

COURSE CATALOGUE

INTERIOR DESIGN

240 ECTS

FIRST YEAR

Hours /
Week ECTS
Credits

ANNUAL SUBJECTS

Visual Language	4	8
Creativity and project methodology	2	4
Representation systems	4	8
Vectorial representation	4	7
Digital photography and audiovisual media	3	5
Materials and Construction I: the Building	4	7
Analysis of high quality interior design projects	2	3

FIRST SEMESTER SUBJECTS

Free Hand drawing. Sketches	4	5
History of art and aesthetics	3	4

SECOND SEMESTER SUBJECTS

Expression techniques in design	4	5
History of XIX, XX, XXI century- design and up to the present	3	4

SECOND YEAR

Hours /
Week ECTS
Credits

ANNUAL SUBJECTS

3D Construction	3	5
Basic Scientific Knowledge	3	7
Technical english	2	4
Expression techniques in interior design	4	6

FIRST SEMESTER SUBJECTS

Anthropometry and ergonomics	3	4
Installations: electrotechnics and protection	6	5
History of architecture and interior design I	3	4
Spaces to be inhabited	6	6

SECOND SEMESTER SUBJECTS

Ecodesign and sustainability	3	4
Installations: Plumbing	6	5
History of architecture and interior design II	3	4
Work spaces	6	6

THIRD YEAR

Hours /
Week ECTS
Credits

ANNUAL SUBJECTS

Theory and culture of design	3	6
Design management	3	6
Optional subjects	4	8

FIRST SEMESTER SUBJECTS

Digital techniques applied to interior design	4	4
Materials and building II: interiors	4	5
Light structures	6	5
Commercial spaces	6	6

SECOND SEMESTER SUBJECTS

Measuring and Budgeting	4	4
Instalaciones III	6	5
Lighting	4	5
Pop Up Spaces and exhibitions	6	6

FOURTH YEAR

Hours /
Week ECTS
Credits

FIRST SEMESTER SUBJECTS

Insolation Systems	4	5
Pathology and Rehabilitation	6	6
Hospitality and Leisure	8	9
Interior design project management	4	4
Organizationan and legislation	4	4
Optional subjects	4	8

SECOND SEMESTER SUBJECTS

End of Degree Project	5	12
Practicum	25	12

INTERIOR DESIGN		
Course Catalogue		
FIRST YEAR		
ANNUAL SUBJECTS	HOURS/WEEK	ECTS CREDITS
Visual Language	4	8
Knowledge and understanding of language design: graphic design, shape, structure, colour, texture, light, graphic space, composition, art and design interactions. Image analysis both from the expression and the perception perspective .		
Creativity and Project Methodology	2	4
Origins of creativity, social demand for creativity. The creative process. Nature versus culture. Creative stimulation techniques. Plagiarism and coincidences. Basic principles for thinking out ideas. Project methodology according to different authors. The design process. Ideas. Team work.		
Representation Systems	4	8
Two-dimensional representation. Scales. Plane and descriptive geometry. Taking of dimensions. Symbols, rules and conventions in technical drawing. 3D representation. Axonometric perspective (isometric, cavalier and military perspectives), one point perspective drawing with vanishing point, and with two vanishing points. Vanishing sections. Initiation to layout.		
Vectorial Representation	4	7
Graphic representation and expression using digital vectorial technology: learning about tools and vectorial application programmes.		
Digital Photography and Audiovisual Media	3	5
Basic knowledge and principles of photographic cameras and digital cameras. The digital process and processing, improvement and optimisation of digital photographs. The photographic studio: artificial lighting. Genres in current photography. Audiovisual media: artistic and technical evolution of the audiovisual media. Basic audiovisual language and media technology. Digital editing. Audiovisual broadcasting according to the product, format and media.		
Materials and Construction I: the Building	7	4
Building systems and processes in construction. Vertical and horizontal resistant materials. Stairs and ramps. Roofs. Exterior enclosures, internal partitions, interior and exterior woodwork. Typologies, materials, products, building and finishings. Building materials: physical, chemical and mechanical properties. Traditional building and new technological systems. Pre fabricated systems and materials. Efficiency and sustainability. Waste disposal management. Technological building regulations.		
Analysis of interior design projects which are of a recognized quality	2	3
Knowledge, basics and interior design interpretation. Discussion sessions about projects and quality works contrasted by publications in specialised magazines and books. The present situation of interior design in Andalusia, critical analysis of projects in our local environment.		
FIRST SEMESTER SUBJECTS	HOURS/WEEK	ECTS CREDITS
Hand Drawing. Sketches	4	5
The mastering of communication using free hand drawing. Expression of ideas, shapes,		

<p>dimensions and details by using informal and instant drawing techniques. Data gathering and outlines using free hand drawing of an existing object and the annotation of its dimensions until both aspects are completely defined as regards, shape and dimension. Conveyance of an idea, design or aspect which only exists in our imagination by using a drawing.</p>		
History of Art and Aesthetics	3	5
<p>Evolution of art and aesthetics since past times. Theory of art and aesthetics. Historic avant-garde movements. Current artistic trends in a global world.</p>		
SECOND SEMESTER SUBJECTS	HOURS/WEEK	ECTS CREDITS
Expresion Techniques in Design	4	5
<p>Quick life drawings using different techniques. Manual monochrome and colour graphic and plastic expression techniques, both dry and wet. Additive and experimental techniques. Analysis of shapes, space, light and colour by using expression techniques.</p>		
History of XIX, XX and XXI century- design and up to the present.	3	5
<p>History of XIX, XX and XXI century- design and up to the present. Theory and history of design in artistic and architectural contexts. Knowledge, analysis and historic significance of design. Origin of the design concept Royal factories, Industrial Revolution, Arts and Crafts and Modernism. The Bauhaus and other design European schools. Design consolidation. Democracy of design as from the Second World War. Trends, designers and emblematic contemporary design companies. Global concept of design: think global and act local</p>		
SECOND YEAR		
ANNUAL SUBJECTS	HOURS/WEEK	ECTS CREDITS
3D Construction	3	5
<p>Analysis of the 3D shape: 3D analysis of pieces of work and objects. The process of artistic abstraction: synthesis, geometrization and stylization as a solution to plastic proposals. Construction and valuation of the volumetric shape: the design process and the creation of 3D shapes. From the outline to the definitive piece of work. Techniques and materials for 3D construction: flexible, rigid, laminate, malleable. Surface material characteristics. The production and use of textures. Simple moulds and casts. Miniature models</p>		
Basic Scientific Knowledge	3	7
<p>Mathematics: arithmetic, algebra, trigonometry and statistics. Physics: physical magnitudes, Static and Dynamic, Vectors. Physical properties of materials. Chemistry: magnitudes; structure and chemical properties of substances</p>		
Technical English	2	4
<p>English terminology in the sphere of design. Use of English in professional and scientific environments. English grammar revision in context. Oral comprehension and conversation.</p>		
Expresion Techniques in Interior Design	4	6
<p>Manual representation techniques in interior design: analysis, assessment and representation of shape and space. Analysis, assessment and representation of light and colour in interior design. Graphic image role applied to interior design. Development and experimentation of graphic techniques as an expression device in interior design.</p>		
FIRST SEMESTER SUBJECTS	HOURS/WEEK	ECTS CREDITS
Anthropometry and Ergonomics	3	4
<p>Concepts of anthropometry, ergonomics and bionics. Human dimensions and the golden ration: data, data typology and percentiles. The application of tables and anthropometric data.</p>		

Standardisation. Psychosocial aspects in ergonomic design: functionality, comfort and pleasure. Usability and accessibility.		
Installations : Electro-Technics and Protection	6	5
Electrical installation and special installations in a building: audiovisual devices, surveillance and anti- theft devices, domotic systems, transport etc. Technical, formal and functional characteristics. Physical basis. Legislation and applied technical regulations . Safety installations and evacuation systems in a building: anti fire devices. Materials and their behaviour to fire. Legislation and applied technical regulations . Environmental criteria, both from the durability and maintenance points of view. Digital technological applied to design, execution installation control.		
History of Architecture and Interior Design I	3	4
Knowledge, analysis and historic significance of architecture and interior design and decorative arts up to the Renaissance period. Classic ancient times, the Byzantine world; the beginning and end of the Middle Ages; the Renaissance period in Europe, Islam in the Middle and Far East.		
Spaces to be inhabited	6	6
Knowledge, basics and interior design interpretation. Basic projects related to dwellings and residential spaces. Project resolution methodology, assessment and verification; project proposal and theoretical practical study. Functionalities and formal elements related to residential spaces and experimenting with them. Ergonomic principles related to the dwelling. Equipment, coverings and furniture, light, colour and sensorial perception in the residential areas. Present day trends in the residential environment, both globally and in Andalusia. Representation and design communication techniques.		
SECOND SEMESTER SUBJECTS	HOURS/WEEK	ECTS CREDITS
Ecodesign and Sustainability	3	4
Definition of eco design and sustainable development . Design for recycling and reusing. Good practices for sustainable design. Analysis of the cycle of life. Environmental footprints (ecological, carbon, hydrological). Institutional, civic and industrial responsibility. Process and strategy for Eco design. Project and evaluation. European ecological packaging system. Rules and types. Sustainable materials. Legal framework.		
Installations: Plumbing	6	5
Water related installation in a building: plumbing, sanitation and protection. Technical, formal and functional characteristics. Physical basis. Environmental criteria, both from the durability and maintenance points of view. Digital technology applied to water related facilities design, execution and control. Technical application regulation regarding water related facilities in a building.		
History of Architecture and Interior Design II	3	4
Knowledge, analysis and historic significance of architecture and interior design and decorative arts up to the Baroque period. Mannerism and Baroque; Neoclassicism, movements and styles in the XIX century, Middle East, movements and trends in architecture and interior design at present.		
Work Spaces	6	6
Basic projects for offices and other work areas. Project resolution methodology, assessment and verification, project proposal and theoretical practical study. Functionalities and formal elements		

related to work spaces and experimenting with them. Ergonomic principles in the work space. Equipment, coverings and furniture; light, colour and sensorial perception in the work place. Health and hygiene legislation in the work place which can be applied to interior design. Application of legislation. Present day trends in the office environment. Representation and communication design techniques.

THIRD YEAR

ANNUAL SUBJECTS	HOURS/WEEK	ECTS CREDITS
Theory and Culture of Design	3	6
Design in contemporary society and culture. Information and communication concepts within the global sphere of design. Theory of shape and aesthetics. Practical purpose and aesthetic purpose. Symbiosis and cross sectional relationship between Art- Design- Crafts. Basic anthropological principles and those of non material heritage applied to the manifestations and competences of current design. Design theory and critique. Basic principles of sociology and consumer culture. Multiculturalism and design contexts: global- local interactions. The designer's ethics and social responsibility.		
Design Management	3	6
Legislation and intellectual and industrial properties, patents and brands management. Management and promotion of the design's cultural ,social and personal values in relation to identity making, sponsorship and patronage activities. Management and follow up of brands and corporate identity. Basic principles of economics and production organization.		
Optional Subjects	4	8
FIRST SEMESTER SUBJECTS	HOURS/WEEK	ECTS CREDITS
Digital Techniques Applied to Interior Design	4	3
Digital representation techniques in interior design. Virtual simulation and model making. Making and editing of materials and textures. Study and editing of light effects. Rendering. Archive edition. Development and experimentation of graphic techniques as an expression device in interior design. Specific software for the subject.		
Materials and Building II: Interiors	4	5
Interior partitions, interior horizontal parameters , technical floors and ceilings, joinery. Materials, products, techniques, systems, building processes and finishings in interior design. Physical, chemical and mechanical properties. Quality control. Efficiency and sustainability. Waste disposal management. Test types. Materials, products and traditional finishings in our environment. Assessment tools and the projecting of technical design aspects. Digital techniques used in the production of materials and its application in interior design. Technological building regulations.		
Light Structures	6	5
Basic structural calculation. Forces and deformations. Mechanical properties of materials. Design using light and structural elements which can be taken apart. Structures and systems. Beams and linear elements; surface elements; light roof structures. Special meshes; bar systems; sling and cable systems; textile structures. Digital technology applied to design. Environmental criteria, both from the durability and maintenance points of view.		
Commercial Spaces	6	7
Basic projects for commercial spaces. Functionalities and formal elements related to commercial spaces and experimenting with them. Sales and interior design techniques. Brand and franchise image. Equipment, coverings, and furniture, light, colour and sensorial perception in commercial spaces. Present day trends in the commercial environment. Application of legislation in the		

commercial environment and directives concerning the elimination of barriers. Representation and design communication techniques, both for understanding and broadcasting purposes.		
SECOND SEMESTER SUBJECTS	HOURS/WEEK	ECTS CREDITS
Measuring and Budgeting	4	3
The measuring and valuing of the project context. Cost types. Unit prices, auxiliary prices and itemized prices. General costs, industrial profit and VAT. Description of the work unit. Measuring criteria. Graphic information of the project for measuring purposes. Spread sheets and computer budget programmes. Research and experimentation methods akin to the materials.		
Installations III	6	5
Air- conditioning and ventilation installations. Fuel types: supply and storage. Technical, formal and functional solutions. Alternative energy systems: solar energy, PV systems. Environmental criteria, both from the durability and maintenance points of view. Legislation and applied technical regulations referring to air -conditioning and ventilation systems in a building.		
Lighting	4	5
Physical basics. Lighting parameters. Natural lighting and artificial lighting systems. Lamp types and lighting systems. Design and calculation of installations. Environmental criteria, both from the durability and maintenance points of view.		
Pop Up Spaces and Exhibitions	6	7
Basic projects for pop up spaces, stands and exhibitions. Project proposal and theoretical practical study. Functionalities and formal elements related to staging and exhibition spaces and experimenting with them. Materials, equipment, coverings and ornamentation; light, colour and sensorial perception in staging spaces and museums. Current design trends in the area of exhibits and exhibitions. Application of legislation and directives regarding the elimination of barriers. Representation techniques and design communication, both from a comprehension and a broadcasting point of view.		
FOURTH YEAR		
FIRST SEMESTER SUBJECTS	HOURS/WEEK	ECTS CREDITS
Isolation Systems	4	5
Physical basics related to acoustics. Sound transmission processes. Sensorial perception of sound. Materials and their behaviour to noise. Acoustic conditioning and isolation of spaces. Acoustic comfort parameters. Legislation and applied technical regulations.		
Pathology and Rehabilitation	6	6
Building typologies: common pathologies. Pathologies common to interior design. Analysis of the life cycle of materials, products and processes, and their relationship with pathologies. Conservation and maintenance. Destructive or non destructive research systems. Analysis, diagnosis and treatment. Applied digital technology.		
Hospitality and Leisure	8	9
Basic hospitality and leisure projects. Functionalities and formal elements related to hospitality and leisure spaces. The drawing up of integrated interdisciplinary projects. Materials, coverings and ornamentation; equipment and furniture; light, colour and sensorial perception in spaces related to hospitality and leisure. Current trends in design. Directives and legislation applicable in the hospitality sector. Directives regarding the elimination of barriers. Representation and presentation design techniques both from a comprehension and a broadcasting point of view.		

Basic hospitality and leisure projects. Functionalities and formal elements related to hospitality and leisure spaces. The drawing up of integrated interdisciplinary projects. Materials, coverings and ornamentation; equipment and furniture; light, colour and sensorial perception in spaces related to hospitality and leisure. Current trends in design. Directives and legislation applicable in the hospitality sector. Directives regarding the elimination of barriers. Representation and presentation design techniques both from a comprehension and a broadcasting point of view.		
Interior Design Project Management	4	4
Feasibility analysis and budget studies. Managing and executing of interior design projects: planning and control. Health and safety. Financial control of the work. Obtaining certifications.		
Organization and Legislation	4	4
Directives and specific legislation related to the professional activity. Professional practice whether it be self employed or an employee. Contract and service types. Creating and developing of a company. Quality management. Resources and costs related to the professional activity. Interior design value. Marketing applied to interior design. Intellectual and industrial property applied to interior design.		
Optional Subjects	4	8
SECOND SEMESTER SUBJECTS		
End of Degree Project	5	12