

SCHOOL OF INTERIOR DESIGN, ENVIRONMENTAL, ARCHITECTURE AND SUSTAINABILITY (ID)

The School of Interior Design, Environmental Architecture and Sustainability hosts five departments offering courses at beginning, intermediate and advanced levels and covering a wide range of topics in the specific fields to which this institution is dedicated:

- ARCHITECTURAL STUDIES (DA)**
- SUSTAINABLE ARCHITECTURE AND DESIGN (SA)**
- INTERIOR AND VISUAL DESIGN (ID)**
- PRODUCT DESIGN (PD)**
- ARCHITECTURAL RESTORATION AND HISTORY OF ARCHITECTURE (RH)**

The School of Interior Design, Environmental Architecture and Sustainability positions itself in Florence as a new piazza, an open area where the dialogue on buildings, spaces, design, and landscapes opens up new horizons in the city. **IDEAS** rethinks the concepts of choice from a cultural and community point of view using the basis of architectural and design studies in order understand how human values are achieved in physical spaces.

The School interprets the Renaissance as it should be discussed in Florence: not as a relic of the past but as a contemporary term for today and tomorrow. It also respects the longstanding tradition of Italian structural esthetics and functionality, while asking to generate innovative interpretations of architecture and design.

IDEAS's philosophy is to enhance and sustain the quality of the human environment through the study of architecture on different scales, from design to multifunctional buildings. In this setting students, with their international backgrounds, can have a dynamic impact on their surrounding landscape. The environment of Florence with its bustling life, tourism, culture, and arts will open up students to life-changing perspectives and the School's vision seeks to create a space in which students and the city can freely exchange and, ultimately, change.

The School Mission is:

To provide an educational environment that sustains the practices of design, planning and management applied to the fields of architecture, sustainability and historical preservation. The goal is to redefine and challenge the historical concept of the Renaissance through contemporary practices of design, architecture and sustainability in a city where the past is in everyday reality. This purpose can be obtained through the building of an educational system which develops the relationship between intellectual growth and creative activity.

To encourage students to benefit from a multitude of learning experiences whether through contact with the rich backgrounds of our faculty, or interaction with the city, and involvement with fellow students and the city's locals. Human "intersections" can deepen the students' relationship with the city and how its structures are experienced, and therefore inspire their approach to architecture in studies and projects.

The School is located in the historical neighborhood of Santa Croce, in Palazzo Doni, a palace which hosted Michelangelo Buonarroti. Palazzo Doni is equipped with the following facilities:

- One photo lab
- One printing lab
- One 18 seats capacity computer and research lab classroom
- Two 14 seats capacity computer and research lab classrooms
- One 10 seats capacity computer and research lab classroom
- One 45 seats capacity lecture room
- One 20 seats capacity computer and Internet center
- One workout room offering machines, constantly accessible to students
- One reading area and study area

- One academic office
- Free wi-fi access
- Hangout space for students.

All classrooms are equipped with whiteboards. Audio-visual equipment (PPT, DVD, CD and digital projectors) is also available.

IDEAS is an institution which employs a dedicated and experienced international faculty offering challenging academic experiences inside and outside the classroom, and professional staff for studio lab sessions that supports students in every hands-on aspect of their education, while also providing a space where research and creativity can flourish. The School offers opportunities for enrichment and exposure to the local community through projects, shows, events, and internships.

CAREER PROGRAMS

ECO-SUSTAINABLE DESIGN

This unique program focuses on the philosophy of designing and adheres to the principles of economic, social and ecological sustainability.

YEAR 1 SEMESTER I (FALL)

CORE COURSES

- Italian Language (*) (45 lecture hours)
- ID SA PS 330 Project for a Sustainable Interior Design I

- DI VC CG 150 Introduction to Computer Graphics
- ID SA DN 310 Design by Nature I
- ID ID TD 160 Technical Drawing and CAD
- DI PH PS 220 Introduction to Photoshop

SEMINARS

- FT FC CP 200 Art Media: Introduction to the Creative Process
- ID SA DP 280 Design Principles for Sustainability
- ID SA GR 325 Global Recycling Policies
- ID SA SF 300 Sustainable Future: Historical and Critical Contexts
- PS PD PO 350 Portfolio Development I

(*)Students enrolled in the certificate program are required to take a three-week Italian language course before the start of their certificate program or an Italian course during the semester.

SEMESTER II (SPRING)

CORE COURSES

- ID SA PS 330 Project for a Sustainable Interior Design II
- ID SA SL 355 Sustainable Life Cycle
- ID ID CD 280 3D Computer Design and Rendering
- ID SA DN 380 Design by Nature II
- ID SA GP 340 Green Packaging Design
- PS SP ES 340 Special Project in Eco-Sustainable Design or Italian Language (45 lecture hours)

SEMINARS

- ID ID IL 270 Introduction to Lighting
- ID SA LS 320 Sustainable Life Strategies
- ID SA SC 315 Creating a Sustainable Career
- ID SA MM 345 Materials and Methods for Green Printing
- PS PD PO 360 Portfolio Development II

YEAR 2 SEMESTER III (FALL)

CORE COURSES

- ID SA DG 335 Marketing and Design for a Sustainable Life Style
- ID SA SG 385 Sustainable Graphic Design for a Contemporary Green World
- ID SA HS 370 History of Sustainability: a look to the past for a Future Vision
- ID SA ST 360 Systems Thinking Design
- PS IN TA 420 Teaching Assistant Internship

SEMINARS

- ID SA ME 380 Marketing Ethical Strategies
- ID SA BE 390 Built Environment Influence on the Human Life
- PS PD PO 380 Portfolio Development III

SEMESTER IV (SPRING)

CORE COURSES

DI ES SC 350 Sustainable Community: a Way of Life
DI ES HL 365 Holistic Living and Permaculture Design

DI ES BN 375 Biomimicry: Nature as Inspiration for Designers
PS PD PO 400 Portfolio Development IV
PS IN IN 450 Internship

LUXURY DESIGN

The purpose of the certificate is to give a preparation in Luxury Design starting from projects of small scale luxury objects such as furniture.

YEAR 1 SEMESTER I (FALL)

CORE COURSES

Italian Language (*) (45 lecture hours)
BU MA SL 350 Strategic Luxury Brand Management
ID PD LF 330 Luxury Furniture Design
BU MA CB 335 Consumer Behavior
ID PD PD 315 Product Design
ID ID TD 220 Technical Drawing and CAD
SEMINARS
FT FC GS 270 Glamour and Style: the Pitti Fashion Shows
FT FC CP 200 Art Media: Introduction to the Creative Process
DI VC PM 220 Presentation Media
DI VC CB 310 Commercial and Business Advertising
PS PD PO 350 Portfolio I

(*)Students enrolled in the certificate program are required to take a three-week Italian language course before the start of their certificate program or an Italian course during the semester.

SEMESTER II (SPRING)

CORE COURSES

CP CR CM 360 Creative Advertising and Communication of Italian Excellence:
Art, Food, Fashion and Wine
FT FC PF 280 Faces Facts and Places in Italian Fashion
ID ID CD 280 3D Computer Design and Rendering
ID ID LR 365 Luxury Residential Interior Design (Tuscan Mansion Design)
PS SP LD 340 Special Project in Luxury design
SEMINARS
DI PH FP 210 Introduction to Fashion Photography
DC VC VB 280 Visual Communication in Business
ID ID WD 315 Winery Design
ID ID IL 270 Introduction to Lighting
PS PD PO 360 Portfolio II

YEAR 2 SEMESTER III (FALL)

CORE COURSES

ID ID DH 370 Deluxe Hotel
IS IS MI 250 Made in Italy
ID PD TD 350 Transportation Design
PS IN TA 420 Teaching Assistant Internships
FT FC VM 325 Visual Merchandising and Display
SEMINARS
FW CA SC 300 Local Restaurants and Wine Bars: Signature Chefs and Sommeliers
HP HT CS 370 Customer Satisfaction
PS PD PO 380 Portfolio III

SEMESTER IV (SPRING)

CORE COURSES

ID PD YD 370 Yacht Design
PS SP LD 390 Special Project in Luxury Design II
ID ID SD 375 Spa Design
PS PD PO 400 Portfolio Development IV
PS IN IN 450 Internship

DEPARTMENT OF ARCHITECTURAL RESTORATION AND HISTORY OF ARCHITECTURE (RH)

Focusing on the on the historical aspects of architectural restoration, the Department of Architectural Restoration and History of Architecture emphasizes sustainable techniques and methodologies and covers several topics in Renaissance architecture.

ID RH SR 230 Survey and Restoration

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course will introduce the student to the fundamental techniques of survey of spaces and detail in architectural buildings. Main instruments and techniques of restoration will also be covered.

LA AH EC 250 The European City: From Antiquity to the Renaissance

4 semester credits (60 lecture hours)
Cross-listed from school of Liberal Arts (LA), department of Art History

ID RH HB 330 Historical Building Restoration and Conservation

3 semester credits (45 lecture hours) The course aims to provide the instruments to develop the skills to make a correct evaluation of the conservation status of an architecture, to define the necessary works to repair its parts through conservation and restoration practices particularly dealing with historical buildings. Through the study of the traditional building techniques, students will discover the difference between inner buildings structural instabilities and defects, and damage of the various parts due to the natural evolution of the building life, external forces and weather change. Particular attention will be focused on causes of crack and collapse of the structural elements such as foundations, columns, walls, floors, arches and domes.

LA AH CT 331 Classical Tradition in Western Art and Architecture

4 semester credits (60 lecture hours)
Cross-listed from school of Liberal Arts (LA), department of Art History

LA AH SD 336 Secret Domestic Architectural Details of Renaissance Florence

4 semester credits (60 lecture hours)
Cross-listed from school of Liberal Arts (LA), department of Art History

ID RH SI 340 Sustainable Interior Design In Historical Buildings

3 semester credits (45 lecture hours) Preserving historic buildings is essential to understanding the nation's heritage. In addition, it is an environmentally responsible practice. By reusing existing buildings, historic preservation is essentially a recycling program of 'historic' proportions. Existing buildings can often be energy efficient through their use of good ventilation, durable materials, and spatial relationships. An immediate advantage of older buildings is that they already exist; therefore energy is not necessary to create new building materials and the infrastructure is already in place. Minor modifications can be made to adapt existing buildings to compatible new uses. Systems can be upgraded to meet modern building requirements and codes. This not only makes good economic sense, but preserves our legacy and is an inherently sustainable practice. Historic buildings were also traditionally designed with many sustainable features that responded to climate and site. When effectively restored and reused, these features can bring about substantial energy savings. Taking into account historic buildings' original climatic adaptations, today's sustainable technology can supplement inherent sustainable features without compromising unique historic spaces. This course will introduce student to the concepts of sustainable design and the elements of an integrated design process, then provide student an introduction to the Historic Preservation process with a special focus on how to balance sustainability goals and operations, and maintenance practices with preservation solutions. Utilizing sustainable design principles in an integrated design process will enable student to achieve the goals of his project and create high-performance buildings.

LA AH AR 341**Italian Renaissance Architecture**

4 semester credits (60 hours)

Cross-listed from school of Liberal Arts (LA), department of Art History

LA AH DA 346**Domestic Architecture and Lifestyle in Renaissance Florence**

4 semester credits (60 hours)

Cross-listed from school of Liberal Arts (LA), department of Art History

ID RH AT 350**Architecture Treatises: Theory Versus Practice**

3 semester credits (45 hours)

This course aims to give the student a knowledge on the main treatises that characterizes architecture now days exploring the ongoing discussion between the antique and the modern texts. Vitruvius, Alberti, Serlio Vignola and Palladio will be the starting point of the study that will continue with the Enlightenment movement, Boulée, Ledoux and Durand.

LA AH AA 355**Art and Architecture in Florence and Tuscany**

3 semester credits (45 hours)

Cross-listed from school of Liberal Arts (LA), department of Art History

ID RH MA 360**Masters of Architecture**

3 semester credits (45 lecture hours) This course consists of theoretic and practical lessons that gradually and comprehensively allow the student to approach the logics of the composite syntax and design problematics of contemporary architecture. Students will conduct a critical analysis of concrete examples of architecture through the works of globally recognized architects, presented in individual lessons focusing on the direct and cross-sectional approach to such architects in order to draw out significant relationships of methods and language from their projects and singular experiences. The principal objective posed by this course is to understand the original features of an architectural project or research, starting from a reflection upon the "elements of architectural composition," their application, and the evolution of architecture. The analysis is conducted with a historical timeframe, starting from a study of the masters of architecture such as Boule and Palladio and how the application of their teachings is located in subsequent architects such as Thomas Jefferson and arrives at the works of masterpieces modern architects such as Le Corbusier, Louis Khan, Mies van der Rohe, and Frank Lloyd Wright and those from the Italian panorama including Carlo Scarpa. The concluding studies will be concentrated on current masters working in the field such as Alvaro Siza, Peter Zumthor and Santiago Calatrava.

DEPARTMENT OF ARCHITECTURAL STUDIES (DA)

The Department focuses on developing basic technical skills and introducing students to subjects such as Architectural Studio (at various levels), to the processes of projecting and to the way human and physical contexts influence forms.

ID DA AS 220**Architecture Studio I Drafting**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) In the field of interior architectural design the thought and the method of expression are equally important. Students will learn to communicate their design ideas through the use of instrumental and freehand drawings. The course will cover the production of orthographic, multi-view, isometric, oblique, and perspective drawings. Different media and color will be explored, as well as, English and Metric units of measure. Cross-listed to Art History (Liberal Arts)

ID DA AP 310**Architecture Project I**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) A design studio course introducing the processes of projecting, judgment, and communications involved in the synthesis of architectural form. Through a focused series of individual and group projects, the influences of the human and physical contexts on form are explored.

ID DA AS 320**Architecture Studio II Interior/Exterior Delineation**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) Students will continue to develop skills introduced in Architecture Studio I, drafting in 3D exploration of interior space through the production of One-Point, Two-Point, and Three-Point Perspective Delineation with the use of technical instruments, freehand drawings, and computer generated studies. Students will be introduced to different techniques of assisted drawing and 3-D computer aided design software.

ID DA AP 410**Architecture Project II**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) An advanced design studio course in the processes of projecting, judgment, and communications involved in the synthesis of architectural form. Through a focused series of individual and group projects, the influences of the human and physical contexts on form are explored.

Prerequisites: Architecture Project I or equivalent.

ID DA AS 420**Architecture Studio III Rendering**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) Advanced communication skills are developed through sketching, delineation, drafting, and rendering techniques specifically geared toward effective design presentations. Various rendering techniques and media are explored with an emphasis placed on the effective graphic communication of design ideas in plan, section, elevation, and 3D.

Prerequisites: Architecture Studio II or equivalent.

DEPARTMENT OF INTERIOR AND VISUAL DESIGN (ID)

The Department of Interior and Visual Design focuses on interior design in residential, commercial, and community buildings, analyzing lighting aspects, technical drawing, materials used in industrial design and furnishing and gardens.

ID ID ID 200**Introduction to Interior Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This is an introductory course on the planning and furnishing of interiors. The course will discuss both the technical (architectural drawing, plans, facades, sectional drawing, space planning, color development, etc.) and the theoretical. Students will also be given an overview of the history of interior design, technology and materials. Field trips are an integral part of the course curriculum.

ID ID DI 210**Introduction to Industrial Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course is an introduction into the principles of Industrial Design. The course covers: the vocabulary, process and methodology of product development, and the relevance and importance of two- and three-dimensional sketching in problem-solving situations. Through lectures, discussions and exercises (two- and three- dimensional representations for both individual and group projects) students will explore Industrial Design as a creative process. Students will also become familiar with the history of Industrial Design, its major innovations and its key players, with particular emphasis on Italian designers, whose work will be examined on-site.

ID ID TD 220**Technical Drawing and CAD**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This is a course in which students are introduced to the general concepts of CAD (Computer Aided Design), emphasis is placed on two-dimensional drawing applications such as plans, sections, elevations and furniture. During the course students learn how to develop their projects through the use of the computer and how to control the final outcome in plotting their final drawings.

ID ID HI 250**History of Interior and Industrial Design**

3 semester credits (45 lecture hours) This course gives students a historical survey of interior and industrial design from the 19th century Industrial Revolution to the present day. This historical study of interior design will be set within the context of social, artistic, economic, political, technological and scientific issues. Furniture and other single elements of interior design will receive as much attention as the architectural context. Topics include: the relationship of interior and industrial design to architecture, the economic and social influences of design, and the history of Italian design and furnishings in terms of style, materials, production, technology, ergonomics and context. Cross-listed to Art History and Architecture (Liberal Arts).

ID ID IL 270**Introduction to Lighting**

3 semester credits (45 lecture hours) This course introduces students to the art and technology of lighting and explores the use of lighting as a design element in the interior environment. Students will learn to analyze lighting installations, calculate lighting levels for interiors, select appropriate light fixtures, and prepare a lighting plan based on one of their studio projects. Emphasis will be placed on technical and aesthetic issues in relation to the illumination of interiors.

Prerequisites: Introduction to Interior Design.

This course is also offered as a seminar for 1 semester credit, 15 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study.

ID ID CD 280**3D Computer Design and Rendering**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) In this course students will learn the concepts and techniques of creating, viewing and manipulating 3D models. Through the generation of drawings and perspectives, students develop an in-depth understanding of the modeling and rendering techniques used for creating objects, furniture and interior spaces.

Prerequisites: Technical Drawings and CAD or equivalent.

Cross-listed to Jewelry Design (Fashion and Accessory Studies and Technology)

ID ID ID 300**Intermediate Interior Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course is focused on the student's realization of an individual project with the Interior Design of a public or private space. The emphasis of the course is to introduce the student to the balance of the threefold relationship between the physical, the functional and the aesthetic in Interior Design. The discussion and analysis of contemporary Italian trends in Interior Design form an integral part of the course. An open critique session will follow every major project submission. Field trips are an important part of the course.

Prerequisites: Introduction to Interior Design or equivalent.

ID ID VD 305**Introduction to Visual Design in the Hospitality Industry**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course will explore the aesthetic, color, function, light, shape, texture of restaurants, pastry shops, bakeries, in order to give students a better understanding of how and why restaurants are designed and decorated the way they are.

Prerequisites: Introduction to Interior Design or equivalent.

Cross-listed to Restaurant, Food and Beverage Management (Hospitality)

ID ID WD 315**Winery Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) The objective of this highly specialized course is aimed to introduce the fundamental elements of designing wineries. Students will analyze model wineries and the functionality of their layout. Equally important factors to examine are location, geographic positioning, the influence of meteorological conditions, design layout and construction processes. Students will be asked to turn in a winery project as their final assignment.

Prerequisites: Introduction to Interior Design or equivalent.

ID ID RD 320**Residential Interior Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) In this course students learn to focus their skills on the solution of multi-functional residences such as apartments, lofts, or small one-family houses. Students are encouraged to analyze design solutions that focus on decorative and architectural approaches. Particular attention is given to building code issues, space planning, and furniture arrangement. Students' projects will be presented and illustrated with technical drawings, renderings, reference images, descriptions of materials and fabric.

Prerequisites: Introduction to Interior Design or equivalent.

ID ID MD 335**Exhibition and Museum Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) In contemporary life, museums and exhibitions have increasingly become more privileged places which bring together art, culture, architecture, old and new technologies and entertainments within the context of highly spectacular events. They have become new extraordinary complex places of modernity, no longer destined to be mere repositories of works of art but places which amaze, amuse, interest and provoke emotions and sensations among images, the imaginary and the imagination. All this has fundamentally changed the traditional figure of the museum designer who is now placed at the centre of a complex, creative process requiring a wide range of new competencies and professionalism, together with increasingly more specific knowledge using all the languages and the instruments offered by many contemporary mediums. Students will work on technical exercises and projects; lectures, site visits and field trips are an integral part of the course curriculum.

Prerequisites: Introduction to Interior Design or equivalent.

ID ID RS 340**Retail Space and Public Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course focuses on the architectural approach to retail projects and public interior spaces, such as bars and restaurants, hotel lobbies, offices, shops, department stores and exhibit areas. Students develop their projects in the field of temporary commercial fairs and learn how to control space both from the functional and the aesthetic point of view. During the course students analyze different themes and are given the opportunity to experience first-hand professionals at work. Projects are developed with emphasis on the conceptual research on the best design solutions and solving functional and distribution problems.

Prerequisites: Intermediate Interior Design or equivalent.

ID ID MD 350**Materials and Methods in Industrial Design and Furnishing**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course focuses on the integration of design and fabrication skills in industrial design and furnishing. Common manufacturing techniques are presented through a series of lectures, demonstrations and analysis sessions. Emphasis is on the practical relationship between industrial and furnishing design and the manufacturing industry, and the technical considerations that influence the choice of materials and process for both small and mass production. The concept of environmentally "green design" will be introduced and integrated into design projects.

Prerequisites: Introduction to Industrial Design or equivalent.

PS PD PO 350**Portfolio Development I**

3 semester credits (90 hours)

Cross-listed from school of Professional Studies (PS), department of Portfolio Development

ID ID HD 355**Hotel Design and Planning**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) Students will learn how to design and plan hotel structures. The course focuses on the all phases of creating and constructing a hotel, beginning with the initial creative stages of designing on paper and with software the look, color schemes, and functionality of the structure. Students then confront the structural problem solving issues raised such as energy conservation, space efficiency, and structural efficiency. The discussion of contractual

procedures of drawing up documents and contracts enable the student to envision hotel planning in all phases of evolution, to be projected into their personal vision of a hotel and turned in as a part of the final portfolio.

Prerequisites: Intermediate Interior Design or equivalent.

Cross-listed to Food and Beverage Management (Hospitality)

ID ID LG 360

Landscaping and Garden Design I

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) The course is meant to give students the technical media to plan and organize the composition, and planting of gardens. The aim of the course is to give students the requisite skills to create stylish outdoor living spaces and gardens through the use of plants, furniture, materials and techniques; they are encouraged to analyze the characteristics of different plants and planting schemes from an architectural as much as a decorative approach. The course will start with an analysis of the most famous historical gardens in Italy, their location and positioning, and weather and climate conditions. The second part will be devoted to students' individual projects. Development of idea expression through graphic media and the use of drawing techniques for visual representation, including plan, section, and axonometric drawing. Includes an introduction to computerized drafting and drawing.

Prerequisites: Intermediate Interior Design or equivalent.

Cross-listed to Urban Territory and Landscape Planning (Horticulture)

PS PD PO 360

Portfolio Development II

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

Cross-listed from school of Professional Studies (PS), department of Portfolio Development

ID ID LL 365

Landscape Lighting

3 semester credits (45 lecture hours) This course will examine basic themes on lighting and the use of night landscapes: the city, its skyline, urban nightlife, safety, monuments, gardens and squares. Specific focus will be on new technologies of light sources and of instruments/devices, and of new solutions for calculations and simulations as well. Other topics will include sustainability and light pollution, light as an artistic expression (light art, son et lumire) and its influence on architecture. The projects of remarkable, European lighting designers will be analyzed and the course will also include visits to parks and monuments and practical classes with specific design softwares.

This course is also offered as a seminar for 1 semester credit, 15 lecture hours. The regular semester class will introduce students to the subject and then focus in the area of study, while the seminar will focus on the specialized area of study.

Prerequisites: Introduction to Lighting or equivalent.

ID ID LR 365

Luxury Residential Interior Design (Tuscan Mansion Design)

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

This interior design course teaches how to shape and influence the luxury residential space in which people live, focusing on the Tuscan countryside. Students learn to create, design and organize innovative residential solutions using various sophisticated and expensive materials, finishings and construction methods. Students develop their skills in design theory, communication systems, and digital graphics design.

Prerequisites: Introduction to Interior Design or equivalent.

ID ID DH 370

Deluxe Hotel

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course analyzes all aspects related to planning luxury hotel interior design, elegant and sophisticated furniture, new materials, the use of color, and the strategic role of lighting and sound devices, while also focusing on the evolution of the market and new hotel common spaces that are undergoing a radical change. Hotels today increasingly host new functions, becoming versatile spaces open to city life. This new conception of common areas has determined a total rethinking of the hotel's organization, of the features of its spaces and its furnishings.

Prerequisites: Introduction to Interior Design or equivalent.

ID ID SD 375

Spa Design

3 semester credits (90 hours: 45 lecture hours -45 studio hours)

This specialistic course examines all the elements that define a spa project. Starting from a vision and concept, students will define their projects in terms of market positioning and branding standard, spa space planning and preliminary design, budget and equipment selection. All the elements will be organized in an interior design scheme to achieve an aesthetically and functionally good pattern. The course focuses on architectural design strategy, and students will work on the interior coordinating materials and finishes of their projects.

Prerequisites: Introduction to Interior Design or equivalent.

PS PD PO 380

Portfolio Development III

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

Cross-listed from school of Professional Studies (PS), department of Portfolio Development

PS PD PO 400

Portfolio Development IV

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

Cross-listed from school of Professional Studies (PS), department of Portfolio Development

ID ID LG 460

Landscaping and Garden Design II

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) For description see ID ID LG 360

Cross-listed to Urban Territory and Landscape Planning (Horticulture)

DEPARTMENT OF PRODUCT DESIGN (PD)

The Department of Product Design is structured in order to give students an overview of the field of specialistic design and basic skills in more specific sectors such as lamp design, transportation design and yacht design. Courses also focus on, among others, product packaging and visual merchandising.

ID PD MV 220

Marketing and Visual Merchandising

3 semester credits (45 lecture hours) Visual Merchandising is defined as the presentation of a store and its merchandise in ways that will attract the attention of potential customers and motivate them to make purchases. Visual merchandisers are responsible for developing and implementing the visual image of the retailer and for translating that image throughout the store in a variety of ways. Through imaginative, thought-provoking and sometimes controversial displays, the art and business of visual merchandising is particularly strong in Italy due to a widely spread sense of design and a native flair for anything stylish and avant-garde. Visual merchandising in Italian stores and boutiques will be explored. On-site visits and a field trip to Milan will form an integral part of the course.

Prerequisites: Introduction to Marketing.

ID PD LD 280

Lamp Design

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

This course gives students the practical and aesthetic skills for designing lamps and lighting installations and their application to residential or commercial interior design projects. Through the analysis of the large market of lamp production, students develop their knowledge in this design field while acquiring an ability to understand lighting effects in interior spaces. During the course students will research, design and construct prototypes.

Prerequisites: Introduction to Lighting or equivalent.

ID PD PL 300

Product Packaging and Labeling

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

This course is designed to give students a comprehensive overview of the techniques used to enhance the aspects of packaging. The course content includes: history and principles of packaging and labeling, functions of packaging, format and structure of ads, packaging trends, planning and designing product packaging. Graphics, color theory,

cultural-social-economic impact, the study of logos as well as important Italian and international package and product designers will be examined. Students will work on individual projects and in small groups planning new graphic strategies for marketing campaigns.
Prerequisites: Introduction to Industrial Design.
Cross-listed to Food Communication and Publishing (Journalism, Communication and Publishing)

ID PD PD 315 **Product Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) In this course students develop an understanding of the design of three-dimensional objects, which have a specialized function - in, for example, the domestic or hospitality spheres - and medium-low complexity. During the course students are introduced to the world of products for interiors in which Italy is a market leader and will study examples of well-known designers and their different styles. Students develop their projects through research, realize the prototypes and analyze the production costs.
Prerequisites: Introduction to Interior Design or Introduction to Industrial Design.

ID PD LF 330 **Luxury Furniture Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) In this course students will learn fundamental design processes through which products are conceived, developed and fabricated. Student will evaluate ergonomic criteria, safety requirements and construction techniques and the appropriate use of materials and details for style, comfort, utility and durability. Drawing techniques, sketching, computer renderings, scale models or prototypes will be an essential component of the course.

ID PD TD 350 **Transportation Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course covers the history of automotive projecting, design, philosophy and its evolution. Students will develop sketching and rendering skills and emphasis will be given to components, packaging of occupants and proportions as well. The class will also concentrate on drawing techniques used in the transportation design industry, taking in consideration interior and exterior aspects, the representation of textures and materials, and how to render them. Prerequisites: Introduction to Design or equivalent.

PS PD PO 350 **Portfolio Development I**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
Cross-listed from school of Professional Studies (PS), department of Portfolio Development.

PS PD PO 360 **Portfolio Development II**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
Cross-listed from school of Professional Studies (PS), department of Portfolio Development.

ID PD YD 370 **Yacht Design**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
This course empowers students with knowledge and skills in yacht design development. It aims at increasing their general level of competence on the subject through testing their current understanding and developing their know-how using research and experimental design activities. The course will give students a solid approach capable to promote competence and excellence in the field.
Prerequisites: Introduction to Industrial Design, Introduction to Product Design or equivalent.

PS PD PO 380 **Portfolio Development III**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
Cross-listed from school of Professional Studies (PS), department of Portfolio Development.

PS PD PO 400 **Portfolio Development IV**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
Cross-listed from school of Professional Studies (PS), department of Portfolio Development.

DEPARTMENT OF SUSTAINABLE ARCHITECTURE AND DESIGN (SA)

The Department of Sustainable Architecture and Design emphasizes the philosophy of designing using the principles of economic, social and ecological sustainability and adhering to the values revolving around them. This section of ideas aims at forming not just expert professionals but also responsible members of the community with a broader awareness of the world, its spaces, its resources and its inhabitants.

ID SA DP 280 **Design Principles for Sustainability**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
This course is a general introduction to the concept of sustainable development; it provides an overview of design and sustainable development in terms of ecology, economy and culture. Sustainability means to create a living system where people live in harmony with the planet and where economy and ecology can coexist. Students learn how to meet our needs and wants while saving the future and the health of the planet utilizing various facets of sustainability. The aim of the course is to prepare designers and planners to apply sustainable thinking to any future decision. This course is also offered as a seminar for 1 semester credit, 15 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study. Cross-listed to Sustainable Development (Global Studies) and Urban Territory and Landscape Planning (Horticulture).

ID SA SF 300 **Sustainable Future: Historical and Critical Contexts**

3 semester credits (45 lecture hours) This course provides students the tools and languages to address the creative inspiration between desire and actuality. With a focus on design history, since the time of the Industrial Revolution, the course deals with a number of contexts in order to examine the possible relationships between form and meaning. Through the analysis of the production and consumption of objects, materials and environment, students learn the relations between social, cultural and economic aspects within a variety of creative practices. New ways of thinking for innovations and a sustainable future are explored, and best practices for personal and business effectiveness are analyzed with emphasis on the connection between natural resources and creativity. This course is also offered as a special Seminar for 1 semester credit, 15 Lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study. Cross-listed to Sustainable Development (Global Studies)

ID SA DN 310 **Design by Nature I**

3 semester credits (45 lecture hours) The objective of Environmental Design is to conjugate technology to the human biology and psychology needs. This course introduces students to the fundamentals of product design practice and gives the opportunity to increase their innovation knowledge with a perspective on how to meet human needs while considering sustainable principles. Students learn how to use natural inspiration to generate new ideas for product features and optimizing design and understanding the strategic role of product design in the development of manufactured goods. Cross-listed to Urban Territory and Landscape Planning (Horticulture) and to Sustainable Development (Global Studies).

ID SA SC 315 **Creating a Sustainable Career**

3 semester credits (45 lecture hours)
This course guides students through the discovery and exploration of sustainable career choices in the growing green economy. Students will learn the notion of creative entrepreneurship in the context of design activity and strategies to immediately begin to work with sustainable companies. The course offers the possibility to consider one's own

personal development, cultural capital and market opportunity and the ability to make career choices based on a better understanding of the changing marketplace while focusing on the sustainability values and vision of the future. Students will understand how to market their eco-designs and will learn techniques for measuring their ability to reduce environmental impacts and build credibility for their efforts.

Cross-listed to Sustainable Development (Global Studies).

This course is also offered as a special seminar for 1 semester credit, 15 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study.

ID SA LS 320 Sustainable Life Strategies

3 semester credits (45 lecture hours) In this course students explore sustainability through positive, creative, engaging, hands-on learning, making practical steps towards sustainability in their own homes, workplaces, and communities. Based on the well known "Natural Step Framework" and on the "Union of Concerned Scientists" three major consumer impacts, students examine the principles of sustainability. They will experiment with the natural procedures that allow one to control the major impacts of ones life. At the end of the course, students know what sustainability is, and have used it to save money and the planet. This course is also offered as a special seminar for 1 semester credit, 15 Lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study. Cross-listed to Sustainable Development (Global Studies)

ID SA GR 325 Global Recycling Policies

3 semester credits (45 lecture hours) This course examines the history of an emerging public policy which promotes design for the environment, referable purchasing and other product policy strategies. The course focuses on the business case for product stewardship and other strategies to reduce the influence of products on the environment. The European, North American, and Asian policing with product policy is considered, and the context for product policy in the US is also highlighted with an overview of product-specific approaches. The course features an analysis of the tools available to policymakers in order to promote product policy, including laws, voluntary agreements and demonstration projects. This course is also offered as a seminar for 1 semester credit, 15 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study. Cross-listed to Sustainable Development (School of Global Studies)

ID SA PS 330 Project for Sustainable Interior Design I

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course provides students both conceptual frames and analytical tools for designing with sustainable materials focusing on simple methods consisting of a unique tool which guide the green novice or the design veteran in analyzing the sustainability of a wide range of products and materials. Through the practical experience, students explore the design process and create sustainable furniture, products or interior design from the analyzed materials. The tools and the emerging practices provided during the course help in evaluating and selecting materials for high-performance residential and commercial interior design build-outs, furnishings and green products. Cross-listed to Sustainable Development (Global Studies)

ID SA MD 335 Marketing and Design for a Sustainable Lifestyle

3 semester credits (45 lecture hours) This is a highly interactive course in which students are shown sustainable, innovative, profitable and competitive products in the global marketplace. Focusing on strategies for using eco-design to obtain new products, concepts and business models, this course satisfies the needs of opinion makers and designers involved in new product development, marketing and sustainability. Students understand how to market their eco-designs, and learn techniques for measuring their ability to reduce environmental impacts and build credibility for their efforts. Cross-listed to Sustainable Development (Global Studies)

ID SA GP 340 Green Packaging

3 semester credits (45 lecture hours) Packages are handled every day and are the chief support of modern commerce but, on the other hand, they are thirty percent of our waste stream. This course is an essential analysis of packaging: from material selection to environmental impact, to consumer perception and market contest. At the course completion, students will be able to look at a packaging problem objectively and be able to maximize a product's appeal while minimizing eco-impact generating innovative design. Cross-listed to Sustainable Development (Global Studies).

PS SP ES 340 Special Project in Sustainable Architecture and Design

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
Cross-listed from school of Professional Studies (PS), department of Experiential Learning

ID SA MM 345 Materials and Methods for Green Printing

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course on sustainability and printing is tailored to designers and buyers of print. Students will explore the fundamentals for specifying more sustainable papers, inks and printing; understand trends and theories; work with tools and guidelines that will help them apply the principles of sustainability to printing. This course is also offered as a seminar for 1 semester credit 15 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study.

ID SA SC 350 Sustainable Community: A Way of Life

3 semester credits (45 lecture hours) Prosperity and ecological health depend on one other; this is the common sense behind sustainability that, like democracy, is an ideal, an organizing strategy and a future state. A sustainable world requires changes in the design of most of the things around us: our businesses, energy and materials use, product design, financial systems, how we build our cities and houses, and how we live day by day. In this course students critique and redesign an existing community space using elements of a more sustainable lifestyle. Cross-listed to Sustainable Development (Global Studies).

PS PD PO 350 Portfolio Development I

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)
Cross-listed from school of Professional Studies (PS), department of Portfolio Development

ID SA SL 355 Sustainable Life Cycle

3 semester credits (45 lecture hours) In this course students understand how make choices which lead to sustainability starting from ecological accounting and life cycle assessment. The course teaches how to communicate that life cycle to consumers through visual communication, storytelling and information graphics. Students develop design alternatives, documenting impact, and communicating the results. Designs are followed from material creation through manufacturing, use and end of life; moreover, innovative strategies for improvement are explored. Cross-listed to Sustainable Development (Global Studies)

ID SA ST 360 Systems Thinking Design

3 semester credits (45 lecture hours) This course analyzes today's market and gives students the tools required to succeed in this dynamic transition. Systems thinking, languages of design, and product life cycles are strictly connected and form the solid foundation for innovative products. Theory is practiced through market specific projects. This course is also offered as a seminar for 2 semester credits, 30 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study. Cross-listed to Sustainable Development (Global Studies)



PS PD PO 360**Portfolio Development II**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

Cross-listed from school of Professional Studies (PS), department of Portfolio Development

ID SA HL 365**Holistic Living and Permaculture Design**

3 semester credits (45 lecture hours) Permaculture Design uses holistic principles to design living systems that provide benefits without exhausting resources. Starting with observation and ending by approaching change, Permaculture Design brings a new appreciation for adversity; students study the principles of Permaculture Design and build examples, map environmental relationships and ecological requirements of their work. Cross-listed to Sustainable Development (Global Studies) and Urban Territory and Landscape Planning (Horticulture)

ID SA HS 370**History of Sustainability: A Look at the Past for a Future Vision**

3 semester credits (45 lecture hours) This course analyzes the work of Richard Buckminster Fuller and how his designs are still far beyond our practice. He was part of the chain of Transcendentalists, which included Emerson and Thoreau. Buckminster Fuller, along with many others (including Ian McHarg, Victor Papanek, Paul McReedy and John Todd), pioneered the sustainability field that is extremely up to date today. Students can develop skills in design inspiration discovering the farsightedness of these pioneers. Cross-listed to Sustainable Development (Global Studies)

ID SA BN 375**Biomimicry: Nature and Inspiration for Designers**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course will analyze the living systems which provide ample inspiration for sustainable design. The students are given the basics of biological principles and supply a wealth of examples from the natural and designed worlds. The course provides powerful metaphors and methods for looking to nature as model, mentor, and measure in our designs. Cross-listed to Urban Territory and Landscape Planning (Horticulture)

ID SA DN 380**Design by Nature II**

3 semester credits (45 lecture hours) The objective of Environmental Design is to conjugate technology to the human biology and psychology needs. This course introduces students to the fundamentals of product design practice and gives the opportunity to increase their innovation knowledge, with a perspective on how to meet human needs while considering sustainable principles. Students acquire the motivations to invent and develop new ideas, learn tools and strategies utilized in the field of sustainable development with a focus on the ones that are directly applicable to sustainable product design. Relevant eco-design and sustainability strategies, such as alternative materials and technologies, are investigated and applied in specific assessments. Cross-listed to Sustainable Development (Global Studies)

ID SA ME 380**Marketing Ethical Strategies**

3 semester credits (45 lecture hours) Ethic is today an intangible extra value, which people are looking for in products or services. From production methods, business practices and relationships to corporate giving and vendor associations, people are paying attention to who serves their needs as much as what they are selling. This course analyzes these connections, opportunities for applying marketing levers based on corporate values, and how to establish and profit from healthiness. This course is also offered as a seminar for 1 semester credit, 15 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study.

PS PD PO 380**Portfolio Development III**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

Cross-listed from school of Professional Studies (PS), department of Portfolio Development

ID SA SG 385**Sustainable Graphic Design for a Contemporary Green World**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course explores sustainable graphic design through readings, exercises and projects. The objective is to apply various eco-design theories while exploring practical techniques and applications specific to graphic design. Students acquire new insight into the design process and the aesthetic and physical relationships between humans and nature, as well as new techniques and tools, such as lifecycle assessment and planning, sustainable design principles, process and material evaluations that incorporate sustainability into everyday design work. Cross-listed to Urban Territory and Landscape Planning (Horticulture)

ID SA BE 390**Built Environment Influence on Human Life**

3 semester credits (45 lecture hours) This course examines the interactions between social, behavioral, cultural and technological dimensions of the built environment. Through lectures, discussion and research projects, students explore the theoretical, historical and scientific context of the built environment as they develop and increase their level of environmental knowledge. This course is also offered as a seminar for 1 semester credit, 15 lecture hours. The regular semester class will introduce the student to the subject and then focus on the area of study, while the Seminar will focus on the specialized area of study.

Cross-listed to Urban Studies (Global Studies)

ID SA PS 390**Project for Sustainable Interior Design II**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours) This course provides students with the tools required by interior planning in accordance with sustainability principles. Starting with the preliminary concepts and the study of contemporary designers' work, students will be lead to the examination of new sustainable materials and the recovery techniques of reuse and renovation of a former industrial building. In the project definition phases, students will experiment the architectural language typical of waste reduction, spaces reuse and materials recycling. Through critical thinking students will acquire both necessary competences for the making of sustainable architecture and knowledge on high performance new materials.

Prerequisites: Project for Sustainable Interior Design I.

Cross-listed to Sustainable Development (Global Studies)

PS PD PO 400**Portfolio Development IV**

3 semester credits (90 hours: 45 lecture hours - 45 studio hours)

Cross-listed from school of Professional Studies (PS), department of Portfolio Development