

### 3C.5. Interior Architecture Engineering Sub-Specialty Courses

ARC301	Interior Design 1	4 CH (2,4,0)
<b>Course Contents</b>	Requirement of residential and touristic buildings, in addition to Human Factors issues including ergonomics, human behavior are the core of this design studio. Domestic interior design and medium scale projects are delivered with an emphasis on detailed drawings and visualization techniques.	
<b>Prerequisite (s)</b>	ARC214	
<b>Textbook</b>	DeChiara, Joseph; Panero, Julius; Zelnik, Martin, 2001: <i>Time-Saver Standards for Interior Design and Space Planning</i> . McGraw-Hill; 2nd Edition –OR- the most recent metric version	
<b>Lab./Computer work/Project</b>	Residential & Touristic – Domestic Interiors	

ARC401	Interior Design 2	4 CH (2,4,0)
<b>Course Contents</b>	The course addresses the interior design of retail and commercial buildings, combining concepts, construction, and materials into an integrated whole. Case studies of different retail and commercial buildings are studied, analyzed and discussed in the studio. Issues of style, modernity and technology are examined and reported.	
<b>Prerequisite (s)</b>	ARC301	
<b>Textbook</b>	Drew Plunkett, Olga Reid, 2012: <i>Detail in Contemporary Retail Design</i> . Laurence King Publishing, Har/Cdr edition	
<b>Lab./Computer work/Project</b>	Retail	

ARC302	Historic Interiors	2 CH (1,2,0)
<b>Course Contents</b>	The course addresses different topics in different periods, topics like: Interior and Furniture design and how are they affected by materials and construction systems. A wide scope of different historic periods is studied addressing different historic eras from Renaissance to modernity.	
<b>Prerequisite (s)</b>	ARC326	

<b>Textbook</b>	Recommended Readings: Instructor's lecture notes and Handouts related to chosen eras and case studies.
<b>Lab./Computer work/Project</b>	

ARC303	Theory of Colors	2 CH (1,2,0)
<b>Course Contents</b>	This course aims at developing students' skills of using colors to simulate different materials in interior design. It focuses on the effect of color and light on different surfaces, textures and materials. It also addresses the effect of different colors on human beings in different interiors. Emphasis is placed on color mixing, color relationships, visual impact as well as psychological and symbolic uses of color in interior architecture and design.	
<b>Prerequisite (s)</b>	As Advised	
<b>Textbook</b>	Aaris Sherin, 2012: <i>Design Elements, Color Fundamentals: A Graphic Style Manual for Understanding How Color Affects Design</i> . Rockport Publishers.	
<b>Lab./Computer work/Project</b>	--	

ARC403	Theories of Contemporary Interiors	2 CH (2,0,0)
<b>Course Contents</b>	The course aims at studying the contemporary movements of different interior design schools, and their impact on the interior and furniture design locally and internationally.	
<b>Prerequisite (s)</b>	ARC302	
<b>Textbook</b>	<ul style="list-style-type: none"> <li>Joy H. Dohr, Margaret Portillo, 2011: <i>Design Thinking for Interiors: Inquiry, Experience, Impact 1st Edition</i>. Wiley.</li> <li>Instructor's Lecture notes and Handouts</li> </ul>	
<b>Lab./Computer work/Project</b>	--	

ARC404	Interior Design Styles & Trends 1	3 CH (2,2,0)
<b>Course Contents</b>	The course aims at studying the theories of different interior design European and American schools, styles and trends, and how they influence	

	contemporary interiors. Students address different characteristics of these schools; discuss their philosophies and influences through group discussions in the classroom.
<b>Prerequisite (s)</b>	ARC303
<b>Textbook</b>	Buie Harwood, Bridget May, Curt Sherman, 2011: <i>Architecture and Interior Design: An Integrated History to the Present (Fashion Series) 1st Edition</i> . Pearson
<b>Lab./Computer work/Project</b>	--

ARC408	Furniture Design 1	3 CH (2,2,0)
<b>Course Contents</b>	The course introduces students to the furniture design considering ergonomic, scientific and functional aspects. This is achieved by studying the form and function of the piece of furniture through sketching, drawing and finally by model making and testing to enable students to design with deep understanding of the many aspects of modern furniture making and manufacturing.	
<b>Prerequisite (s)</b>	ARC214	
<b>Textbook</b>	Jim Postell, 2012: <i>Furniture Design 2nd Edition</i> . Wiley	
<b>Lab./Computer work/Project</b>	--	

ARC305	Interior Acoustics & Lighting	3 CH (2,2,0)
<b>Course Contents</b>	The course develops the students' basic understanding of "room acoustics", how to choose and use suitable sound systems in specific interiors requiring specific functions. Also, students learn how to choose and use the right and suitable light system for special different interiors with different functional requirements. Students also learn how to design suitable acoustic and lighting systems for special functional interiors.	
<b>Prerequisite (s)</b>	ARC364	
<b>Textbook</b>	John E. Flynn, Jack A. Kremers, Gary Steffy, 1992: <i>Architectural Interior Systems: Lighting, Acoustics, Air Conditioning</i> . Van Nostrand Reinhold.	
<b>Lab./Computer work/Project</b>	--	

ARC304	Interior Design Execution 1	3 CH (2,2,0)
<b>Course Contents</b>	The course develops the students' knowledge and skills of producing working and execution drawings of interior design spaces; in plans, sections, and sectional elevations and internal wall elevations, with full labels, dimensions, levels and material finishing.	
<b>Prerequisite (s)</b>	ARC371 + ARC346 + ARC363	
<b>Textbook</b>	Slitt; Fred. <i>Working Drawing manual</i> , 1998, McGraw Hill	
<b>Lab./Computer work/Project</b>	--	

ARC406	Interior Design Execution 2	3 CH (2,2,0)
<b>Course Contents</b>	The course develops the students' knowledge and skills of producing working and execution drawings of interior design details; in plans, sections, fixations and joints for different building elements; different types of floors, walls, ceilings and fixed furniture.	
<b>Prerequisite (s)</b>	ARC304	
<b>Textbook</b>	Rosemary Kilmer, W. Otie Kilmer, 2016: <i>Construction Drawings and Details for Interiors 3rd Edition</i> . Wiley.	
<b>Lab./Computer work/Project</b>	--	

ARC402	Interior Design (3): (Office Buildings - Business and Corporate)	4 CH (1,6,0)
<b>Course Contents</b>	This course emphasizes three-dimensional spatial development in large multiple scale and complex functional institutional projects. Examples of projects may be office buildings, Business Parks and others.	
<b>Prerequisite (s)</b>	ARC401	
<b>Textbook</b>	Diane Stegmeier, 2008: <i>Innovations in Office Design: The Critical Influence Approach to Effective Work Environments</i> . Most Recent Edition Edition. Wiley	
<b>Lab./Computer work/Project</b>	--	

ARC405	Interior Design Styles and Trends 2	3 CH (2,2,0)
<b>Course Contents</b>	The course aims at studying the theories of different interior design Oriental schools, styles and trends, and how they influence contemporary interiors. Students address different characteristics of these schools; discuss their philosophies and influences through group discussions in the classroom.	
<b>Prerequisite (s)</b>	ARC404	
<b>Textbook</b>	Same text Book for INT 431 + Instructor's Lecture Notes and Handouts.	
<b>Lab./Computer work/Project</b>	--	

ARC409	Furniture Design (2)	3 CH (2,2,0)
<b>Course Contents</b>	The course engages the student in the details of furniture making. Students learn how to develop the material list, draw all required drawings, and apply all phases of the manufacturing and finishing process.	
<b>Prerequisite (s)</b>	ARC404 + ARC408	
<b>Textbook</b>	Stuart Lawson, 2013: Furniture Design: <i>An Introduction to Development, Materials and Manufacturing</i> . Laurence King Publishing	
<b>Lab./Computer work/Project</b>	--	

ARC407	Interior Specifications, BOQs, and Contracts	3 CH (2,2,0)
<b>Course Contents</b>	After finishing this course, the student should be able to produce complete working and execution drawings and documents for an interior design project. In addition to the full package of drawings, students are able to submit a full list of specifications for all material used in their interior design project, in addition to the Bills of quantities for all material used. Also students get acquainted with the contract elements, knowing their rights and duties towards their clients.	
<b>Prerequisite (s)</b>	ARC406	
<b>Textbook</b>	Instructor's lecture notes and Handouts.	
<b>Lab./Computer work/Project</b>	--	

ARC483	Project Management and Feasibility Studies	2 CH (1,2,0)
<b>Course Contents</b>	The course emphasizes the importance of Project management, Planning and time scheduling of different jobs, Evaluation of programs and methods, Cost-time analysis. The course also emphasizes the importance of feasibility studies in taking decisions, the project economics, initial costs and running costs, as well as project turnovers and marketing studies. Case studies will address interior design projects.	
<b>Prerequisite (s)</b>	As Advised	
<b>Textbook</b>	American Business Academy ABA (Author), Ayman Alminawi (Editor), 2019: <i>Feasibility Study &amp; Project Management: A Practical Guide</i> . ABA, American Business Academy.	
<b>Lab./Computer work/Project</b>	--	

ARC484	Buildings' Laws & Regulations	2 CH (1,2,0)
<b>Course Contents</b>	The course explains the Buildings' codes, laws and regulations of the Construction industry in Egypt. It is a study of the codes and legislations in terms of bylaws, regulations and scope of services. Types of contracts, fees and bidding are the main issues of this course. Case studies of real sites are examined, discussed and analyzed.	
<b>Prerequisite (s)</b>	As Advised	
<b>Textbook</b>	*Building Law No.119 Est. 2008 قانون البناء الموحد لسنة 2008 ولائحته التنفيذية * Egyptian Code for design principals and construction conditions for buildings fire protection (Part 1) الكود المصري لأسس التصميم واشتراطات التنفيذ لحماية المنشآت من الحريق (الجزء الأول)	
<b>Lab./Computer work/Project</b>	--	

ARC491	Interior Design Graduation Project Studies	2 CH (1,2,0)
<b>Course Contents</b>	The course aims at preparing the preliminary studies to the final design studio (the Interior Design Graduation Project) that should deal with and present a solution for a real-life problem, it includes the basic criteria of design, the formulation and development of the program, client's needs and collecting necessary data and analytical studies of the program. This is an integrated study that combines the collective outputs of previous architectural and	

	technical studies and knowledge acquired through the years of study that finally leads to the required Interior Design Graduation program.
<b>Prerequisite (s)</b>	ARC401 + ARC403
<b>Textbook</b>	Pena, W., Parshall, S. and Kelly, K., <i>Problem Seeking; An Architectural Programming Primer</i> , AIA Press, Washington, USA. Instructor's Lecture Notes and Handouts
<b>Lab./Computer work/Project</b>	--

ARC492	Interior Design Graduation Project	5 CH (1,7,0)
<b>Course Contents</b>	The Interior Design Graduation Project is the ultimate demonstration for acquired knowledge, intellectual and professional skills. Students demonstrate design through a research-based approach, which is responsive to user, cultural, social, and financial context.	
<b>Prerequisite (s)</b>	ARC402 & ARC405 & ARC491	
<b>Textbook</b>	a) Neufert, <i>Architects' Data</i> . b) <i>Time Saver Standards</i> , Handbook. c) Architectural Magazines and Projects. d) Internet Resources that highlight design concepts of similar projects.	
<b>Lab./Computer work/Project</b>	--	

## Courses from Structural Engineering

SCM216	Theory of Structures	2 CH (1,2,0)
<b>Course Contents</b>	Equilibrium, stability & compatibility, External & internal equilibrium of statically determinate plane structures: beams, frames & trusses, Normal, shear, tensional stresses & combined stresses, Elastic deformations, Introduction to the analysis of statically indeterminate structures through consistent deformations & moment distribution, Buckling of columns, Introduction to space structures.	
<b>Prerequisite (s)</b>	EMP130	
<b>Textbook</b>	R.C.Hibbeler: <i>Structural Analysis</i>	

<b>Lab./Computer work/Project</b>	--
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SCM218	Properties & Strength of Materials	2 CH (1,2,0)
<b>Course Contents</b>	Various building materials, their properties, testing and uses, Materials used in engineering products, Standards, Codes and inspections, The development of innovative uses of building materials, Concrete: components, manufacturing, quality control, Partitioning materials: gypsum, lime, timber and bricks, The effects of water on building materials.	
<b>Prerequisite (s)</b>	None	
<b>Textbook</b>	<i>-Egyptian Code of Practice.</i> <i>- A.M.Neville and J.J.Brooks: Concrete Technology,</i> <i>- P.K. Mehta and Pauli J.M. Monteiro: Concrete Microstructure, Properties and Materials.</i>	
<b>Lab./Computer work/Project</b>	--	

SCM224	Surveying	2 CH (1,2,0)
<b>Course Contents</b>	Basic elements of surveying and their architectural applications, Plotting scales, verniers, linear and simple angular measurement devices, Chain surveying, Leveling & theodolites, Map drawing, Photogrammetry and its architectural applications.	
<b>Prerequisite (s)</b>	None	
<b>Textbook</b>	-Students Lecture Notes -Handouts	
<b>Lab./Computer work/Project</b>	--	

SCM318	Reinforced Concrete & Foundations for Architects	3 CH (2,2,0)
<b>Course Contents</b>	Design principles of concrete, Fundamentals of reinforced concrete structures, Analysis and design of sections subjected to bending, Loads and load distribution, Reinforcement details of beams, Solid slabs, Columns, Stairs, Statically determinate frames, Ribbed and hollow block slabs, Paneled Beam slabs, Flat slabs. Soil Characteristics and Mechanics, Stress in Soil and Soil Compressibility, Theory of Consolidation and Settlement, Shear Strength of Soil, Compaction of Soil, Lateral Earth Pressure and	



	Retaining Walls, Site Investigation and Selection of Foundation, Bearing Capacity of Soil, Types of Foundation and Design Principles of Foundations.
<b>Prerequisite (s)</b>	SCM216
<b>Textbook</b>	-The Egyptian Code of Practice of Design and Constructions of Concrete Structures (EC-203). -Das, B.M.; Principles of Foundation Engineering, CA 93950
<b>Lab./Computer work/Project</b>	--

### 3C.6. Architectural Interior Design Elective Courses' Contents:

The department offers 4 "Pools" of Electives under which there are 5 "groups" of different interests to satisfy all students' needs. The electives are categorized as follows:

- Group 1: Computer Oriented
- Group 2: Design Oriented
- Group 3: Extra Curricular Skills Building
- Group 4: Healthy & Eco-Friendly Interiors (Going Green)
- Group 5: New Technologies in Interior Design

According to their interests, students are to register in "Four" electives from any elective courses the department offers for registration.

**Other Elective Courses may be suggested and offered for registration based on:**

- A submitted request from the Department's Council to the Dean
- The recommendation of the Faculty Council
- The approval of the University Council

#### Electives POOL no. 1:

ARCE11	Modeling & Rendering by Computers	2 CH (1,2,0)
<b>Course Contents</b>	Students in this course demonstrate proficiency in many computer software programs. Students learn drafting, drawing editing and 3-D image creation using various procedures. Upon course completion, candidates should be able to select the appropriate software application for the task at hand and create models from start to finish, using all of the available software programs.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Vaughan, W., 2012, <i>Digital Modeling</i> , New Riders - OR	

	Alexander C. Schreyer, 2015 <i>Architectural Design with SketchUp: 3D Modeling, Extensions, BIM, Rendering, Making, and Scripting</i> . 2nd Edition. Wiley.
<b>Lab./Computer work/Project</b>	--

ARCE16	Presentation Techniques	2 CH (1,2,0)
<b>Course Contents</b>	The course develops and fine tunes the graphic presentation skills needed to succeed as an interior design professional. It covers all of the key phases of the interior design process, working through the presentation methods appropriate for every step along the way, from drawing orthographic projections to presenting materials and finishes. It will help students to master the media, materials, tools, and techniques essential for creating professional-quality design graphics, models, and presentations.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Mitton, Maureen, 1999: <i>Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation Techniques</i> . Wiley	
<b>Lab./Computer work/Project</b>	--	

ARCE13	Photography & Movie Making	2 CH (1,2,0)
<b>Course Contents</b>	The focus of this course will be to explore the medium of photography and film for the practice of understanding and communicating Interior Design. The course will offer students the opportunity to develop their own visual skills utilizing the digital camera. Students will learn how to: formulate story ideas, shoot and edit footage, lay down soundtracks, and add special effects. Practical projects and exercises are presented to give students an opportunity for hands-on experience.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Cammarano, A, 2017: <i>Architectural Photography: Digitally Produced, Digitally Displayed</i> .	
<b>Lab./Computer work/Project</b>	--	

ARCE17	Sustainability & Green Interiors	2 CH (1,2,0)
<b>Course Contents</b>	The course discusses every aspect of interior design—furniture and accessories, window treatments, fabrics, surface materials, appliances, plants, and more—from a green perspective in terms of reducing waste and pollution and turning a home	

	into a healthy, comfortable and sustainable environment. Students will learn how to use sustainable materials to enhance interiors - keep rooms clean with effective and nontoxic products - use energy efficient lighting and maximize natural light.
<b>Prerequisite (s)</b>	As advised
<b>Textbook</b>	Susan M. Winchip : 2011: <i>Sustainable Design for Interior Environments</i> . Second Edition. Fairchild Books.
<b>Lab./Computer work/Project</b>	--

ARCE18	Creative Lighting & Acoustics in Interior Design	2 CH (1,2,0)
<b>Course Contents</b>	This course bridges the gap between abstract theory and practical knowledge through careful investigation of different case studies to examine the properties of light and sound, how light reveals form, and the wide variety of acoustic effects in different rooms and halls.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Livingston, Jason, 2014: <i>Designing With Light: The Art, Science and Practice of Architectural Lighting Design</i> . Wiley. Ana M Jaramillo, Chris Steel, 2015: <i>Architectural Acoustics (Pocket Architecture) 1st Edition</i> . Routledge.	
<b>Lab./Computer work/Project</b>	--	

### Electives POOL no. 2:

ARCE21	Building Energy Simulation Tools	2 CH (1,2,0)
<b>Course Contents</b>	This course places a unique emphasis on the Building Energy Simulation tools and their effect on the building performance. The students will learn the practical skills required to design a high-performance building and confidently consult on all aspects of its technical specifications. Students are introduced to the concept of sustainable building design and explore how the environment, orientation, form, and equipment of a building affect its internal performance through the use of different building energy simulation software. This learning will be reinforced by a small-scale applied design project.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Manuals of Energy Simulation tools: Design Builder, Energy Pro, Ecotect, eQUEST, Vasari	

<b>Lab./Computer work/Project</b>	--
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ARCE22	Biophilic Design	2 CH (1,2,0)
<b>Course Contents</b>	This course introduces the notion of “Biophilia” or “Love of Nature” to the interior spaces. Different Biophilic Design Patterns are investigated and discussed through various case studies. Case studies may include special building types like Hospitals and Domestic buildings. The course is intended to help Interior Design students understand the impact of biophilic design on human health and productivity, as well as to demonstrate how Biophilic Design patterns can be incorporated into the built Interiors.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Kellert, S, 2018, <i>Nature by Design: The Practice of Biophilic Design</i> , Yale University Press Terrapin Bright Green, 2014: <i>14 Patterns of Biophilic Design, Improving Health &amp; Well being in the Built Environment</i> . Terrapin Green.	
<b>Lab./Computer work/Project</b>	--	

ARCE23	Model Making & Digital Fabrication	2 CH (1,2,0)
<b>Course Contents</b>	This course is a hands-on exploration and apprenticeship in the art and process of model making and digital fabrication. The course will assist students in nurturing the ability to efficiently translate ideas and concepts into physically and digitally produced objects and accessories to be used in interior spaces. Students will also be given the opportunity to develop the skills necessary to maintain, calibrate and troubleshoot equipment in a fabrication lab as well as learn what it takes to keep a lab in operation.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Philip F. Yuan, Neil Leach, Achim Menges, 2018: <i>Digital Fabrication</i> . Tongji University Press Co., Ltd. Colin Winslow, 2008: <i>The Handbook of Model-making for Set Designers</i> . Crowood Press	
<b>Lab./Computer work/Project</b>	--	

ARCE26	Interior Plantation	2 CH (1,2,0)
<b>Course Contents</b>	Plants and flowers are visible signs of nature; they bring their expression of life and growth to interior spaces. This course sheds light on the value and methods of incorporating greenery and plantations in interior spaces, also what kinds of indoor plants nourish best in interior spaces.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Baylor Chapman, 2019: <i>Decorating with Plants: What to Choose, Ways to Style, and How to Make Them Thrive</i> . Artisan.	
<b>Lab./Computer work/Project</b>	--	

ARCE27	Smart, Interactive Interiors & Installations	2 CH (1,2,0)
<b>Course Contents</b>	The course emphasizes the skills required to create interesting, but smaller-sized interactive, living interiors that suggest lifestyles which seek to maintain basic standards of quality and comfort. Among the imaginative solutions are walls that contain and conceal household equipment, or furnishings that can be moved and adjusted to create different functional areas. The course is also a processes-oriented guide to investigating multiple smart installations to make interiors smarter and more intelligent.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Roberto Simanowski, 2011: <i>Digital Art and Meaning: Reading Kinetic Poetry, Text Machines, Mapping Art, and Interactive Installations (Electronic Mediations Book 35)</i> . University of Minnesota Press.	
<b>Lab./Computer work/Project</b>	--	

### Electives POOL no. 3:

ARCE31	Parametric Design Applications	2 CH (1,2,0)
<b>Course Contents</b>	This course explores the techniques and tools used in parametric modeling as a foundation for design generation. The course introduces several parametric design modeling platforms and scripting environments that enable rapid generation of 3D models and enable rapid evaluation of parametrically driven design alternatives. The course will tackle the Design exploration using parametric modeling platforms such as Revit and Rhino. The students will be introduced to Visual scripting languages and environments such as Grasshopper, Dynamo, and Design Script.	

<b>Prerequisite (s)</b>	As advised
<b>Textbook</b>	Robert Woodbury, 2010: <i>Elements of Parametric Design 1st Edition</i> . Routledge.
<b>Lab./Computer work/Project</b>	--

ARCE36	Optical Illusion	2 CH (1,2,0)
<b>Course Contents</b>	The course deals with different theories of Optical Illusion and visual treatment of different case studies from different times, why they were made and how. Also, different optical illusion effects are addressed in the course, in paintings, and in the real life in different interiors depending on 2 Dimensional and 3 Dimensional illusions.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Al Seckel, 2009: <i>Optical Illusions: The Science of Visual Perception (Illusion Works)</i> . Firefly Books.	
<b>Lab./Computer work/Project</b>	--	

ARCE33	Entrepreneurial Skills & Product Branding	2 CH (1,2,0)
<b>Course Contents</b>	This course provides the student with the skills necessary to succeed as an entrepreneur. The fundamentals of starting a brand, developing and operating a business plan, obtaining financing and marketing a product or service are also addressed. Students will also learn how to analyze market needs and trends. The course also provides an introductory outline of the risk management process and provides proven methods for project risk planning.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	A.J.Parr, 2019: <i>The Ten Golden Rules of Entrepreneurial Success and Financial Wealth: Entrepreneur Mindset Series</i> .	
<b>Lab./Computer work/Project</b>	--	

ARCE37	Feng-Shui in Architecture & Interior Design	2 CH (1,2,0)
<b>Course Contents</b>	This course will put Feng-Shui to practical personal use; how to choose a home, build a house, select an office, or find a retail space. The course proceeds in systematic fashion from basic principles to specific projects,	

	covering several issues like: Planning the usage of space, Matching occupants to a house, Deciding on the placement of furniture, Improving the feng-shui of a building with countermeasures, enhancers, and renovations, Building a new house, Choosing or designing an apartment, business suite, or retail space.
<b>Prerequisite (s)</b>	As advised
<b>Textbook</b>	Wong, Eva: 2001, <i>A Master Course in Feng-Shui: An In-Depth Program for Learning to Choose, Design, and Enhance the Spaces Where We Live and Work</i> . Shambhala Publishers
<b>Lab./Computer work/Project</b>	--

ARCE38	Furniture Makeover and Re-use of Interiors	2 CH (1,2,0)
<b>Course Contents</b>	<p>The course teaches how to transform tired furniture into stunning showpieces. The course offers techniques that can be applied to all different types of pieces, from bookshelves to desks: painting, applying gold leaf, wallpapering, dip dyeing, and more. In addition, several “before and after” case studies are investigated and discussed. The course explains all the tools and materials needed. It also explores the potential to change the character of interiors in order to adapt with new functions and requirements. It investigates the nature and extent of conversion or retrofitting in a number of case studies. The course gives an overview of all aspects of performance characteristics and the conversion adaptation or retrofitting of existing interiors. It enables students to make more informed decisions about whether conversion adaptation is a good choice—and if so, which types of measures are best suited for the project.</p>	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Barb Blair, 2013: <i>Furniture Makeovers: Simple Techniques for Transforming Furniture with Paint, Stains, Paper, Stencils, and More</i> . Chronicle Books. -OR- Jen Crider, 2019: <i>Amazing Furniture Makeovers: Easy DIY Projects to Transform Thrifted Finds into Beautiful Custom Pieces</i> . Page Street Publishing.	
<b>Lab./Computer work/Project</b>	--	

#### Electives POOL no. 4:

ARCE41	Mixed Reality Applications	2 CH (1,2,0)
<b>Course Contents</b>	<p>This course places an emphasis on the design principles of virtual reality (VR) and augmented reality (AR). In this course the students will be introduced to the skills required to create VR/AR simulations, visualizations</p>	



	and apps related to architecture and Interior Design. The students will be introduced to the creation of digital content and the practical application of VR/AR technologies and how this may affect their design decision making. They will learn how to develop their own Interior Design concepts using this technology – creating 2D and 3D digital artwork.
<b>Prerequisite (s)</b>	As advised
<b>Textbook</b>	Erin Pangilinan), Steve Lukas, Vasanth Mohan, 2019: <i>Creating Augmented and Virtual Realities: Theory and Practice for Next-Generation Spatial Computing 1st Edition</i> . O'Reilly Media; 1 edition.
<b>Lab./Computer work/Project</b>	--

ARCE42	Special Topics in Design	2 CH (1,2,0)
<b>Course Contents</b>	The course may address issues like: Hybrid Space Design/ Television and Theater Set Design/ Interior Design for the Elderly and the Disabled/ Space Syntax Theory and Applications, and other similar "Design" issues.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Handouts and Lecture notes provided by Instructor and related to the chosen subjects.	
<b>Lab./Computer work/Project</b>	--	

ARCE43	Portfolio Making and Negotiation Skills	2 CH (1,2,0)
<b>Course Contents</b>	The course prepares students to professionally face their future careers with confidence and style. The portfolio preparation course develops visual, practical and technical skills to give students the framework to build a varied portfolio that showcases their strengths, creativity and interests. The course also enriches students' negotiation skills through different methods; Preparing for Negotiations, Building Relationships, Eliciting Information Effectively, Holding Your Ground, Maintaining Flexibility, Closing the Deal, Increasing Confidence.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Linton, H. and Pelli, C., 2012 , <i>Portfolio Design (Fourth Edition)</i> , W. W. Norton & Company Instructor's Lecture Notes and Handouts.	
<b>Lab./Computer work/Project</b>	--	



ARCE46	Special Topics in Healthy Interiors	2 CH (1,2,0)
<b>Course Contents</b>	The course addresses selected topics and studies that meet students' interest and reflects recent trends in various problem areas of Healthy, Eco-Friendly interiors. Students are given reading assignments to be discussed in frequent consultations and group discussions.	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Annette Stelmack, Associates III, Kari Foster, Debbie Hindman, 2014: <i>Sustainable Residential Interiors 2nd Edition</i> . Wiley.	
<b>Lab./Computer work/Project</b>	--	

ARCE47	Special Topics in Interior Design Technologies	2 CH (1,2,0)
<b>Course Contents</b>	<p>The course addresses selected topics and studies that meet students' interest and reflects recent trends in various problem areas related to Interior Design Technologies. Students are given reading assignments to be discussed in frequent consultations and group discussions.</p> <p>Among the vital subjects explored are the technologies designed for the Elderly and the Disabled considering anthropometrics, spatial relationships, body mechanics, product design, new materials for interiors, security, safety and privacy considerations; furniture design, silent alarms and useful mechanical systems.</p>	
<b>Prerequisite (s)</b>	As advised	
<b>Textbook</b>	Lecture Notes and Instructor's Handouts related to chosen topics.	
<b>Lab./Computer work/Project</b>	--	

**Other Elective Courses may be suggested and offered for registration based on:**

- A request from the Department's Council to the Dean
- The recommendation of the Faculty Council
- The approval of the University Council