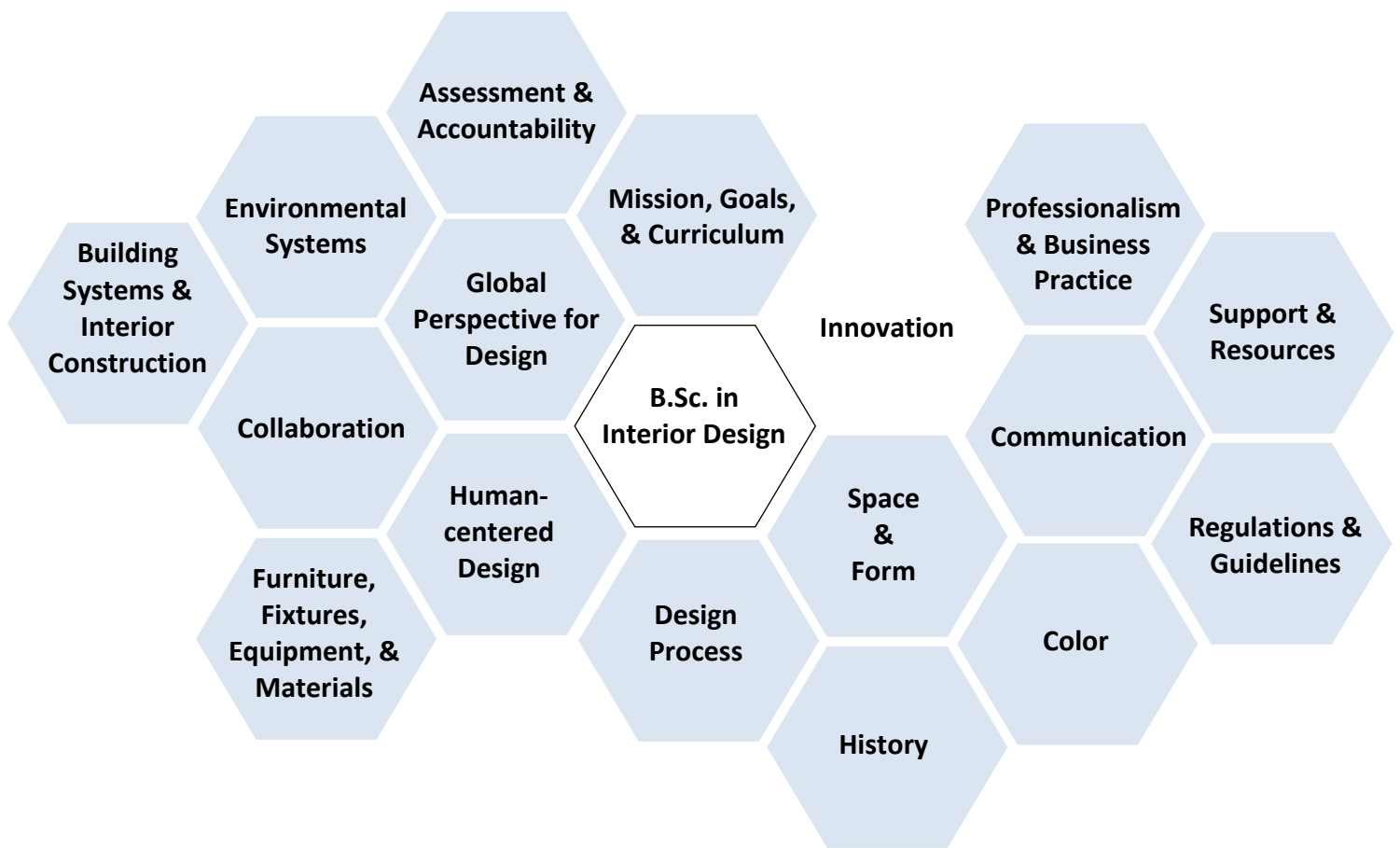




جامعة
المملكة
KINGDOM
UNIVERSITY

College of Architecture Engineering & Design
Department of Interior Design



Courses' Descriptions

Programme: Interior Design

Final Award: Bachelor of Science in Interior Design

Programme started in September 2015-2016



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab

First Semester

ARC111	Basic Design Studio I		4	2	4	0
<p>The course presents a framework of knowledge on basic elements of design and visual thinking. Through studio and field based exercises, students will apply principles of composition such as balance, rhythm, contrast, emphasis and hierarchy by form 2D planar and 3D spatial compositions using different types of elements and material.</p>						
ARC141	Engineering Drawings	ARCH011/Pass Entrance Exams	3	1	4	0
<p>This course provides students with fundamental knowledge and skills of Engineering and technical drawings such as different types of projections, drawing pattern, dimensions, scales, notation. The students shall learn how to use manual drafting techniques to produce orthographic drawings, auxiliary views and section drawings of geometric solid and voided forms starting from simple forms to complex forms to lead them producing architectural drawings in different view such as plans, elevations, sections and isometric, in addition to one and two vanishing point perspective.</p>						
ARC142	Freehand Sketching and Model Making	-	2	1	2	0
<p>The course presents an introduction to the fundamentals of freehand drawing and sketching through observation in three different steps; gesture drawing (sketching the basic forms without detail), contour line drawing (adding details of edges), and rendering drawing (adding shade shadow to present the depth and realism). It explains the use of freehand sketches as a mean to communicate visual concepts by expressing themselves using pencils, markers, and color pencils on paper or any other suitable media. Students shall enhance their skills of quick sketches, shades and shadows and different rendering techniques including water-colors. Finally it ends with guidelines of form generation and principles of abstracted physical Model Making for Architecture compositions using different materials such as carton paper, wood, plastic, acrylic and foams.</p>						
ARC161	Engineering Math and Physics	MATH090/Pass Entrance Exams	3	3	0	0
<p>The course Emphasizes on understanding algebraic, numerical and graphical approaches making use of graphing calculators. The course, aims to develop in students the ability to understand matrix and its operation and the methods of using matrix to solve other mathematical problems. They will deal with system of linear equations for two and three variables. This course illustrates the concepts of Geometrical Shapes, trigonometric functions and its application in the field of engineering disciplines. Moreover, the course presents Study of physics that will enable to understand the basics of illumination, vision, acoustic, heat transfer, ventilation, wind pressure and moisture in a building.</p>						
ENGL103	English for Academic Purposes I	ENGL010	3	3	0	0
<p>This English course aims to develop the student's listening, speaking, reading and writing skill for study at university. During this course, the students will listen to a variety of texts in order to develop various skills and strategies. Furthermore, students will read a variety of texts to develop their reading skills and enhance their writing abilities over a wide range of academic genres. The module consists of a series of sequentially structured tasks which cover all the above four language skills.</p>						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab

IT102	Introduction to Computer Applications	-	2	1	0	2
<p>The course divided to theory and practical parts.</p> <p>Theoretical Part:</p> <p>It presents an introduction to computer and information technology, and the basic computer concepts. This subject introduces survey of computers and information processing and their roles in society. It also introduces a historical perspective of computing, hardware, software, information systems, and human resources and explores their integration and application in business and other segments of society. It explains the binary number systems used in the computer systems, different types of computers, different types of hard ware, different types of software, different types of computer networks, how internet works and how to use web.</p> <p>Practical Part:</p> <p>Training students to use Microsoft Word, Excel and PowerPoint Applications in intermediate level.</p>						

Second Semester

ARC112	Basic Design Studio II	ARC111	4	2	4	0
<p>The course is designed to develop students' knowledge about design as a problem solving process. Students will explore design phases: analysis, synthesis, and evaluation of the design alternatives. Through studio and field based exercises, students will experience the fundamental parameters/constraints of Architectural and Interior Design: Program, form, space, structure, context, subject and aesthetics.</p>						
ARC131	Introduction to Building Systems and Codes	-	3	1	0	4
<p>The course provides basic principles and general understanding of different structural, conveyance and service systems and components in a building. Develop a conceptual framework for various options available. Help to conceive building systems not as a constraint, but as a scope for innovation. Provide a foundation for the ongoing exploration in upper level courses and in the design studio. It also exposes the students to an awareness of the purpose and existence of building codes and their implications on design considerations.</p>						
ARC101	Design Research Methods	ENGL103	2	2	0	0
<p>The course introduce the Evidence-Based Design Approaches and provides an overview of diverse research methods, research process, and representation of data and findings to make design decisions based on the best research results and evidences. Research methods include literature review, survey strategies such as questionnaires, interviews, observations techniques, and experimental studies. All these with emphasis on physical, social, and psychological needs of the occupants, type and character of the space and cultural context.</p>						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab
ARC143	Drafting And Designing With Digital Media	IT102+ARC141	4	2	0	4
<p>This course introduces computers as tool in the drafting and designing effort enabling students to create, edit, export and print drawings and sketches in specific scale and units using computers Software. Students are introduced to AutoCAD, SketchUp Pro, ArchiCAD as effective tools used for accurate and fast drawing. All commands of such software are demonstrated to the students that will be enable them to produce both two-dimensional drawings and rendered three-dimensional digit models correctly and efficiently through a professional training on those software in the computer labs.</p>						
ENGL104	English for Academic Purposes II	ENGL103	3	3	0	0
<p>This English course aims to develop the student's Listening, speaking, reading and writing skill for study at university. During this course, the students will listen to a variety of texts in order to develop various skills and strategies. Furthermore, students will read a variety of texts to develop their reading skills and enhance their writing abilities over a wide range of academic genres. The course consists of a series of sequentially structured tasks which cover all the four language skills.</p>						
GS102	Creative Thinking	-	2	1	0	2
<p>The course introduces the definitions, theories, and techniques of creativity and development of thinking skills and capabilities. Diverse techniques of generating and developing ideas are addressed such as six thinking hats, seeking for simplicity, mind maps, problem solving techniques and brainstorming. The students will apply those techniques in group and individual projects.</p>						

Third Semester

INTD211	Interior Design Studio I	ARC112	4	1	6	0
<p>Residential The course introduces the design process of interior space including pre-design, schematic design, design development and construction drawings. Students are given a scenario and context. Analysis of users' needs and space programing are addressed with focus on human dimensions, scale, safety, elements distribution and circulation. 2-D and 3-D sketches, technical drawings and physical models will be developed to document and present the design project. Discussion, critiques and jury, field trip and investigation of similar environments will be conducted. Space planning for a residence including kitchen and bath design are included.</p>						
INTD221	Intro to History of Architecture, Art & Design	ENGL104	2	2	0	0
<p>The course introduces the students to the development of architecture, art and interior design within chronological framework from the ancient world through to the industrial revolution and deliberates the environmental, religious, social and technological factors that shaped the design character and production that contributed to the human life and revival. Visual studies and text based techniques are implemented throughout the course.</p>						



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				L	St	Lab

INTD231	Interiors Construction & Rehabilitation	ARCH131	3	2	2	0
The course introduces the components, elements and techniques to construct interior spaces within built environments. The course also reviews performance characteristics, technical concerns, application methods, related standards and codes that shall be considered in creating and rehabilitating of interior spaces within built environments and production of technical and construction drawings.						
INTD222	Color Theory & Practices	-	2	1	2	0
The course introduces the terminology, definitions, and theories of color and the visual, psychological and physical effect in the interior design. The role of color in creating qualities of architectural and interior space and indicating functions will be emphasized. Applications of color and its relation with texture and light are underlined and examples of successful use of color in different types of interior environments will be given.						
ARC241	Rendering Techniques and Animation I	ARC143	3	1	0	4
The course introduces students to the world of 3D modelling. It is stepping forwards toward computer animated dynamic presentations – a tool that is widely used in the architecture practice. The course covers the development of rendered still images as animated field / frame – accurate recording. 3D STUDIO MAX is the basic software package handled through the course. However, all universal concepts will also be covered in this course, including human vision, camera angels, perspective correction, and finally, scene composition.						
ENGL202	English Writing Communications	ENGL104	3	3	0	0
This English course aims to develop the student's Listening, speaking, reading and writing skill for study at university. During this course, the students will listen to a variety of texts in order to develop various skills and strategies. Furthermore, students will read a variety of texts to develop their reading skills and enhance their writing abilities over a wide range of academic genres. The course consists of a series of sequentially structured tasks which cover all the four language skills.						

Fourth Semester

INTD212	Interior Design Studio II	INTD211	5	1	8	0
Office						
The course continues the implementation of design process to response to giving design brief that introduces multi activities based scenario with emphasis on users' need, building constrains, space restructure, use of natural lighting and ventilation, color affects, and materials. A medium scale office is the design problem, which reuses and transforms space. Computer applications are integrated with other graphic media and physical models to document and present the design project. Discussion, critiques and jury, field trip and investigation of similar environments will be conducted.						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab
INTD271	Design for People and Society	ARC101	3	2	2	0
<p>The course introduces theories about the mutual relation between human and built environment and subjects as environmental perception and cognition, environmental appraisals, environmental psychology are investigated. The course emphasizes the social responsibility of interior designer into the enhancement of peoples' quality of life and the positive impact of design on society development and communities' needs with focus upon universal design, productivity, attitudes and culture issues.</p>						
INTD223	Modern History & Theory of Interior Design	INTD221	3	3	0	0
<p>The course introduces the students to the development of the emerged architecture and design schools and styles in 19th century and 20th century that influenced and formed the modern design theory of interior environments. Technological, social and life style aspects are stressed and required case studies, presentation and text techniques are implanted.</p>						
ARC251	Passive & Active Climatic Design	ARC131	3	3	0	0
<p>The course provides information and instruments useful in developing an energy-conscious approach to design. Moreover, studies on climatic elements as environmental factors influencing architectural design. It will address the following issues: human physiology and thermal comfort, natural ventilation and orientation of buildings, global climatic factors, elements and classification of climate, thermal balance of the body, comfort scales, heat exchange of buildings, solar geometry, passive climatic control based on building form, orientation, building envelope, openings, building design, material selection, ventilation, and Active climatic control.</p>						
GS132	History of Bahrain	-	3	3	0	0
<p>Refer to College of Law / KU website</p>						

Fifth Semester

INTD311	Interior Design Studio III	INTD212	5	1	8	0
<p>Hospitality The course investigates advanced space programming and problem solving tasks in hospitality environments. Real life scenario of moderate complexity design project is introduced with focus on users' accessibility, economic, social and cultural context. Design considerations are explored and examined such as codes and regulations, accessibility, space recognition, and way finding that in addition to the potential applications of interior constructions, materials, and colors. Advanced computer applications are integrated with other graphic media and physical models to document and present the design project. Discussion, critiques and juries, field trips and investigations of similar environments will be conducted.</p>						
INTD331	Interior Finishing & Materials	INTD231	3	2	0	2
<p>The course introduces the finishing techniques and material of floors, walls, ceilings, stairs, doors, windows and other structural elements of interior spaces. The course explores also the textile, fabrics, and surfaces' treatment of components and furniture. The course emphasizes the application of interior finishes and materials in the context of their relations with aesthetic values and visual expressions, health and safety factors, and environmental impacts and codes.</p>						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab
ARC341	Building Information Modeling	ARC241	3	1	0	4
The course introduces principles of Building Information Modeling (BIM) through the use of Revit Architecture and explores the menus and tools of Revit Architecture including user interface, straight and flexing parameters, readymade and user generated custom families, massing, rendering with custom materials, Architectural working drawing detailing and documentations, and printing out the drawing and models.						
GS111	Arabic Language Skills	-	3	3	0	0
Refer to College of Law / KU website						
INTD39X	Elective I (3rd Year)	-	3	2	2	0
An Elective Course shall be selected from the List of Third Year Elective Courses						

Sixth Semester

INTD312	Interior Design Studio IV	INTD311	6	1	10	0
Commercial The students are engaged in a team project in the setting of design brief and design criteria of a real life large scale commercial design project with focus on defining economic, cultural context and environmental challenges in accordance with project site and built environment constrains. The course emphasizes the holistic design approach and the application of advanced technologies in construction, materials, and facilities, in addition to full furnishing details including selection and design. Final project report will be developed that combined text based design description and technical drawing using computer applications other graphic media to document the project. Visual presentation and physical models are used to present the design project. Discussion, critiques and juries, field trips and investigations of similar environments will be conducted.						
INTD313	Furniture Design Studio	INTD331	4	1	6	0
The course provides the basic principles of furniture design and relevant factors such as ergonomics, posters of human body, functionality, materials, module systems and production technologies. The course investigates the relations among form, function, aesthetics and culture aspects are examined and considered in the development of furniture design project. Prototype or scale model will be produced and visual presentation will be developed and supported by technical drawing and design documentations.						
ARC322	Bahraini and Regional Architecture & Art	GS132	2	2	0	0
The course raises the awareness of heritage architecture and art in Bahrain and the region, colonial architecture, urban development including modern and globalization architecture. There will be an emphasis on study field trips.						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab
ARC332	Technical Installation	AEC131	2	2	0	0
This course covers the basics of all the building services through the scope of external supply and internal network in the building. It deals with hot and cold water and the sanitary systems. It also deals with electric supply and wiring, together with the internal communication network. It also covers the mechanical services of elevators, escalators and firefighting equipment.						
INTD39X	Elective II (3rd Year)	-	3	2	2	0
An Elective Course shall be selected from the List of Third Year Elective Courses						

INTD381	Training (Internship) (in Summer semester)	60% of Total Credits	6	(200 Working Hours)		
This internship provides 200 hours work based experience (normally spread over 8 week) in a workplace runs interior design projects and services and that in accordance with the student's area of interest and prospected career plan. The internship requires the work undertaken to be based on training plan and under supervision of academic supervisor and field supervisor with emphases on knowledge reflections and development of practical skills. Formal reports and presentation will be submitted during and at the end of the training period.						

Seventh Semester

INTD411	Interior Design Studio V	INTD312	6	1	10	0
Public The course investigates the complexity of design through large scale interior design project of public built environment with focus on evaluation of design alternatives and strategic design decisions that considers the business model, real life context and project owner's mission and vision. The course integrates all around design aspects, functionality, aesthetic values, appropriate technologies and materials, stands and codes, social and wellbeing impact, and environmental sustainability. Budget preparation, time scheduling, suppliers' survey and contracting are applied within the project management framework. Final project report will be developed and visual presentation and physical models are used to present the design project. Discussion, critiques and jury, field trip and investigation of similar environments will be conducted.						
INTD481	Design Business & Management	INTD381	3	2	0	0
The course introduces the basic understanding of economic parameters and managing design projects throughout the design phases and the execution phases of projects. The course investigates the elements of Business strategy and business planning, including analyses and estimating project cost and budget and preparation of various types of specifications. Manpower management, time management and scheduling are emphasized alongside with risk management including risk analysis and recovery plans.						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab
INTD451	Green Design of Interiors & Products	ARC251	3	2	2	0
<p>The course provides important insight into the shift with design approaches and strategies that now focus on creating healthy and sustainable interior environments and products. Current sustainable technologies, materials and design innovation are covered and stress will be giving on issues such as reuse, recycle, disposal, pollution, energy and water efficiency and related codes in interior design project where designer and users shall share the responsibilities to saving our planet.</p>						
ARC452	Lighting & Acoustics	ARC332	2	2	0	0
<p>This course introduces students to the basics and physics of light and sound waves. It explains the behavior of these waves inside the building. Moreover, it discusses how to get the maximum benefit of both daylight and artificial light through the building design. Acoustic design considerations in theatres and similar buildings will be covered through studying proper finishing material that either reflect, absorb or deflect the sound waves.</p>						
INTD49X	Elective III (4th Year)	-	3	2	2	0
<p>An Elective Course shall be selected from the List of Fourth Year Elective Courses</p>						

Eighth Semester

INTD412	Interior Design Graduation Project	INTD411	6	1	10	0
<p>The graduation project requires the student, under the supervision of a faculty member, to integrate and present all knowledge, thinking, practical and technical skills, attributes and competences gained throughout the study of the program in a comprehensive and self-directed interior design project in accordance with his/her emerging interest and prospected career plan. Emphasis is giving on the full awareness of professional practice, creativity and originality of the design proposals, satisfying all design criteria & consolidations and adherent to relevant standards and codes. Interior environments will be fully developed. Final comprehensive project report will be developed and visual presentation and physical models are used to present the design project. Research, seminar, critiques and juries, field trips and investigations of similar environments will be conducted.</p>						
INTD482	Professional Practice & Entrepreneurship	INTD481	3	3	0	0
<p>The course introduces the characteristics, standards and expectation that outline the interior design professional practice. The course covers the legal, ethical, social, and business responsibilities and relationships with clients, colleagues and other project parties that are essential for being successful professional interior designer. In addition, professional career development, establishing an interior design practice, marketing and business development are stressed that includes the market challenges and creative business initiatives in the local and global competitive interior design practice.</p>						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab
INTD421	Interior Architecture Now	ARC322	2	2	0	0
The course addresses the existing, occurring and what is popular right now in the profession of interior architecture. The course investigates the most recent interesting interior design project, well known interior design/architecture firms, celebrated designers, and experimental work. Range of design concepts and approaches are discussed that indicates the relationship between design and contemporary economic, social and culture context.						
LAW106	Human Rights	-	2	2	0	0
Refer to College of Law / KU website						
INTD49X	Elective IV (4th Year)	-	3	2	2	0
An Elective Course shall be selected from the List of Fourth Year Elective Courses						

List of the Third Year Elective Courses

INTD391	Interior Photography	INTD222	3	2	2	0
The course introduces general principles of achieving aesthetic photography of interior spaces, furniture and room details. The course covers equipment and camera settings, lighting techniques, and editing solutions, shooting outdoor areas in varying lighting conditions; from harsh afternoon light towards the golden hour and dusk, using natural light in shooting, retouch the architectural and interior images; using various software tools. The students learns to select perfect scenes within the interior spaces in order to present the most interesting photographs for the purpose of documenting the work of interior designers. To practice the challenge of photographing interior spaces, the course engages the students in real-life situation of taking photographs of different environments. The course aims also to develop the skills of creating and selecting photographs to be posted in interior spaces in order to add value and identity to the overall environment.						
INTD392	Garden Design & Landscape	ARC251	3	2	2	0
The course introduces students to principles of landscape design including culture, ecological, spatial, environmental aspects to be considered in planning and designing the landscape areas. This course also focus on design of attractive and functional gardens as a very important part in built environment. Students prepare a project to study all element of the design process, including Site surveying, Client's brief, conceptual design, creating and developing the design, selecting hard and soft landscaping materials, developing the design documents, and presenting the created design of garden.						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab
INTD393	Virtual Interiors	ARC241	3	2	2	0
<p>The course introduces students to visualization and virtual reality methods of design interior spaces. The students explore the visual and human-computer interaction design process through using the computer applications to design an innovative virtual interior space design that could be used in gaming design, TV and Video, and Cinema production, educational activities. The course is delivered in virtual reality studio to which enable students to explore the extents of virtual and real space through a combination of research-based and practice tasks for creating and presenting innovative design ideas.</p>						
INTD394	Advanced visual Communication Techniques	ARC241	3	2	0	2
<p>The course introduces the students to advanced techniques for visual communications of designs through interactive training on using updated relevant applications such as Adobe™ professional package including Adobe™ premiere and Adobe™ illustrator, etc. The course enables students to developed high quality design documents, which is considered a helpful tool to both students and graduates to present their designs projects.</p>						
INTD395	Islamic Interiors	INTD223	3	2	2	0
<p>The course provides students with an overview on the Islamic Art including materials, Islamic architectural language, Islamic expressions in calligraphy, ceramics, metals, carpets. It introduces also the significant Islamic elements and features which influence on characteristic of Islamic interiors and formulate the Islamic style. The students will be able to design and analyse Islamic spaces based on the obtained background about the Islamic interiors.</p>						
INTD396	Space Reuse & Transformation	INTD271	3	2	2	0
<p>This course introduces the students to conservation strategies focusing on principles of reuse and transformation of both kinds of spaces (constructed and manufactured). The students are introduced in this course to the physical (structure, material, suitability of new function, etc.) and nonphysical (style, unity of the holistic project, heritage value, etc.) constrains and considerations of change the space function. The students apply the knowledge of reuse spaces to prepare redesign project an existing space to transfer the space into different use.</p>						



Course Code	Course Title	Pre requisite	CR.	Teaching Hours		
				L	St	Lab

List of the Fourth Year Elective Courses

INTD491	Theater and TV Set Design	INTD331	3	2	2	0
This course investigates advanced space programming and problem solving tasks for theatre and TV set design project. The students develop a two projects throughout the entire semester; Theatre stage and TV Studio. The students are introduced to various aspect of theatre design; the space activity, space scenario, visual language as a resource for designing, architectural venues, decorative parts, lighting resources, visual angles and directions.						
INTD492	Design Criticism & Journalism	ARC322	3	2	2	0
This course enhances students' analysis sense by investigating reading design journals and writing communication skills for deeper understanding of interior architectural design. This course is delivered in practical way in which the students practice the criticism of existing design projects as discussions, analyzation, conclusion, and presentation and writing. The course outcomes will lead to graduate a strong interior designer.						
INTD493	Healthcare Design	INTD312	3	2	2	0
The course introduces the design criteria and recommendations that shall be considered in the design of healthcare environments. The course examines the design approaches and process of this complex and sensitive environment and required methods of investigation and experimental studies. An interior design project of a healthcare environment will be conducted that deals with real life case and the design proposals will be presented to audience from the healthcare industry.						
INTD494	Urban Furnishing Design	INTD313	3	2	2	0
This course introduce an overview on urban space components including barriers, floor patterns, details, and street furniture. This introduction is followed by focus study of principles of designing the street furniture taking into consideration; human dimensions, functionality, durability, maintenance, and suitability. In this course the students survey a certain urban space and deign all details including furniture (setting, lighting, pathway pattern, wall texture, and barriers) as part of urban development project.						
INTD495	Design, Art & Science	INTD331	3	2	2	0
In this course the students are involved to combine various disciplines related to Design and Art to utilize the integrated multidiscipline in human's services. This course is research base learning methods, in which the students should search for recent issues related to design and find multidiscipline solution.						
INTD496	Special Topics in Interior Design	INTD312	3	2	2	0
Advanced discussion and lectures on a current specific topic in the profession of interior design.						