acoustical Society of America
- Efthimiatos, D. (2007), Acoustics and construction applications, Athens, Papasotiriou Publications
- Everest A. F., (1998), The master handbook of acoustics (3rd edition), Thessaloniki, Tziola Publications.
- Neufert, E. (2003), Neufert, architects' data (36th German edition 2000), Giourdas Publications [in Greek]
- Skarlatos, D. (2003), Applied Acoustics, Athens, Philomatheia Publications
- Tsinikas, N. (2010), Architecture and music, Thessaloniki, University Studio Press [in Greek].
- Tsinikas, N. (2018), Acoustic design of spaces (3rd edition), Thessaloniki, University Studio Press [in Greek]
- Related Scientific Journals (Applied Acoustics, JASA etc)

15.7 7th Semester Courses

1. General Information				
SCHOOL		School of Design Sciences		
DEPARTMENT		Interior Architecture		
STUDY LEVEL		Undergraduate		
CODE OF SUBJECT	**EA701**	SEMESTER		**7**
SUBJECT TITLE		**Interior Architecture VII**		
TEACHING CONTENT	Hours per Week		ECTS	
Lectures, Essays, Design Workshops, Design Project – Portfolio of work.	2 4		8	
TYPE OF SUBJECT		Compulsory Elective		
PREREQUIRED COURSES		NO		
TEACHING AND EXAMS LANGUAGE		GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES		
Course website (URL)		https://ia.ihu.gr/ea701/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The epistemological content of this unit focuses on the reuse of architectural shells, combined with the subject of interior and exterior design.
The course aims to support, cultivate and develop the students' ability to intervene and re-shape interior spaces in existing buildings, and to invent new uses and new ways of integration and adaptation to the place, but also to the contemporary environment and emerging way of living.
Additionally, the unit aims at raising students' awareness on perception of future architectural design manifestations on exploitation of existing building stock in profound harmony with nature.
This unit is expected to contribute to:

- the understanding of the importance of reintegrating existing buildings into contemporary environment
- the critical reflection on the relationship between building and its exterior

Students' synthetic familiarity with the emerging complexity of thresholds between interior and exterior terrains
Through their participation in this unit, students will have:

- practiced their synthetic abilities on spatial continuity between indoor and outdoor spaces
- trained in a coherent design process of residential, catering, production and leisure building programs
- developed their skills in advanced design tools as related to emerging complexity of materiality

b. Skills

The course is organized in two axes, theory and application. These axes work in unison, with the theory evolving gradually and supporting the implementation part throughout the course. The theory includes lectures by the course instructors as well as visiting teachers. The theoretical background is supported in parallel with educational visits to selected sites. The applied / laboratory part of the course includes laboratory work. Students undertake to study a topic related to the subject of the course.
Upon successful completion of the course students will be:

- able to study, methodically, synthetically and creatively, places related to dwelling and culture belonging to the Greek architectural heritage
- aware of issues of protection and promotion cultural heritage, with the aim of upgrading the environment and improving the quality of life
- able to know and apply the safety rules and regulations concerning the autonomous, equal and safe access and movement of all users in public places
- able to follow an analytical and synthetic process with the support of the formation of their ideas (concept)

The students will also have:

- developed their personal creativity.

acquired the ability to evaluate research results and their composition.

the opportunity to develop and publicly support their design choices in their studies.

- acquired critical thinking and speech.
- cultivated the spirit of cooperation

3. Subject Context

The content of the specific synthetic course of the 7th semester focuses on the creative design of interiors related to Greek architectural heritage. The design approach of these spaces is done through the reflection, exploration and familiarization of students with concepts related to the architectural cultural heritage and its reuse. Industrial heritage has historical, architectural, technological, social and scientific value for each place (TICCIH 2003) The course is organized in two axes, theory and application. These axes work in unison, with the theory evolving gradually and supporting the implementation part throughout the course. Through the Theory and Design section, students experiment and create new places of dwelling.

The theory includes lectures with the following topics as Cultural Heritage, Industrial Heritage, Reuse of Industrial Premises

The theoretical part is completed with the elaboration by the students of individual work on a topic related to the subject and is publicly supported on a scheduled date. The applied / laboratory part includes a study (project) that concerns the intervention and the overall synthetic configuration of a space in a specific building shell of the Industrial heritage.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	40
	Theory Essay	30
	Design Workshop and Excersices Main Design Project	100
	Research and Analysis of Bibliography	30
	Total	200
Student assessment	Theory Essay Main Design Project	

5. Recommended/ Bibliography

- Rapoport, A., Φιλιππίδης, Δ., (2010), Ανώνυμη Αρχιτεκτονική και Πολιτιστικοί Παράγοντες, Αθήνα, Εκδ. Μέλισσα
- Γεωργιάδου, Ζ, (2017), Δομικά και διακοσμητικά Υλικά, Αθήνα: Εκδόσεις ΝηSCρτής
- Ζήβας Δ, (1997), Τα μνηSCία και η πόλη, Αθήνα, εκδόσεις Libro
- Καρδαμίτση-Αδάμη Μ, (2006), ΈρνστΤσίλλερ, 1837-1923, Αθήνα, Εκδ. Μέλισσα
- Κονταράτος Σ., (1986), Αρχιτεκτονική και παράδοση: Ιδεολογίες, πρακτικές και προβλήματα στη χρήση του αρχιτεκτονικού παρελθόντος, Αθήνα, Καστανιώτης
- Λάβας, Γ, (2010), Ζητήματα Πολιτιστικής Διαχείρισης, Αθήνα, Εκδ. Μέλισσα
- Μιχελή Λ., (1994), Η Αθήνα των Ανωνύμων, Αθήνα, Γαλάτεια
- Μπίρης Κ.,(1996), Αι Αθήναι Από τον 19ον εις τον 20ον αιώνα, Αθήνα, εκδόσεις Μέλισσα

- Μπίρης Μ, ΚαρδαμίτσηΑδάμη Μ.,(2001), Νεοκλασική Αρχιτεκτονική στην Ελλάδα, Αθήνα, εκδόσεις Μέλισσα
- Μπίρης, Μ, (2003), Αθηναϊκή Αρχιτεκτονική, Αθήνα: Εκδ. Μέλισσα
- Παπαϊωάννου Κ., (2003), Το Ελληνικό Παραδοσιακό Σπίτι, Αθήνα, Εκδόσεις ΕΜΠ
- Φιλιππίδης Δ,(1984), Νεοελληνική Αρχιτεκτονική, Αθήνα, εκδόσεις Μέλισσα
- Φιλιππίδης Δ, (1998), Διακοσμητικές Τέχνες, Αθήνα, εκδόσεις Μέλισσα
- Φιλιππίδης Δ, (2005), Αρχιτεκτονικές SCταμορφώσεις I & II (2 τόμοι), Αθήνα, Εκδ. Μέλισσα
- Συλλογικό, (1984), Ελληνική Παραδοσιακή Αρχιτεκτονική, Τόμος Ι,ΙΙ, ΙΙΙ,IV, V,VI, VII, VIII, Αθήνα, Εκδ. Μέλισσα

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA702**	SEMESTER	**7**
SUBJECT TITLE		**Landscaping**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	4	4

TYPE OF SUBJECT	Compulsory
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea702/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The epistemological content of this unit forms an introduction to the fundamental principles of landscape design. Students will become familiar with the era of designing outdoor spaces, within residential environments, entertainment spaces, recreational spaces, educational spaces, production spaces, cultural & sports facilities, and other related briefs. The unit is expected to familiarize students with urban space, and small-scale public spaces.
The unit is expected to contribute:

- In the introduction to the design of outdoor space with its synthetic identifications
- In understanding the importance of outdoor space and landscape in serving specific building programs
- In a critical reflection on the relationship between interior and exterior space
- In the synthetic familiarity with small-scale outdoor spaces
- Familiarity with the design of small-scale landscape infrastructure
- Through their participation in this unit, students:
- will practice small-scale outdoor space design skills
- will develop critical ability regarding spatial thresholds and advanced conceptual contradictions
- will develop advanced design tools in relation to emerging complexity of materiality

b. Skills

- Practice in outdoor design in combination with indoor architecture.
- Compilation and presentation of a complete study of interior & exterior architecture.

3. Subject Context

Outdoor design, outdoor design features. Relationship between indoor and adjacent outdoor space. Construction details of outdoor constructions. Outdoor applications of residential areas, entertainment areas, educational facilities (kindergartens & nurseries). "Small garden" design.
Design and construction of outdoor urban furniture.
Compilation of a complete study of architectural design of interior & exterior space as a single unit.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up	Face to face

- Portfolio Hand In		
Use of Information and Communication Technologies	Lectures with video projection, digital worksdesign & representation of outdoor spaces.	
Teaching organization	Activity	Semester ECTS
	Lectures	25
	Theory Essay	
	Design Workshop and Excersices	50
	Main Design Project	25
	Research and Analysis of Bibliography	
	Total	100
Student assessment	Written Examination Laboratory Assignment Evaluation of Progress works	

5. Recommended/ Bibliography

- Ανανιάδου – Τζημοπούλου Μ., Αρχιτεκτονική Τοπίου & Σχεδιασμός Αστικών Χώρων, Ζήτη, Θεσσαλονίκη 1997
- Ανανιάδου – Τζημοπούλου Μ., Σχεδιασμός Αντικειμένων Αστικών Χώρων, Ζήτη, Θεσνίκη 1995
- Ανανιάδου – Τζημοπούλου Μ., καραδήμου – Γερόλυμπου Α., Πλατείες της Ευρώπης, Ζήτη, θες/νίκη 2009
- Ανανιάδου - Τζημοπούλου Μ., Μουρατίδου Γ., Δουδούμη Κ., Το Ννερό στην Αρχιτεκτονική του Αστικού Τοπίου, Ζήτη 2008
- Κοσμόπουλος Π., Μιχαλοπούλου Κ., Περιβαλλοντικός σχεδιασμός- Συνθήκες άνεσης και μικροκλίμα σε υπαίθριους αστικούς χώρους, University studio Press, 2017

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA703**	SEMESTER	**7**
SUBJECT TITLE		**Visual Composition IV**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	6	6

TYPE OF SUBJECT	Compulsory
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea703/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course introduces students to the design of ephemeral art installations, exhibition stands, spaces for events. The aim of the design is its operation not only at the construction level but also the communication and interaction of the space and construction with its visitors/users. The research process has as its goal the development of new possibilities using even exclusively recyclable materials or no longer useful objects with the use of which students can produce new "ideas".

After the end of the course, the students will be able to:

- develop critical thinking skills and solving complex design problems
- choose the appropriate materials for the creation of ephemeral constructions
- cultivate ecological awareness by using recyclable and non-energy-intensive materials, as well as by using useless objectsacquire knowledge of basic issues related to on-call construction
- understand the mental framework of a visual proposal, the dialogue that develops between work and space
- undertake the creation of visual installations of a thematic nature - they can participate in organized artistic actions-exhibitions with individual or group projects
- understand the basic rules of display that govern the creation of exhibition rooms
- recognize the artistic style of a visual or architectural project and can adapt an idea to it

b. Skills

- Development of critical thinking
- Decision making
- Autonomous work
- Promoting free, creative and inductive thinking
- Application of knowledge in practice

3. Subject Context

The course introduces students to the design of ephemeral art installations, exhibition stands, spaces for events [events]. The aim of the design is its operation not only at the level of construction but also the communication and interaction of the space and the construction with its visitors / users.

Throughout the course, it is also examined the dual importance of the ephemeral installation as time-limited - if it exists for as long as the relationship between people and events that gave rise to it - as well as its relationship with the given environment.

The construction proposals incorporate advanced, flexible and recyclable materials.

Significant aim of the subject is for the students to develop critical thinking skills, solve complex design problems and finally to acquire knowledge of basic issues related to the on-call construction.

The course is organized with lectures that support the design application (project).

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face	
Use of Information and Communication Technologies	Lectures with video projection, digital processing and project presentation	
Teaching organization	Activity	Semester ECTS
	Lectures	50
	Theory Essay	50
	Design Workshop and Excersices	-
	Main Design Project	50
	Research and Analysis of Bibliography	-
	Total	150
Student assessment	Written examination Theory Essay Project	

5. Recommended/ Bibliography

- Buley, Leah 2013, The User Experience Team of One: A Research and Design Survival Guide. Rosenfeld Media, Brooklyn, New York
- Moussavi, F. 2009, The Function of Form, Barcelona and New York: Actar/Harvard University Graduate School of Design
- Μπέργκερ, Τ. 2011, Η Εικόνα και το Βλέμμα, Εκδόσεις SCταίχμιο, Αθήνα
- Norman, Donald A. 2005, Emotional Design: Why We Love (or Hate) Everyday Things. Basic Books
- Ξαγοράρης, Π. 1996, SCτασχηματισμοί Δομές και SCσότητες στην Τέχνη, Εκδόσεις Παρατηρητής, Θεσσαλονίκη
- Weinschenk, Susan 2011, 100 Things Every Designer Needs to Know About People. New Riders
- Related Scientific journals

1. General Information				
SCHOOL		School of Design Sciences		
DEPARTMENT		Interior Architecture		
STUDY LEVEL		Undergraduate		
CODE OF SUBJECT	**EA704**	SEMESTER	**7**	
SUBJECT TITLE		**Legislation, Project Design, Project Management and Costing**		
TEACHING CONTENT		Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.		2	2	
TYPE OF SUBJECT		Compulsory		
PREREQUIRED COURSES		NO		
TEACHING AND EXAMS LANGUAGE		GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES		
Course website (URL)		https://ia.ihu.gr/ea704/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

During the course, students come into contact with the legislative framework (urban planning, labor, etc. legislation) that governs all studies and constructions of interior spaces and familiarize themselves with the faithful application of current legislation.
Upon successful completion of the course students will acquire specialized knowledge in order to prepare and apply successfully the technical specifications of furniture and industrial products and will become familiar with the concept of economic and technical studies for each technical and industrially produced object.

b. Skills

- Application of knowledge in practice
- Application of digital technologies
- Project planning and management
- Work in an interdisciplinary environment (legislation)
- Respect for diversity
- Individual and group work, self-criticism exercise

3. Subject Context

Urban planning legislation regarding studies and constructions of interior spaces. Special town-planning provisions related to the disabled, special-use buildings, certification of materials and the way of shaping wall, floor and ceiling surfaces.
Labor legislation related to interior constructions and craft or industrial production of objects.
Safety specifications for indoor users.
Safety specifications for furniture and industrial products regarding their use or production.
Economic studies on any industrial product or furniture.
Costing and financial studies (offer) of interior architectural studies. Compilation of a file of architectural proposals and financial offers.
Project management, scheduling and task planning.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises	Face to face

- Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Compilation of studies, offers, schedules with digitalprograms	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	-
	Design Workshop and Excersices	30
	Main Design Project	-
	Research and Analysis of Bibliography	-
	Total	50
Student assessment	Written examination Laboratory work	

5. Recommended/ Bibliography
• Related Scientific Journals

1. General Information			
SCHOOL	School of Design Sciences		
DEPARTMENT	Interior Architecture		
STUDY LEVEL	Undergraduate		
CODE OF SUBJECT **EA705**	SEMESTER	**7**	
SUBJECT TITLE	**Sustainable Design**		
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 2	3	
TYPE OF SUBJECT	Compulsory		
PREREQUIRED COURSES	NO		
TEACHING AND EXAMS LANGUAGE	GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES		
Course website (URL)	https://ia.ihu.gr/ea705/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Upon completion of the course, students are expected to have acquired skills related to:

- understanding climate and microclimate and their influence on the ecosystem and the building design
- environmental problems at the scale of urban space
- the mechanisms of capturing solar radiation, storing heat and the processes of natural cooling and ventilation of buildings
- the utilization of solar radiation for the heating and cooling of buildings with solar passive systems
- the thermal balance of buildings and its correlation with the need to save energy
- the factors and mechanisms shaping thermal and visual comfort conditions
- the role of planting in the surrounding area and its contribution to the energy function of the building
- the role of materials in the energy performance of buildings
- the contribution of renewable energy sources to covering the thermal/cooling load of buildings
- the techniques of energy upgrading of buildings

b. Skills

- Putting knowledge into practice
- Applying digital technologies
- Respect for the natural environment
- Implementing sustainability
- Implementing bioclimatic operation of buildings
- Working in an interdisciplinary environment
- Respect for diversity
- Individual and group work, self-critical exercise

3. Subject Context

The artistic creation from the Renaissance to the 19th century art movements. Art in the Renaissance. Baroque, Rococo and Classicism. The 19th century art movements until the beginning of the 20th century. The history of architecture and interior design from the Renaissance to the early 20th century. Building applications of the Renaissance, Baroque, Rococo, and Classicism. Association between the architectural style and the furniture style. Classicism in the newly formed Greek state and neoclassicism in Greece.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits	Face to face

- Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Lectures with video projections Theoretical Papers using electronics Sources	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	-
	Design Workshop and Excersices	40
	Main Design Project	15
	Research and Analysis of Bibliography	-
	Total	75
Student assessment	Written examination Progress work	

5. Recommended/ Bibliography
• Olgyay A., Olgyay V, Solar Control and Shading Devices, Princeton University Press, Princeton • Raymond C., Richard L., (ed) Buildings, Culture and Environment, Blackwell, Oxford 2003

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA706**	SEMESTER	**7**
SUBJECT TITLE		**Lecture, Research Topic**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 1	4

TYPE OF SUBJECT	Compulsory
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea706/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Familiarity with the scientific research process.
Familiarity with writing a scientific paper.
Writing a concise research abstract.
Research introduction development.
Familiarity with finding appropriate bibliographic references (sources, extracting and summarizing sections, inclusion in the research paper, etc.).
Familiarity with the creation of methodological research schemes & diagrams.
Comparisons of relevant studies, bibliographic references, results.
Construction, adaptation of steps (phases) of research methodology.
Recording research results (advantages, disadvantages, comparisons, perspectives, etc.) Organization of a public presentation of an individual scientific work

b. Skills

- Search and analyze data
- Writing scientific research papers
- Autonomous Work

3. Subject Context

The Lecture Research Topic course is an individual research project.
The research paper can either take the form of a theoretical essay of at least 5000 words, or the form of findings by exploring an issue in one of the Department's directionsand,or it can be a combination of both. The research paper can be based on bibliographic, statistical and field research.
The Final presentation and examination is a public lecture, which lasts for 30-45 minutes.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In

Use of Information and Communication Technologies	Searching digital bibliographic sources, Writing research paper and public presentation with the use of contemporary digital media	
Teaching organization	Activity	Semester ECTS
	Research	50
	Theory Essay/issues	30
	Design Workshop and Excersices	
	Main Design Project	20
	Research and Analysis of Bibliography	
	Total	100
Student assessment	Research Theory Essay - Public presentation	

5. Recommended/ Bibliography

- Ντάνος, Α., (2016), SCθοδολογία Συγγραφής Πτυχιακών Εργασιών και Επιστημονικών SCλετών, Αθήνα, Σύγχρονη Εκδοτική ΕΠΕ
- Μπουρλιάκος, Β., (2010), Πώς Γράφεται μια Επιστημονική Εργασία, Αθήνα, Διόνικος
- Ζαφειρόπουλος, Κ., (2015), Πώς Γίνεται μια Επιστημονική Εργασία, Αθήνα, Εκδόσεις Κριτική
- Babbie, E. (2011), Εισαγωγή στην κοινωνική έρευνα, Αθήνα,Εκδόσεις Κριτική
- Λατινόπουλος, Π., (2010), Τα πρώτα βήματα στην έρευνα, Αθήνα, Εκδόσεις Κριτική

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA711**	SEMESTER	**7**
SUBJECT TITLE		**Scenography II**	

TEACHING CONTENT	Hours per Week	ECTS
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3

TYPE OF SUBJECT	Compulsory
PREREQUIRED COURSES	NO
TEACHING AND EXAMS LANGUAGE	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES
Course website (URL)	https://ia.ihu.gr/ea711/

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

This course is an introduction in developing and creating 3d spaces based on theatrical text and focusing on imagination and creativity. It also introduces more abstract concepts and meaning such as the ephemeral space of theater.
At the end of the semester students will be able to:

- perceive and distinguish new technologies in contemporary performances
- recognize the new media applied in contemporary scenography
- understand and distinguish these elements and their symbolism
- understand the theatrical space and visualize its architectural possibilities

b. Skills

- Application of theory in practice
- Application of digital technologies
- Work in 3d space
- Synthesis of data in the production of theatrical plays
- Working in an interdisciplinary environment (literature, theater/performance/technology)
- Understanding critical thinking and decision making
- Respect for diversity and non-discrimination
- Individual and group work

3. Subject Context

The course focuses in the relationship and the co-existence of the physical and digital space in theatrical plays and performances through academic research on this area. At the same time it aims in improving the students' perspective and understating of the space, their crafting skills and their creativity.
Research and experimentation with new digital means as a tool for shaping digital stage environments. Short experimental scenography projects are prepared by the students (either in small groups or individually) throughout the semester.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises	Face to face

- Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Lectures with video projections Theoretical Papers using electronics Sources	
Teaching organization	Activity	Semester ECTS
	Lectures	-
	Theory Essay	-
	Design Workshop and Excersices	50
	Main Design Project	25
	Research and Analysis of Bibliography	-
	Total	75
Student assessment	Written examination Project portfolio	

5. Recommended/ Bibliography

- Performance and technology, Basingstoke [England], New York, Palgrave Macmillan
- Delgado, M. M., & Svich, C. (2002), Theatre in crisis?: performance manifestos for a new century, Manchester University Press
- Dixon, S. (2007), Digital performance: a history of new media in theater, dance, performance art, and installation, Cambridge, Mass, MIT Press
- Kockelkoren, P. (2003), Technology: art, fairground, and theatre, Rotterdam, NAi Publishers
- Lunenfeld, P. (1999), The digital dialectic: new essays on new media, Cambridge, Mass., MIT Press
- Manovich, L, (2001), The Language of New Media, Cambridge, MA, MIT Press
- Salz, D. Z. (2004), Performing arts. In S. eds. Schreibman, R. G. Siemens & J. Unsworth(Eds.), A companion to digital humanities, Malden, MA; Oxford, Blackwell Pub

1. General Information			
SCHOOL	School of Design Sciences		
DEPARTMENT	Interior Architecture		
STUDY LEVEL	Undergraduate		
CODE OF SUBJECT **EA712**	SEMESTER	**7**	
SUBJECT TITLE	**Furniture Design III**		
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 2	3	
TYPE OF SUBJECT	Compulsory Elective		
PREREQUIRED COURSES	NO		
TEACHING AND EXAMS LANGUAGE	GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES		
Course website (URL)	https://ia.ihu.gr/ea712/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

Upon successful completion of the course students will have acquired the following necessary skills/abilities:

- Development of the design and manufacturing methodology of the furniture. Design and construction methodology of indoor and outdoor furniture
- Design and construction of spatial utilitarian compositions of interior and public urban spaces. Interactive design and interaction that takes place and develops between humans, furniture and systems in a variety of combinations, while the specific research field provides the appropriate framework for students to design furniture, analyze and evaluate the interaction between space computational artefacts
- Methods, techniques and practices developed for the study and analysis of specific interaction
- Development of innovative furniture by differentiating it from its competitive counterparts, active participation in matters of improved quality and performance, better ergonomics, safety and reliability
- Development of the design and manufacturing methodology of the furniture. Design and construction methodology of indoor and outdoor furniture
- Design and construction of spatial utilitarian compositions of interior and public urban spaces. Interactive design and interaction that takes place and develops between humans, furniture and systems in a variety of combinations, while the specific research field provides the appropriate framework for students to design furniture, analyze and evaluate the interaction between space computational artefacts. Methods, techniques and practices developed for the study and analysis of specific interaction
- Development of innovative furniture by differentiating it from its competitive counterparts, active participation in matters of improved quality and performance, better ergonomics, safety and reliability

b. Skills

- Search, analysis and synthesis of data and information,
- Autonomous work
- Exercise criticism and self-criticism
- Understanding of construction technique
- Understanding the concept of assembling an object
- Design and industrial production
- Organization of industrial production
- Promotion of free, creative and inductive thinking
- Application of knowledge in practice

3. Subject Context

The theoretical analysis of the furniture manufacturing methodology.

Furniture design & ergonomic study. Design and production process. Manufacturing processes. Characteristics of furniture manufacturing materials (plastics, polycarbonates, wood and metals). Design and construction of spatial utilitarian compositions of interior and public urban spaces. Construction of equipment - furnishing of urban areas. Applications of theoretical furniture in visual spaces. Furniture and construction design with digital design (construction & perspective drawings, presentation with virtual tour applications)

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face Digital furniture design applications, assembly site representation, drafting specification issues	
Use of Information and Communication Technologies	Design applications, drafting Specification issues	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Theory Essay	
	Design Workshop and Excersices	40
	Main Design Project	10
	Portfolio/Issues	15
	Research and Analysis of Bibliography	-
	Total	75
Student assessment	Written Examination Laboratory Work Project Presentation Compilation of portfolio	

5. Recommended/ Bibliography
• Archittonic, Looking for the Best Chairs, Παπασωτηρίου, Αθήνα 2007 • Slackl, What is a Product Design, Παπασωτηρίου 2006 • Habeggar J., Osman S., Sourcebook of Modern Furniture, Amazon 2004

1. General Information			
SCHOOL	School of Design Sciences		
DEPARTMENT	Interior Architecture		
STUDY LEVEL	Undergraduate		
CODE OF SUBJECT **EA713**	SEMESTER	**7**	
SUBJECT TITLE	**Innovative Interactive Digital Applications**		
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 2	3	
TYPE OF SUBJECT	Compulsory Elective Specialty Course		
PREREQUIRED COURSES	NO		
TEACHING AND EXAMS LANGUAGE	GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES		
Course website (URL)	https://ia.ihu.gr/ea713/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course consists mainly of laboratory content with injectable theoretical presentations that are analyzed and discussed with the active participation of students either in sofware application, on the blackboard or with the use of multimedia / visual material and the the use of special digital equipment. In the laboratory part, a series of small laboratory exercises for the application of theoretical presentations are performed. Students then develop an individual or group integrated digital interactive application.

Upon successful completion of the course the students will:

- have knowledge of the basic theoretical concepts and tools of digital design,
- be able to adapt and personalize (customizing) digital interactive applications to specific needs (architecture, educational, computing, etc.) in all digital media (PCs, smartphones, tablets, etc)
- be able to develop applications of virtual tour and virtual reality (VR) with or without the use of special digital equipment (special glasses, smartphones, computer interfaces, etc)
- be able to browse real-time architectures in VRML virtual reality environments across all digital media
- be able to independently monitor and update the development of the respective technology
- be able to manage and communicate the components and properties of an architectural space in a more interactive, intimate and holistic way.

b. Skills

- Knowledge of digital and multimedia design
- Synthesis of design data and information, using digital applications
- Needs analysis and information coding
- Ability to synthesize different types of knowledge and information
- Team spirit and adaptability
- Creativity imagination
- Autonomous work
- Spatial perception
- Critical implementation and application development approach as a tool to address specific needs and not as a tool to highlight technological capabilities.

3. Subject Context

Modern and innovative digital technological applications create and process spatial components in a way that affects both the spatial perception and the architectural conception process itself. The purpose of the course, in addition to the obvious provision of knowledge and techniques is mainly to raise awareness and constantly update students on technology issues related to space, its components and properties.

The theoretical approach of the course consists mainly a) in the presentation of the possibilities and technology options as tools for adaptation and solution of specific architectural or related needs and b) in the presentation of the advantages and the contribution of the new innovative spatial digital applications in all scientific approaches and processes of architectural space (spatial perception, conception, analysis, composition, etc.) mainly through modern interactive digital representations.
The laboratory approach of the course consists of a critical presentation of innovative interactive digital applications both in terms of usability and in terms of customization. Digital applications relate to integrated spatial studies that are sometimes governed by custom interactive virtual tours, VR spaces using special glasses, interactive representations and real-time architectural browsing in VRML environments and in all media (PCs, Tablets, smartphones), etc. The continuous evolution of the respective technology in combination with the constant updating of the subject will allow in the future the use of digital sensors which will contribute to a holistic digital management of the components and properties of an architectural space.

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Theory and Design Workshops Theory Essay and Design Exercises Final Project Portfolio	
Use of Information and Communication Technologies	Computer software Multimedia and conventional presentations via PC Video projection	
Teaching organization	Activity	Semester ECTS
	Lectures	20
	Theory Essay	20
	Design Workshop and Excersices	30
	Main Design Project	20
	Research and Analysis of Bibliography	10
	Total	100
Student assessment	Written examination Multimedia Architectural project development	

5. Recommended/ Bibliography

- Virtual tour software manuals
- VRML visualization software manuals
- 360 photos panoramas software manuals
- 360 videos software manuals
- 3D stereoscopic images software manuals
- Cadoz, C., (1997), Virtual Reality. Travlos Publications, ISBN: 9789607122810, France, translated into Greek, Athens 1997
- Graham, I., (2004), Artificial Intelligence, Savvalas Publications, ISBN: 9789604232338, England, translated into Greek, Athens 2004
- Kappos, I., (2017), Work with Autocad 2017. Key Number Publications, ISBN 978-960-461-730-2, Athens 2017
- Omura .G., Benton B., (2016), Mastering AutoCAD 2017 and AutoCAD LT 2017, John Wiley & Sons Inc Publications, ISBN 9781119240051, USA 2016
- Autodesk inc, (2017), AUTODESK 3DS MAX. Papasotiriou Publications. ISBN 960-718-265-0, USA, translated

into Greek, Athens 2017

- NIKITA M., (2011), 3DS MAX 2012 Photorealism quickly and simply. Key Number Publications, ISBN 978-960-461-450- 9, Athens 2011
- MacFarland, J., Simon, G., (2006), 3ds MAX 8 Image Guide. Giourdas Publications, ISBN 960512508-0, England, translated into Greek, Athens 2006
- Matossian, M., (2005), Introduction to STO 3DS MAX 6 for windows. Key Number Publications, ISBN 960-209-826-0, USA translated into Greek 2005
- Kappos, I., (2006), PHOTORALISM AND MOVEMENT WITH AUTOCAD. Key Number Publications, ISBN 960-209-959-3, Athens 2006
- Omura .G., Benton B., (2016), Mastering AutoCAD 2017 and AutoCAD LT 2017. John Wiley & Sons Inc Publications, ISBN 9781119240051, USA 2016
- Tal D., (2013), Rendering in SketchUp. Publisher: John Wiley and Sons Ltd, ISBN 9780470642191, USA 2013
- Cline L., (2014), SketchUp for Interior Design. John Wiley & Sons Inc Publications, ISBN 9781118627693, USA 2014
- Schreyer A., (2016), Architectural Design with SketchUp. John Wiley & Sons Inc Publications, ISBN 9781118978818, USA 2016
- Brightman M., (2013), The SketchUp Workflow for Architecture. John Wiley & Sons Inc Publications, ISBN 9781118290149, USA 2013
- Chopra A., (2014), Sketchup 2014 For Dummies. John Wiley & Sons Inc Publications, ISBN 9781118822661, USA 2014

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA714**	SEMESTER	**7**
SUBJECT TITLE		**Light and Space II**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory Elective	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea714/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course is organized around the interrelation between theory and design application. In the theoretical part, a series of lectures is given by the tutors and guest lecturers, of the course using visual material, where the presented topics are analyzed and discussed with the active participation of the students. In addition, students prepare theoretical and presentations of individual work through written essays (lighting precedence) and lighting appraisals.
Students prepare design (workshop) lighting exercises and then a complete two lighting design architectural study [projects], individually (residential spaces, retail and exhibition lighting). These are discussed analyzed and reviewed weekly while communicated by students through drawing presentations of their work in class periodically. (Interim reviews – Final Pin Up) Finally they present all prepared work as a form of Pin Up Presentation and portfolio of Work final hand in.
Upon successful completion of the course the students will:

- have knowledge of the fundamentals of light physics and the synthetic principles and possibilities in space.
- have the ability to perceive, analyze, understand and render the elements of light and space (geometric, symbolic, functional, structural, etc.) and the user - human relationship with it.
- understand the creativity in the use of light as a design tool the lighting design process and how to develop it.
- have the ability to express and communicate his lighting ideas, verbally and visually [sketches, models, drawings]
- have the ability to develop and support his theoretical and lighting design approaches to design via photometry software analysis and scientific reports (Dialux evo)
- be able to describe the concepts of color, the role of light sources in the creation of color, the classifications of colors, and how they may be mixed.
- understand ancient and modern shadows, describe the applications of shadows in architecture, and the arts, and develop the relationship between perspective and shadow projection.
- have participated in research discussions regarding light and space (mediums, substances, surfaces, visual order, events and information, perceptions of light in religion, philosophy, and the arts.). buildings, Control Systems and design considerations.

b. Skills

- Research, analysis and synthesis of data and information, using the necessary technologies
- Decision making
- Autonomous work

3. Subject Context

Understanding the importance of the lighting of spaces, the combination of natural and artificial lighting in the aesthetic

perception, as well as the synthesis of the interiors. Analysis of the basic characteristics of natural shaping architecture and the interior of buildings. Practice in the design of Natural and interior lighting. Practice in the design of artificial indoor and outdoor lighting. Compilation and presentation of a complete photometry study of interior architecture in a human centric approach. Familiarity with the visual system, physiology and the mechanisms of visual perception, study of color in its physical, psychophysical and colorimetric dimensions, perceptions of light and shadow over time and introduction in architectural lighting design principles and practice. In addition, students will be using the tools of photometry to approach fundamental considerations in human centric lighting design, exploring lighting solutions that consider lighting quality with reference to human vision and performance on visual tasks, while simultaneously incorporating new insights about the non visual effects of light.

<table>
<tr><th colspan="3">4. Teaching and learning methods – Evaluation and assessment</th></tr>
<tr><td>- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2">Public presentations in Class and in Public and Visiting Lecturers, of the theoretical work, the laboratory exercises and the development phases of the project (project), with a critical attitude of the public (fellow students / teachers) in the classroom, possibility of improvements.</td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2">Learning process support through the electronic platform e-class (information and teaching materials, hyperlinks, academic libraries, etc.)</td></tr>
<tr><td rowspan="5">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>10</td></tr>
<tr><td>Theory Essay</td><td>10</td></tr>
<tr><td>Design Workshop and Excersices
Main Design Project</td><td>40</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>15</td></tr>
<tr><td>Total</td><td>75</td></tr>
<tr><td>Student assessment</td><td colspan="2">Theoretical Work.
Evaluation criterias:
• Completeness
• Critical Thinking
• Scientific writing

Design Workshop and Excersises
Evaluation criteria:
• Experimentation
• Creativity and originality
• Personal expression and correctness of the illustration
• Quality and completeness of the design
• Presentation
• Consistency in the implementation of the schedule

Design Project
Evaluation criteria:
• Application of the methodology
• Depth of research and utilization of its data
• Experimentation
• Creativity and originality</td></tr>
</table>

	• Personal expression and correctness of the illustration • Quality and completeness of the design • Presentation • Consistency in the implementation of the timetable and schedule.

5. Recommended/ Bibliography

- Pritchard D. C., Lighting, Addison 1999
- D. Loe & Peter Tregenza, The Design of Lighting
- Peter Tregenza & Michael Wilson, Daylighting, Architecture and Lighting Design, Routledge, New York, 2011.
- Lighting Interior & Exterior, Elsevier – Architectural Press, Oxford 2004
- Bell J., Burt W., Designing Building for Daylighting, CIBSE, Watford 1995
- Phillips D., Daylighting: Natural Light in Architecture, Elsevier 2004
- Elizabeth Wilhide, Lighting: creative planning for successful lighting solutions, London Ryland Peters & Small, 1998
- Fuller Moore, Concepts and practice of architectural daylighting, Van Nostrand Reinhold, New York 1990
- Gary R. Steffy, Architectural lighting design, New York
- Rudolf Arnheim, Art and Visual Perception, A Psychology of the Creative Eye, University California Press, Berkeley, 1974
- Jun'ichiro Tanizaki In Praise of Shadows, An essay on Aesthetics, Vintage, 2001

Websites and links

- www.pldplus.com - Professional Lighting Design Magazine
- https://www.arc-magazine.com/
- www.mondoarc.com - Mondo Arc
- http://www.lightingacademy.org - Lighting Academy.
- www.iald.org – International Association of Lighting Designers
- www.ies.org/lighting - Illuminating Engineering Society of North America, http://
- https://smlightarchitecture.com/
- www.dpalighting.com
- https://womeninlighting.com/
- https://www.lightingdesigninternational.com/
- https://www.lighting.co.jp/

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA715**	SEMESTER	**7**
SUBJECT TITLE		**3D design - Reproduction with Rapid Prototyping Methods**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	3	3	
TYPE OF SUBJECT		Compulsory Elective	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea715/	

2. Aims and Objectives – Methods – Skills
a. Learning Outcomes
Practicing the study of form rendering problems in utilitarian and decorative application using modern digital design tools. Manufacturing procedures. Study technical specifications and certification of industrial products.
b. Skills
• Student assessment • Understanding of construction technique • Understand the concept of assembling an object • Application of knowledge in practice

3. Subject Context
3D illustration of objects and interiors. Ways of electronic design approach, with reference to the various design and imaging programs. Functions of design programs, deepening-specialization in how to handle "design tools".

4. Teaching and learning methods – Evaluation and assessment		
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face	
Use of Information and Communication Technologies	Digital tools in industrial design applications	
Teaching organization	Activity	Semester ECTS
	Lectures	10
	Theory Essay	
	Design Workshop and Exercises	40

	Main Design Project	25
	Research and Analysis of Bibliography	
	Total	75
Student assessment	Exercises in industrial design Project	

5. Recommended/ Bibliography

- Κουζέλης Α., Στοιχεία Βιομηχανικού Σχεδιασμού και Μορφοδοσίας Προϊόντων Χρήσης, Αθήνα 2008
- Thackara J., Design after Modernism, 1992
- Pile J., Dictionary of 20th Century Design, 1990
- Pile J., Design, Purpose and Meaning, 1979
- Η μορφή του σχεδιασμένου αντικειμένου, ΠαρSCνίδης Γιώργος,Χαραλαμπίδου - Διβάνη Σόνια
- Σχεδιασμός των αντικειμένων της καθηSCρινότητας, DONALD A. NORMAN

15.8 8th Semester Courses

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA801**	SEMESTER	**8**
SUBJECT TITLE		**Final Thesis**	
TEACHING CONTENT	Hours per Week	ECTS	
		16	
TYPE OF SUBJECT		Compulsory	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea801/	

2. Aims and Objectives – Methods – Skills
a. Learning Outcomes
It is the most important research and at the same time synthetic work. The final thesis is the most important element of each student in his individual portfolio together with his degree.
b. Skills
Upon the completion of the final Thesis, the students will have: • developed their personal creativity • acquired the ability to evaluate research results and their composition • the opportunity to develop and publicly support their design choices in their studies • acquired critical thinking and speech • cultivated the spirit of cooperatio

3. Subject Context
The Thesis is the final integrated synthetic subject of studies in interior architecture and has a research character. Its subject falls within the cognitive objects of the Department of Interior Architecture. The Thesis is prepared individually or by a group of two students on a specialized topic under the guidance of a member of the teaching staff of the Department. The Thesis takes place after the completion of most of the courses of the Department, and not earlier than the 8th semester of studies and has a duration of six months. Depending on the subject and the conditions of the elaboration, the dissertation can be extended for one semester. The Thesis are presented orally and publicly during the examination periods of each academic year and are graded by a committee composed of faculty members of the Department. The Thesis is the intellectual property of the Foundation. Its subject cannot be included in programs and requirements of institutions or in participation in architectural competitions.

4. Teaching and learning methods – Evaluation and assessment	
- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up	

- Portfolio Hand In		
Use of Information and Communication Technologies		
Teaching organization	Activity	Semester ECTS
	Theory Essay Design Workshop and Excersices Main Design Project Research and Analysis of Bibliography	400
	Total	400
Student assessment	The Thesis are presented orally and publicly during the examination periods of each academic year and are graded by a committee composed of faculty members of the Department.	

5. Recommended/ Bibliography

1. General Information				
SCHOOL		School of Design Sciences		
DEPARTMENT		Interior Architecture		
STUDY LEVEL		Undergraduate		
CODE OF SUBJECT	**EA802**	SEMESTER		**8**
SUBJECT TITLE		**History of Art and Architecture II**		
TEACHING CONTENT		Hours per Week		ECTS
Lectures, Essays, Design Workshops, Design Project – Portfolio of work.		2 4		8
TYPE OF SUBJECT		Compulsory		
PREREQUIRED COURSES		NO		
TEACHING AND EXAMS LANGUAGE		GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES		
Course website (URL)		https://ia.ihu.gr/ea802/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The aim of the course is to acquire knowledge and skills so that students can systematically approach and solve methodical and creative synthetic problems of any field related to modern architectural heritage.

Through the dialectical relationship between theory and application, the following objectives are pursued:

- Familiarization of students with the systematic approach of architectural interior design related to modern architectural heritage.
- The reflection and development of a critical attitude, in matters of interpretation and choices.
- The ability to evaluate research results and their composition, by creating new hybrid experimental prototypes.
- The development of critical thinking and creative perception

  The development of personal creativity and originality.
- Familiarity with the use of expressive means (tools) for the representation and description of space, at each stage of the synthetic process
- The cultivation of active participation and teamwork.

  The cultivation of the possibility of public presentation and support of their studies.
- The knowledge and application of safety rules and regulations concerning the autonomous, equal and safe access and movement of all users in public places

b. Skills

The course is organized in two axes, theory and application. These axes work in unison, with the theory evolving gradually and supporting the implementation part throughout the course. The theory includes lectures by the course instructors as well as visiting teachers. The theoretical background is supported in parallel with educational visits to selected sites. The applied part of the course includes laboratory work. Students undertake to study a topic related to the subject of the course.

Upon successful completion of the course students will be:

- able to study, methodically, synthetically and creatively, places related to dwelling and culture belonging to the Greek Modern architectural heritage
- aware of issues of protection and promotion cultural heritage, with the aim of upgrading the environment and improving the quality of life
- able to know and apply the safety rules and regulations concerning the autonomous, equal and safe access and movement of all users in public places
- able to follow an analytical and synthetic process with the support of the formation of their ideas (concept)

The students will also have:

- developed their personal creativity

- acquired the ability to evaluate research results and their composition
- the opportunity to develop and publicly support their design choices in their studies
- acquired critical thinking and speech
- cultivated the spirit of cooperation

3. Subject Context

The content of the specific synthetic course of the 8th semester focuses on the creative design of interiors related to Greek Modern architectural heritage.
The course is organized in two axes, theory and axes work in unison, with the theory evolving gradually and supporting the implementation part throughout the course. Through the Theory and Design section, students experiment and create new places of dwelling.
The theory includes lectures with the following topics as Greek Modern Architects, Architectural Heritage, Industrial Heritage, Reuse of Industrial Premises
The theoretical part is completed with the elaboration by the students of individual work on a topic related to the subject and is publicly supported on a scheduled date. The applied / laboratory part includes a study (project) that concerns the intervention and the overall synthetic configuration of a space in a specific building shell.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In	Face to face	
Use of Information and Communication Technologies	Learning process support through the electronic platform e-learning (information and teaching materials, hyperlinks, academic libraries, etc.)	
Teaching organization	Activity	Semester ECTS
	Lectures	40
	Theory Essay	30
	Design Workshop and Excersices Main Design Project	100
	Research and Analysis of Bibliography	30
	Total	200
Student assessment	Theory Essay Main Design Project	

5. Recommended/ Bibliography

- Rapoport, A., Φιλιππίδης, Δ., (2010), Ανώνυμη Αρχιτεκτονική και Πολιτιστικοί Παράγοντες, Αθήνα, Εκδ. Μέλισσα
- Γεωργιάδου, Ζ, (2017), Δομικά και διακοσμητικά Υλικά, Αθήνα: Εκδόσεις ΝηSCρτής
- Ζήβας Δ, (1997), Τα μνηSCία και η πόλη, Αθήνα, εκδόσεις Libro
- Καρδαμίτση-Αδάμη Μ, (2006), ΈρνστΤσίλλερ, 1837-1923, Αθήνα, Εκδ. Μέλισσα
- Κονταράτος Σ., (1986), Αρχιτεκτονική και παράδοση: Ιδεολογίες, πρακτικές και προβλήματα στη χρήση του αρχιτεκτονικού παρελθόντος, Αθήνα, Καστανιώτης
- Λάβας, Γ, (2010), Ζητήματα Πολιτιστικής Διαχείρισης, Αθήνα, Εκδ. Μέλισσα
- Μιχελή Λ., (1994), Η Αθήνα των Ανωνύμων, Αθήνα, Γαλάτεια
- Μπίρης Κ.,(1996), Αι Αθήναι Από τον 19ον εις τον 20ον αιώνα, Αθήνα, εκδόσεις Μέλισσα

- Μπίρης Μ, Καρδαμίτση Αδάμη Μ.,(2001), Νεοκλασική Αρχιτεκτονική στην Ελλάδα, Αθήνα, εκδόσεις Μέλισσα
- Μπίρης, Μ, (2003), Αθηναϊκή Αρχιτεκτονική, Αθήνα, Εκδ. Μέλισσα
- Παπαϊωάννου Κ., (2003), Το Ελληνικό Παραδοσιακό Σπίτι, Αθήνα, Εκδόσεις ΕΜΠ
- Φιλιππίδης Δ,(1984), Νεοελληνική Αρχιτεκτονική, Αθήνα, εκδόσεις Μέλισσα
- Φιλιππίδης Δ, (1998), Διακοσμητικές Τέχνες, Αθήνα, εκδόσεις Μέλισσα
- Φιλιππίδης Δ, (2005), Αρχιτεκτονικές SCταμορφώσεις I & II (2 τόμοι), Αθήνα, Εκδ. Μέλισσα
- Συλλογικό, (1984), Ελληνική Παραδοσιακή Αρχιτεκτονική, Τόμος I,II, III,IV, V,VI, VII, VIII. Αθήνα, Εκδ. Μέλισσα
- Πρακτικά Διεθνούς Συμποσίου, Η Προστασία του Παρελθόντος, Μέλισσα, Αθήνα 2006
- Πρακτικά Συμποσίου, Μοντέρνο-SCταμοντέρνο, Σμίλη, Αθήνα 1988

1. General Information			
SCHOOL		School of Design Sciences	
DEPARTMENT		Interior Architecture	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	**EA803**	SEMESTER	**8**
SUBJECT TITLE		**Spatial Narratives**	
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	1 2	3	
TYPE OF SUBJECT		Compulsory Elective	
PREREQUIRED COURSES		NO	
TEACHING AND EXAMS LANGUAGE		GREEK	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		YES	
Course website (URL)		https://ia.ihu.gr/ea803/	

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

This unit aims at deepening the analytic architectural methodology through selected scientific texts and concepts (from related disciplines and scientific fields) for the interdisciplinary approach to architecture and spatial experimentations. Students become familiar with the search for targeted bibliography, as well as critical thinking. The goal is the deep understanding of synthetic process and the ability to produce meaning through design, in order to serve complex contemporary programs.

The course is expected to contribute to:

- training students in an interdisciplinary approach to architectural design
- explaining the ability of spatial meaning production through scientific loans
- explaining architecture as an encounter between space (architectural design) and time (narrative)
- encouraging critical approach to design and refresh representational tools

Through the participation in the course, the students will:

- better handle conceptual thinking and verbal expressions
- understand the design process through means of meaning production
- develop critical thinking regarding architectural design as means of spatial investigation, within interrelations between form and meaning, and space as living terrain
- practice architectural design by research (interior/exterior space and object) to familiarise with complex research processes.

b. Skills

- Searching, re-searching and analyzing information
- Constructing scientific arguments and preliminary research proposals
- Critical thinking
- Individual and group work
- Working within interdisciplinary context

3. Subject Context

The course examines relationships between space, form, vocabularies and representations in architectural design and related fields. It also encourages varieties of manipulations (architectural and artistic) within abstract narratives, meanings and interpretations.

It is organized in two axes, (i) theoretical/conceptual and (ii) applied/design. The two parts are interconnected and both aim to the completion of synthetic/design proposal/project.

4. Teaching and learning methods – Evaluation and assessment

<table>
<tr><td>- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis
- Theory Essay and Design Exercises
- Interim Reviews
- Project Final Pin Up
- Portfolio Hand In</td><td colspan="2"></td></tr>
<tr><td>Use of Information and Communication Technologies</td><td colspan="2"></td></tr>
<tr><td rowspan="7">Teaching organization</td><td>Activity</td><td>Semester ECTS</td></tr>
<tr><td>Lectures</td><td>20</td></tr>
<tr><td>Theory Essay</td><td>40</td></tr>
<tr><td>Design Workshop and Excersices</td><td>-</td></tr>
<tr><td>Main Design Project</td><td>-</td></tr>
<tr><td>Research and Analysis of Bibliography</td><td>15</td></tr>
<tr><td>Total</td><td>75</td></tr>
<tr><td>Student assessment</td><td colspan="2">Presentation of theoretical essay
Bibliographical research</td></tr>
</table>

5. Recommended/ Bibliography

- Αρέντ, Χ., Η ανθρώπινη κατάσταση, εκδ. Γνώση, Αθήνα, 1986
- G. Bachelard, Η Ποιητική του Χώρου, εκδ. Χατζηνικολή, Αθήνα, 1982
- Berleant, Η Αισθητική του Περιβάλλοντος, εκδ. Ίδρυμα Π. & Ε. Μιχελή, Αθήνα, 2004
- Ν. Γκούντμαν, Οι γλώσσες της τέχνης, εκδ. Εκκρεμές, Αθήνα, 1968
- Β. Γουλφ, Ένα δικό σου δωμάτιο, εκδ. Οδυσσέας, Αθήνα, 1980
- Ο. Έκο, Έξη περιπλανήσεις στο δάσος της αφήγησης, εκδ. Ελληνικά γράμματα, Αθήνα, 1994
- Ζ. Κοτιώνης, 44 Ιστορίες της αρχιτεκτονικής, εκδ. Εκκρεμές, Αθήνα, 2001
- Μ. Φουκώ, Οι λέξεις και τα πράγματα, εκδ. Γνώση, Αθήνα, 1966

1. General Information			
SCHOOL	School of Design Sciences		
DEPARTMENT	Interior Architecture		
STUDY LEVEL	Undergraduate		
CODE OF SUBJECT **EA804**	SEMESTER	**8**	
SUBJECT TITLE	**Philosophy – Aesthetics - Psychology**		
TEACHING CONTENT	Hours per Week	ECTS	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.	2	3	
TYPE OF SUBJECT	Compulsory		
PREREQUIRED COURSES	NO		
TEACHING AND EXAMS LANGUAGE	GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES		
Course website (URL)	https://ia.ihu.gr/ea804/		

2. Aims and Objectives – Methods – Skills

a. Learning Outcomes

The course aims at introducing students to concepts of Philosophy and Aesthetics. The main aim is to explore the correlations between Philosophy, Science, Aesthetic theories and the Arts. The course also aims at correlations of basic Psychological and psychoanalytical theoretical concepts, through which complex meanings of space will emerge.
The course is expected to contribute to:

- The understanding of interdisciplinary aspects of architecture
- The critical understanding of architectural trends, in relation to cultural trends and scientific or artistic concepts
- Familiarize with related fields and disciplines that have profound influence on architecture (philosophy, aesthetics, psychology, psychoanalysis, etc)
- Notional and synthetic enrichment of contemporary architectural space

Through the participation in the course, the students will:

- be able to understand the relationships between their own field of knowledge, architecture, and other fields, such as philosophy and psychology, and the ways in which they influence each other
- be able to understand the concept of interdisciplinarity and its importance in architecture and spatial issues
- have developed a critical ability when approaching issues of architectural space
- be able to handle concepts from other fields of knowledge in order to interpret architecture
- have become familiar with research processes and bibliography management

b. Skills

- Production of new research ideas
- Promoting free, creative and inductive thinking

3. Subject Context

Introduction to Philosophy and Aesthetics. Exploration of the relationships between Philosophy, Science, Aesthetic Theories and Arts. Exploring forms as a source of existential meanings, as well as creating forms as a consequence of the philosophical foundation of societies. Introduction to Psychological and psychoanalytic theoretical concepts through which students will understand the experience of space in relation to the human presence in the world.

4. Teaching and learning methods – Evaluation and assessment

- Theory and Design Workshops – Main Project Brief/ Site visits
- Group Appraisal /Site Analysis

- Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In		
Use of Information and Communication Technologies	Lectures with video projection	
Teaching organization	Activity	Semester ECTS
	Lectures	30
	Theory Essay	30
	Design Workshop and Excersices	
	Main Design Project	
	Research and Analysis of Bibliography	15
	Total	75
Student assessment	Written examination Essay	

5. Recommended/ Bibliography

- BAYER RAYMOND., Histoire de l'esthetique, ed. Armand Colin, Paris 1961
- BEARDSLEY MON., Ιστορία αισθητικών θεωριών, εκδ. Νεφέλη 1989
- FISCHER ERNST, Η αναγκαιότητα της Τέχνης, εκδ. Θεμέλιο, Αθήναι 1976
- FOCILLON HENRI, Η ζωή των μορφών, εκδ. Νεφέλη 1982
- HEGEL, Αισθητική - επιλογή κειμένων, εκδ. Αναγνωστίδη, Αισθητική της παραδοσιακής ζωγραφικής, εκδ. Αναγνωστίδη
- HEIDEGGER MAR., Essais et conferences, ed. Gallimard, Paris 1958, Τί είναι φιλοσοφία, εκδ. Αναγνωστίδη, Η προέλευση του έργου Τέχνης, εκδ. Δωδώνη, Αθήνα 1986
- HEINSERBERG W., Φυσική και Φιλοσοφία, εκδ. Διογένης 1971
- MERLEAU - PONTY MAUR., Phenomenologie de la perception, Gallimard 1945
- ΜΙΧΕΛΗΣ ΠΑΝΑΓ., Αισθητικά Θεωρήματα, 3 τόμοι, Αθήναι 1971, Η Αρχιτεκτονική ως Τέχνη, Αθήναι 1973, Αισθητική θεώρηση της Βυζαντινής Τέχνης, Αθήναι 1972
- ΜΟΥΡΕΛΟΣ ΓΕΩΡΓ., Θέματα αισθητικής και φιλοσοφίας της Τέχνης, εκδ. Νεφέλη 1985
- ΠΑΠΑΝΟΥΤΣΟΣ ΕΥΑΓ., Αισθητική, ιδίου, 1969
- BACHELARD G., Η ποιητική του χώρου, Χατζηνικολή, Αθήνα 2014
- HEIDEGGER M., Κτίζειν, κατοικείν, σκέπτεσθαι, Πλέθρον, Αθήνα 2009
- ΚΑΓΓΕΛΑΡΗΣ Φ., Το πράγμα η λέξη και ο κόσμος, Αρμός, Αθήνα 2017
- ΚΟΝΤΑΡΑΤΟΣ Σ., Η εμπειρία του αρχιτεκτονημένου χώρου και το σωματικό σχήμα, Καστανιώτης, Αθήνα 1983
- LE CORBUSIER C.E.J., Για μια αρχιτεκτονική, Εκκρεμές, Αθήνα 2005
- MERLEAU-PONTY M., Η φαινοSCνολογία της αντίληψης, Νήσος, Αθήνα 2016
- NORBERG-SCHULZ C., Genius Loci, Πανεπιστημιακές Εκδόσεις Ε.Μ.Π., Αθήνα 2009
- ROSSI A., Η αρχιτεκτονική της πόλης, University Studio Press, Θεσσαλονίκη, 1996