

# College of Arts and Science

## Bachelor in Interior Design

### Course Description 2022/2023

#### University Compulsory Courses

##### **ARB 101 Arabic Language**

This course deals with issues related to Arabic grammar and literature. It studies some basic linguistic issues in the vocabulary, morphology, syntax, and semantics of Arabic. It also studies stylistic and literary features through analyzing and discussing some selected texts from the Holy Quran and other literary masterpieces. (Prerequisite- None)

##### **ENG 101 English Language I**

This course is designed to help students to communicate effectively in English for academic purposes. It helps students to acquire some communication skills in reading, writing, and note-taking at pre-intermediate level using the appropriate grammar and vocabulary for this level. Finally, the course is intended to improve students' skills in English, so they get ready for a further English credit course (ENG102), and use English in their academic life. (Oxford test score > 40 or ENG099)

##### **ENG 102 English Language II**

This course is designed to help students to communicate effectively in English for academic purposes. It helps students to acquire some communication skills in reading and writing at intermediate level using the appropriate grammar and vocabulary for this level. Finally, the course is intended to improve students' skills in English, so they take credit courses taught in English and to use English in their academic life. (Prerequisite: ENG 101)

##### **CS 104 Computer Skills**

This course covers the following topics: basic information technology concepts, using the computer to manage files, word processing, spreadsheets, presentation and database. (Prerequisite- None)

##### **BA 161 Introduction to Entrepreneurship**

This course aims to study the concept of entrepreneurship, to explain its implications and significance, and to provide students with the knowledge and skills necessary to transform ideas into applied entrepreneurial projects in accordance with the rules of founding entrepreneurial projects. Moreover, the course aims to provide students with the core skills of an entrepreneur, starting from establishing the project, choosing the legal formula for it, planning, organizing, marketing, and financing until the whole process is fully managed while enabling students to submit proposals to establish a commercial project and to discuss it at the end of the semester. Finally, the course aims to study practical cases for pioneering projects in the Kingdom of Bahrain. (Prerequisite- None)

### **HBH 105 Bahrain Civilization & History**

This course deals with the history of Bahrain from 1500-1800. It studies the stages of the Portuguese invasion of this part of the world and the international power struggle that erupted after the invasion. It also deals with the ruling of Al-Utuub Tribe of Bahrain and the reign of Al Khalifa as their reign is characterized by propensity, wisdom, freedom, and modern state. (Prerequisite- None)

### **HR 106 Human Rights**

This course discusses the basic principles of human rights. It acquaints the students with the nature of human rights, their realms, and sources, paying special attention to the international legal provisions concerning human rights included in the following documents: United Nations Charter, International Declaration of Human Rights, International Accord on Civil and Political Rights, International Accord on Social and Economic Rights, International agreement against torture and inhumane, disrespectful punishment, and Protection mechanisms and constitutional organization of public rights and freedoms in the Kingdom of Bahrain. (Prerequisite- None)

## **University Elective Courses**

### **ISL 101 Islamic Culture**

The course deals with the concept of "Culture" in general and the concept of "Islamic Culture" in particular, and other related concepts. Thus, the course studies the characteristics of the Islamic culture, its sources, fields of study, and its role in creating the "Islamic character". It also deals with the so-called "cultural invasion", its types, methodologies, and ways of confronting it. (Prerequisite- None)

### **ISL 102 Islamic Ethics**

This course defines ethics and its aspects and how ethics plays an important role in our life in general and in workplaces in particular. It stresses the importance of ethics in Islam and the value Islam gives to ethics in general. This course deals with four aspects of ethics in Islam include its meaning, its significance, its effects, and its relation to work and work ethics. (Prerequisite- None)

### **ISL 103 Islam & Contemporary Issues**

This course deals with the way Islam deals with contemporary issues such as extremism, determination of the Islamic calendar, alms tax (Zakat) on money and jewellery, democracy and government system, cloning, abortion, and other related issues. (Prerequisite- None)

### **SPT 101 Special Topics**

This course deals with special contemporary topics that are important to university students. Such special topics help students understand their social, cultural, ethical, and economic environment so they are empowered with knowledge and skills. (Prerequisite- None)

### **LFS 102 Thinking and communications skills development**

This course introduces students to the concept of thinking, its characteristics, its forms and its importance in the educational process. The course also deals with applying modern strategies and theories interpreted for different kinds of thinking. The course

defines critical and creative thinking, differentiates between opinions and facts, hones students' skills in listening, negotiation and persuasion, giving a speech, solving problems, preparing for an interview, and writing a CV. (Prerequisite- None)

### **SOC 101 Introduction to Sociology**

The course introduces basic concepts in Sociology, its importance, approach, origin, and relation to other fields. Also, this course deals with scholars' contribution to Sociology. It also deals with topics related to Sociology such as social structure, culture, social systems, class, problems, and change. (Prerequisite- None)

### **MAN 101 Man and Environment**

This course defines environment in general and the difference between natural environment and constructed environment. It also deals with issues related to how environment is important to humans and how humans should interact with their environment and how human behaviour influences environment and vice versa. Moreover, this course demonstrates the essential role of institutions in protecting environment and the role students play to save their environment. Students are required to do some research related to environment. (Prerequisite- None)

### **LIB 101 Introduction to Library Science**

This course introduces students to the library sciences. It gives a general historical review of the development of libraries through the ages and sheds light on the importance of libraries in the development of knowledge and sciences. This course highlights the significance and function of information. Also, the course helps students to know how to use the library and its resources, digital database, and information systems. (Prerequisite- None)

### **CS 205 Computer Applications**

This course includes the following topics: using a word processing program to write reports, a spreadsheet software program to create an elementary accounting program, and a database software program to design an elementary information system. (Prerequisite- CS104)

## **College Compulsory Courses**

### **ADE1091 - Introduction to Drawing**

The course introduces students to various freehand drawing tools and materials, their uses, and applying the principles of freehand drawing, perspective, shade, light and its gradation on different objects and materials. (Prerequisite- None)

### **ADE1110 - Design Fundamentals**

The course includes a study of the principles and elements of design, the formation of two-dimensional (2D) and three-dimensional (3D), and introduction of colour theory, and its practical applications and projects which contribute to the develop students' ability in the sensory perception of visual formations and stereotypes. (Prerequisite- None)

### **IND 4053 – Design Collaboration**

This course encourages students to engage in collaborative activities and design, and to engage in different cognitive approaches for analysis and investigation issues that affect the world in which we live. It is designed to deepen students critical and creative understanding of the subject matter by placing it in a broader context. (Prerequisite IND3114)

## **Programme Compulsory Courses**

### **ADE 1100 – Historical Environments**

This course deals with the study of the history of architecture and the visual arts, with emphasis on the main models and styles of architecture, interior design, furniture, decoration, and the way in which designers and architects respond to the social, cultural, and environmental conditions affecting them. The time frame of this course extends from the Ancient Near East. Until the late Nineteenth Century (in Europe). This course is a prerequisite for 'History of Interior Design' Course. (Prerequisite: ADE 1091)

### **IND 1071 - Design and Environment Behavior**

The course deals with the relationships between the body, the objects, the culture, the events and the environment in a habitable world within the built environment, and it is composed of both aesthetic and practical requirements (user needs and their behavior, human factors, context, building systems, etc.). (Prerequisite: IND 1092)

### **IND 1092 - Principles of Architectural Drawing**

This course builds on the familiarity between the students and architectural drawing methods and applications. The student will be taught and trained to use the engineering tools, symbols and engineering lines, and drawing of geometric projections of objects and forms (orthographic and paraline projections) based on a common architectural language that communicates with other relevant specializations. (Prerequisite-None)

### **IND 1093 - Presentation Techniques**

The course focuses on principles of perspective drawing, and representation of interior spaces with the help of perspective techniques (perspective at a one vanishing point/ two vanishing points). As well as the conceptual drawings and rendering techniques, and professional graphics for professional presentations. (Prerequisite: IND 1092)

### **IND 1094 - Computer-Aided Design (CAD) I**

This course explores the architectural language and the graphic standards of 2D designs as the basis of three-dimensional (3D) drawings, conducting to the development of drawing skills that lead to understanding the relationship between two dimensional (2D) and three dimensional design (3D), design schemes, as well as enhancing the ability to communicate visually and graphically. (Prerequisite: IND 1092)

### **IND 2081 - Interior Design Studio 1**

This course represents the introduction to basic interior design principles and an introduction to research as a tool for understanding programming and design. Lectures, applications and case study methodology will be used to investigate different design strategies and to show the relationship of history and human behaviour in the context of the habitable environment. This

course provides students with methodologies, design processes, use of colour, anthropometric and ergonomics and design elements related to interior design. (Prerequisite: IND 1071 & ADE 1110)

### **IND 2095 - Computer-Aided Design (CAD) II**

This course promotes the building of student skills in the creation and study of computer aided 3D drawings after completing "Computer-Aided Design (CAD) I" Course. So that the student can form and manipulate three-dimensional (3D) shapes and succeed in producing environments that emulate reality to a large extent. (Prerequisite: IND 1094)

### **IND 2112 - Interior Design Studio 2**

This course deals with the organization, planning and design of the internal spaces of the residential activities, including (space and functional analysis requirements, movement and spatial organization requirements, motor regulation, internal surface treatment and human dimensions), with a focus on the space and privacy concepts, in order to provide students with an internal design project for residential space and produce it in an appropriate manner. (Prerequisite: IND 2081)

### **IND 2121 - Light & Color in Interior Environments**

The course deals with the basics of interior lighting design and its relationship to colour and its impact in supporting health, safety, comfort and human performance, and identify light sources and systems, measurement and calculation of lighting. Students learn to analyse the spatial requirements of light, identify appropriate systems, calculate the appropriate lighting level, and draw up reflected ceiling plans and identify their symbols and keys. (Prerequisite: IND 2081)

### **IND 2131 - Interior Materials & Finishes**

This course explores the features, characteristics and applications of textiles and other materials used in construction, furnishings, surfaces and finishes in the built environment. The course also provides students with an opportunity to learn how to choose the right materials to meet specific criteria. (Prerequisite: IND 1094)

### **IND 2151 - Interior Structures & Constructions**

The course deals with the relationship between the structural system of the building with internal constructions and the effects thereof, and the methods of construction and internal structures, while enabling students to understand the regulations, components and accepted standards to create an integrated and comprehensive set of internal construction documents. (Prerequisite: IND 2131)

### **IND 3051- Building Information Modeling (BIM) I**

The Course is an introduction to BIM (Building Information Modeling), a multi-dimensional integrated database, it covers the drawings, building scenes, calculations, quantities, detection of conflicts before they occur, energy efficiency analysis, structural analysis and construction scheduling which automatically derived from BIM. The course addresses the implications of this advanced technology and covers the basic tools for the implementation of the BIM. (Prerequisite: IND 2151)

### **IND 3061- Ethics & Practice of the Profession**

The course includes an introduction to the ethics and responsibilities of the interior designer. It presents topics such as the role of companies, technology transfer, small business management, marketing and promotion, scope of services, job description, contracts, ethics and auditing. The course includes studying project management contract documents from an ethical standpoint.

(Prerequisite: IND 3141)

### **IND 3103 - History of Interior Design**

The course covers the study of the development of internal environments, as well as the most prominent theories and movements related to the interior design which emerged during the twentieth century. It also teaches the study of social, economic, technological and anthropological considerations that influenced the design thought across the different historical stages.

(Prerequisite: ADE 1100)

### **IND 3113 - Interior Design Studio 3**

This course discusses and applies the design philosophies, theories and creative design strategies at the intermediate level (targeting shops/ and hospitality). It also focuses on: research, surveying, analysis, design processes, spatial and functional analysis, branding, construction technology, design elements and principles, human factors, creative problem solving, lighting requirements, internal component selection and preparing a presentation. (Prerequisite: IND 2112)

### **IND 3114 - Interior Design Studio 4**

This studio focuses on contemporary issues related to business/ office and institutional styles, construction technology, and sustainable design. Design and technological issues are addressed through: understanding of office culture, modeling Industry, construction systems, solar considerations, internal environmental quality, HVAC systems, space planning, material selection and finishes, lighting design, integration of furniture and equipment, and code requirements. The course emphasizes solutions based on comprehensive and sustainable design thinking, organizing complex spatial responses, and understanding that design is a structure in nature. (Prerequisite: IND 3113)

### **IND 3117 - Furniture Design**

This course focuses on issues related to furniture design, including construction (composition and production), methods, function, sustainability, technical aspects and costs associated with furniture. The course also allows students to develop and model their designs and transfer them to construction. Those skills will be gained through the study of human structure and search for suitable materials and construction techniques. (Prerequisite: IND 2112)

### **IND 3141 - Building Systems and Codes**

In this course, students will be introduced to the basic elements of the building systems (COD) and its systems, including mechanical systems (ventilation and air conditioning), health service systems (sanitation, nutrition and health systems), fire safety systems, data / voice systems), supervision and safety. (Prerequisite: IND 2121)

**IND 3142 - Sustainability in Design**

This course explores the sustainable design and the fundamentals of the Green Building Initiative. It also exposes a review of the concepts, strategies and classification systems adopted by the LEED Leadership Program in the United States. Students will complete this course with a basic understanding of the objectives, concepts and terminology of all LEED categories, as well as green building practices, sustainable products, and the importance of synergies. (Prerequisite: IND 3113)

**IND 3152 – Interior Structures & Constructions 2**

The course deals with studying the existing and new technologies and materials in the interior design world, as well as the study of the effects of construction laws and manufacturing specifications for selecting both structural and nonstructural elements. This reflects students' achievement of drawings and structural details and develops understanding the relationship between drawings and specifications with a focus on residential and commercial projects. (Prerequisite: IND 2151)

**IND 4040 - Internship (BID)**

This course provides an opportunity for students to gain experience in the workplace and translate what they have learned in the classroom into a practical reality. It focuses on enhancing students' practical and transformational skills, where more knowledge and skills are acquired for professional development and to meet future business requirements. This course allows them to work well in a culturally diverse work environment. In addition, it helps to expose students' skills and benefits gained from the training experience in the fields of study and life. (Prerequisite: 90 Hrs & IND 3113)

**IND 4062 – Specification and Estimation**

This course focuses on studying the basics of technical specifications and estimates the cost of interior design projects, including the quantities of construction materials, wages, supervision and others. (Prerequisite: IND 3051)

**IND 4071 – Programming and Research**

This is the preparation of the graduation project report (chosen by the student in coordination with the supervisor and approval of the department council). It includes the collection of all information and data related to the project, including theoretical studies related to the project subject matter, analysis of user characteristics and needs, development of the project program and functional relations, and identification of conceptual trends for design and discussion of spatial characteristics, color, materials and surface treatments suitable for the project. The report is presented for discussion by a jury. (Prerequisite: IND 3114)

**IND 4115 - Interior Design Studio 5**

This advanced, comprehensive studio emphasizes the solution of various design issues in a multi-functional building project and in collaboration with a design team. It extends from the initial design to the development stage of the design and then the constructional documents, it is based on the knowledge acquired in previous courses (design, history, theories, and technology). Students gather their research and design ideas and apply their knowledge in a comprehensive final presentation. (Prerequisite: IND 3114 & IND 2151)

### **IND 4116 - Graduation Project**

The course provides an opportunity for the student to express himself and his vision as a designer, and combines theory and skills gained during the program. During this course, the student will submit an integrated internal design based on research, combination and development of a predetermined graduation project within the graduation project course/ programming (IND 4071). The project will be presented and discussed in front of a specialized academic panel including an external expert. (Prerequisite IND 4115 & IND 4071)

### **Programme Elective Courses**

#### **IND 1099 – Advance Perspective**

This course focuses on the applications of perspective drawing, sketch of interior spaces with the help of engineering perspective techniques (perspective at a single vanishing point/ two points/and three points), as well as the study of shade and shadow projections in perspective. (Prerequisite: IND 1092)

#### **IND 2096 - Computer-Aided Design (CAD) III**

This course enhances student skills in the creation and study of computer aided 3D drawings after completing “Computer-Aided Design (CAD) II” Course, allowing students to build complex scenes, work in complex contexts, produce night and day scenes, and benefit from dedicated software for visualization and simulation of reality. (Prerequisite: IND 2095)

#### **IND 2097 - 3D Printing & 3D Scanning**

The course provides the needed knowledge and skill to produce and print 3D objects, as well as generate and prepare data for that. It focuses on the use of two professional technologies; 3D Printing, 3D Scanning and related software which enables students to utilize these technologies in their future projects. (Prerequisite: IND 2095)

#### **IND 2098- Digital Rendering of Architectural Drawings**

This course helps the student to have the ability to use features of dedicated software using Bitmap technology for the processing of graphics and images and mixing them, and in the operations of displaying and printing various graphics and designs. (Prerequisite: IND 1094)

#### **IND 2103 - Islamic Built Environment**

This course sheds light on the study of art, architecture, interior design and its development during the various Islamic eras. It analyzes the cultural and social contexts that have influenced the character of this urbanization and the manner in which the designers respond to those conditions. (Prerequisite: ADE 1100)

#### **IND 3000 - Special Topics in Design**

The course deals in-depth with internal design issues. It may include new issues in the field of interior design, or issues proposed by the faculty members. (Prerequisite: Dept. Approval)



### **IND 3098 - Interior Design Animation**

The course introduces digital animation techniques for interior spaces, moving cameras. The course revolves around real-world projects, workshops, practical tips and tricks used in 3D animation techniques. The student also learns time saving techniques, testing some tips for production at maximum speed and highest efficiency in the animation processes of interior designs.

(Prerequisite: IND 2095)

### **IND 3115 - Exhibition Design**

This course deals with the design of the exhibition pavilion at local and international exhibitions, with a focus on the impact of the context in which this type of activity takes place. The student will have to provide an appropriate lighting scheme and specifications along with utilizing the colour theories and taking into account the relevant standards. (Prerequisite: IND 2121)

### **IND 3116 - Kitchen and Bath Design**

This course focuses on requirements, standards, code, symbols, materials, finishes, and constructions related to bathroom and kitchen designs. In addition to connecting the requirements of plumbing and installation of equipment and electrical equipment with the design of these events. (Prerequisite: IND 3141)

### **IND 3118 - Interior Plantations & Courtyard Design**

The objectives of this course are to introduce the most important designs, functional and visual aspects of plants and internal structures. In addition to that, it also introduces the internal plantations (in terms of varieties, species, use and care), and selecting suitable furnishing and finishing materials. Students will have to apply this in a specific project. (Prerequisite IND 3113)

### **IND 3122 - Lighting Design**

This course focuses on the design and analysis of lighting using software, by introducing students to a range of digital lighting simulation techniques. This course will expose students to theoretical aspects of lighting analysis and design, as well as the tools used to enhance the integration of lighting analysis in the architectural or interior design process. Students will apply these guidelines in a design project. (Prerequisite: IND 2121)

### **IND 3133 – Innovative Materials**

The course deals with in-depth studies in the fields of raw materials and materials used in internal constructions, with a focus on studies and research related to smart and environmentally-friendly materials, and their methods for installation and use.

(Prerequisite: IND 2151)

### **IND 3154 - Rehabilitation of Heritage Buildings**

This course deals with the theoretical bases and concepts of the rehabilitation and use of historical and heritage buildings. This course provides the student with the suitable ground to choose appropriate rehabilitation policies to bring back the project to its original purpose for which it was developed, or for the purpose of converting it to serve another purpose. (Prerequisite: IND 3142)

**IND 4041- Interior Design Advanced Internship "On-Site"**

This is an advanced internship that focuses on advanced issues in interior design practice learned through the working experience with professionals. It requires the student to have completed the "Internship" course . (Prerequisite: IND 4040)

**IND 4042 - Interior Design Study Tours**

The course provides an opportunity to introduce students to various cultural and artistic sites through out-of-campus supervision, this will broaden their vision of the design profession. The significant lectures and tours are designed for interior design, architecture, furniture and associated arts. (Prerequisite: IND 3103)

**IND 4043 - Bahrain's Experience in Interior Design**

This course explores the reality and trends of interior design in the local environment by conducting a field study of the reality of interior design in the region. This study includes collecting and documenting all necessary information and data and analyzing it with a view to extracting the local experience in interior design and exploring the future of interior design. (Prerequisite: IND 3103)

**IND 4052 - Building Information Modeling (BIM) II**

The course builds on the principles and implementation principles learned in (BIM I), where the advanced BIM tools and applications are used in various fields such as joint cooperation in the project, lighting simulation, quantities calculation and detection of conflicts or interference. (Prerequisite: IND 3051)

**IND 4104 - Critical Issues in Design**

The course provides students with the opportunity to study a wide range of ideas, cultures and current issues related to the built environment. It also provides an opportunity for in-depth exploration of personal interest, a forum for brainstorming and research. It provides an excellent opportunity to synthesize a number of approaches to deal with the design problem. (Prerequisite: IND 3103)

**IND 4111 - Hospitality Design**

This course is concerned with the study of hospitality projects, including analysis of requirements, project programming, space planning, selection of furniture and appropriate finishes, through the anthropometric utilizing, and taking into account relevant regulations and standards. (Prerequisite: IND 3113)

**IND 4162 - Psychology & Sociology Design**

The student explores the psychological and social impact of design and how design can be directed to meet human needs and aspirations, and the role played by the designer in influencing the users' social behaviour, and finally its reflection in the development of design solutions. (Prerequisite: IND 2081)