

Ahlia University
COLLEGE OF ARTS & SCIENCE
BACHELOR'S DEGREE IN INTERIOR DESIGN
BSID 18-19

BSID 18-19 - FIRST YEAR (36 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ARAB	101	Composition for Native Speakers of Arabic I	3	0	3	
A practical language course which aims at developing the writing skills of native speakers of Arabic. The course develops skills such as journalistic writing and letter writing and pays special attention to the development of personal style.						
ENGL	101	Academic English I	3	0	3	ENGL 052 AND ENGL 055 or passing placement test
A course to develop the students' ability to use the language for academic study as well as everyday situations. It offers practice in reading comprehension, grammar, vocabulary-building and writing short texts.						
ITCS	101	Introduction to Computers & IT	2	2	3	
This course is an introduction to computers and information technology. The aim of the course is to introduce computers (their uses, development, components, hardware and software) to the students and to teach them how to use MS Office.						
MATH	103	Mathematics I	3	0	3	MATH 053 or passing placement test
is an introductory mathematical analysis for business, economics, life and social sciences as well as interior design and mass media. Students will learn how to write and solve systems of linear equations using Gauss elimination, quadric equations, and linear inequalities (analytically and graphically), absolute values, functions, composite functions, inverse functions and exponential and logarithmic functions. They will also learn how to determine compound interest, present and future value, and annuities. They will be able to develop a matrix, an inverse matrix and using operations with matrices to solve linear systems. The students are assigned assignments to solve to prepare them for the exams. Assignments and exams cover all material.						
INTD	100	Engineering Drawing	1	4	3	
This course is an introduction to manual architectural drawing. The objective of the course is to develop the necessary manual dexterity and knowledge of drafting fundamentals and to create orthographic and pictorial technical drawings freehand and using equipment. Topics covered include: drawing instruments, lettering techniques, line work, scale drawings, simple geometric constructions and dimensioning.						
INTD	102	Introduction to Design	1	4	3	
This course introduces students to the field of design through an introduction to general ideas and concepts of design theories and basic design principles in several simple building projects.						
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Second Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ENGL	102	Academic English II	3	0	3	ENGL 101
This course is a continuation of ENGL 101. It further develops students' reading, writing, listening and speaking skills needed for academic study and everyday communication.						
MATH	104	Mathematics II	3	0	3	MATH 103
is a calculus course designed for students studying business, economics, and other business-related programs. Besides business students, mass media and interior design students also take this course. This course involves limits, and differentiation and integration of variety of functions, such as simple algebraic functions, as well as exponential and logarithmic functions. It also includes the application of differentiation and integration for business related problems such as marginal costs and total costs, as well as price, marginal revenue and revenue.						
HIST	121	Modern History of Bahrain	3	0	3	
This course focuses on the importance of the strategic location of the Kingdom of Bahrain; Bahrain history since the early 1600; Al-Utoobs and the rise of Zubara; the beginning of Al-Khalifa era; Bahrain under the British protection & independence and the building of the modern state; modernization of the political administrative and legal systems; economic and social development in Bahrain.						
INTD	104	Interior Design Drawing	1	4	3	INTD 100
This course aims to develop both two-dimensional (for the creation of simple architectural plans, elevations and sections) & three-dimensional communication (perspective) as a means of creating the illusion of 3-dimensional space on a 2-dimensional surface. Using both one (1) and two (2) point perspective and how effectively render the illusion of space using pencil techniques, ink and color rendering.						
INTD	105	Theory of Interior Design	3	0	3	INTD 102
This course introduces the student to theories of visual perception and conceptualization. Through lectures, discussion and studio exploration students will discover the fundamentals of design, the design process, and creative thinking. Theories pertaining to human factors will be explored including proxemics, anthropometrics and ergonomics.						
MAGT	121	Fundamentals of Management	3	0	3	
An overview of management theory and practice. Introducing students to the study of managerial skills, organization structure, management functions, process, and system within an action frame of reference. Managerial concepts and terms related to leadership, employees' motivation, decision making models and strategic management.						
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BSID 18-19 - SECOND YEAR (35 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
STAT	101	Introduction to Statistics	3	0	3	MATH 053 or passing placement test
<p>is an elementary course that begins by familiarizing the student with new concepts as applied to extraction of meaningful information from random sets of data. It covers descriptive statistics and leads on to frequency and its distribution, variance and standard deviation, probability, expected values, discrete and continuous probability distributions, correlation and regression.</p>						
ENGL	201	Academic English III	3	0	3	ENGL 102
<p>The third in the series of integrated language courses to develop the students' proficiency in using the language for academic study and everyday communication. Particular emphasis is placed on developing the students' ability to read longer texts, writing multi-paragraph texts as well as speaking skills.</p>						
INTD	205	Presentation & Rendering Techniques	0	6	3	INTD 104
<p>This course focuses on freehand rendering techniques for illustrative graphic presentation of interior design ideas. Students will employ a variety of mediums including graphite, ink, colored pencils, marker pens, pastels, watercolor, and collage. Other topics include reproduction, transfer, and mounting techniques. to create authentic versions of their designs. Emphasis is on rendering techniques that are used to accurately communicate the way objects and spaces are presented in three dimensional projections mimicking the built environment.</p>						
INTD	207	Materials in Interior Design	3	0	3	INTD 105
<p>This course consists of a study of construction and finishing materials and their properties. Emphasis is on the appropriate selection, specification and employment of construction and finishing materials used in interior design.</p>						
INTD	212	Elementary Residential Interior Design Studio	1	4	3	INTD 104
<p>In this course, students apply a range of elementary design skills for the development of residential interior designs that take into account conceptual elements (human scale, movement, circulation, space planning) revolving around desiderata of living spaces, user requirements and needs, life quality improvement, and health and safety considerations. Students engage in systematic research in and interior programming of interior residential design and hone skills in freehand drawing and manual drafting through the use of sketches, mechanical drawings, and perspectives towards the preparation of conceptual illustrations.</p>						
INTD	214	Software Technologies for Interior Design	1	4	3	INTD 104
<p>The course aims to provide students with the specialist knowledge to develop computer-aided drafting skills using, primarily, the latest release of CAD software to develop attractive interior drawings (plans, elevations, sections, etc.) in conjunction with Adobe Photoshop. In addition, students are introduced to 3D Max, Rhino and Form Z.</p>						
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Second Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
HUMR	101	Principles of Human Rights	2	0	2	
<p>The course covers the basic principles of human rights through the definition of human rights and their scope with a focus on International Conventions of Human Rights, which includes the following documents: United Nations Charter, Universal Declaration of Human Rights, International Convention for Civil and Political Rights, International Convention for Economic, Social and Cultural Rights and Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment. It also covers protection mechanism and institutional administration of rights and general freedoms in the Kingdom of Bahrain.</p>						
ENGL	202	Academic English IV	3	0	3	ENGL 201
<p>The fourth in the series of integrated language courses which continues to develop students' proficiency in using the language for academic study and everyday communication.</p>						
INTD	213	Textiles for Interior Design	3	0	3	INTD 207
<p>This course aims to give students a broad understanding of technical and functional properties of interior textiles. The course content includes characteristics, use and production of textile materials used in interior design; the physical, mechanical and chemical properties of textile products; end use of the textiles considering their favorable properties; and ornament or embellishment techniques of textile surfaces.</p>						
INTD	215	Digital Visualization in Interior Design	1	4	3	INTD 214
<p>This course serves as a primer on computer aided visualization techniques enabling students to gain facility in creating layouts for digital and printed presentations. During the course, students integrate media and presentation techniques and students use software technologies to elaborate design concepts. Students gain exposure to the employment of digital models and data structures in the representation of the built environment.</p>						
INTD	216	Elementary Commercial Interior Design Studio	1	4	3	INTD 212
<p>This course focusing on commercial interior environments, the problem solving discipline of the design process and its application to offices, restaurants, lobbies, and related interior spaces, it develops concepts to achieve design goals and apply theoretical knowledge and technical skills to design solutions. Topics covered include commercial client needs, branding, space planning, material and furniture selection, building code requirements, barrier-free access, sustainable design practice, and presentation techniques used in the design of commercial interior spaces.</p>						
INTD	217	History of Interior Design	3	0	3	INTD 105
<p>The course puts into comparative perspective different architecture and design schools and styles from the Classical period to the 20th century that influenced and formed the modern interior design theory. A series of illustrated lectures and special presentations examines the historical sweep of interior design and architecture across Europe, the Americas, Asia, and Africa. Emphasis is placed on environmental, technological, economic and social factors contributing to the development of interior design and architecture over time.</p>						
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BSID 18-19 - THIRD YEAR (39 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
INTD	306	Building System & Interior Codes	3	0	3	INTD 207
<p>This course examines various interior assemblies on non-load-bearing and, load-bearing walls, floors, stairs, elevators, fireplaces, ceilings, doors, interior windows, frames, millwork, and fire-related construction. Emphasis is placed on building codes, construction materials, visual qualities, technical characteristics and applications of the common materials and finishes: floor coverings, wall coverings, textiles, ceiling, and sustainable materials. Related fire, health, and safety codes, as well as maintenance and life cycle costs, receive attention.</p>						
INTD	309	Building Information Modeling (BIM) I	1	4	3	INTD 215
<p>The course objectives focus on fundamentals of Building Information Modeling (BIM) as a construction documentation system, introduces concepts and features of BIM. It includes software structure and features, modeling and editing techniques, and sheet creation and organization. It focuses on applying BIM software to develop a set of construction documents.</p>						
INTD	311	Intermediate Retail Interior Design Studio	1	4	3	INTD 216
<p>This course focuses on retail spaces, the problem solving discipline of the interior design process and its application to department stores, shops, boutiques, and other retail and mercantile settings. Students apply a range of intermediate design skills involving both freehand techniques and CAD software in creating retail interior designs, through systematic research and interior design programming, that comport guidelines and regulations of building and safety codes.</p>						
XXXX	XXX	Free Elective I	X	X	3	
HU/SS	XXX	Humanities & Social Sciences	3	0	3	
MAKT	201	Principles of Marketing	3	0	3	MAGT 121
<p>This course serves as an introduction to marketing in general, and the marketing process in particular. Students will develop a thorough understanding of the marketing concept/process, the marketplace and the differences between consumer and business markets. They will also learn how to design a customer-driven marketing strategy which employs the marketing mix, whilst keeping pace with digital age developments linked to marketing activities.</p>						
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Second Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
INTD	313	Design & Society	3	0	3	INTD 217
<p>This course confronts students with the key social issues facing contemporary society and the response of design and visual communication practices to them. Topical content includes design of interior environments in relation to cultural norms, gender differences, design for the disabled, the elderly and children, as well as the notion of universal design. The course is designed to enable students to think about design and visual culture in a critically engaged way through a case-study approach tailored to illumine cross-cultural differences as a driver of contemporary designed environments. In this course students are also be encouraged to approach their own design practices in a societally reflective manner.</p>						
INTD	314	Color in Interior Design	1	4	3	INTD 205
<p>This course aims to provide the student with knowledge of color used in the interior design profession. This course is a study of color as a key design element with its applications to the practice of interior design. Emphasis will be placed on using color in combination with the principles of design to gain a holistic view of color and design theory. Upon completion of this course, students will be capable of demonstrating and applying the necessary practical and theoretical properties of color to the built environment.</p>						
INTD	319	Lighting in Interior Environments	3	0	3	INTD 205
<p>This Course focuses on the fundamentals of light: its sources, variations, quality, design implications, product variations, technologies and cost/benefits. Students learn how to integrate appropriate lighting and color choices, from both technical and aesthetic perspectives, covering the four function of light: task, accent, decorative and ambient. Lighting for the specific sectors of built environments (residential, retail, corporate, etc.) is discussed and evaluated as an imperative creative design feature and form-maker.</p>						
INTD	329	Building Information Modeling (BIM) II	1	4	3	INTD 309
<p>This course endows students with the knowledge and professional level skills for generating a Building Information Model (BIM) using industry –standard Revit software. Students obtain a comprehensive overview of and employ BIM concepts in building projects involving planning and design of residential and commercial facilities across a range of modeling building elements</p>						
ETHC	394	Ethics and Professional Practice in Interior Design	3	0	3	INTD 311 AND Completion of at least 66 credits
<p>The purpose of the course is to introduce ethical dimension of management to prospective professionals in the field of Interior Design & Architecture. Emphasis is on applying ethical standards to a range of business practices that the practitioner might likely encounter in the business of architecture and interior design. Ethical aspects of doing business impinge on a range of services provided by architectural and design professionals including but not limited to: business management, marketing, contracts, negotiations, design cost analysis/control and human resources. As part of the learning process students will be expected to participate in class discussion as well as to analyze cases designed to develop critical thinking skills in ethics.</p>						
INTD	3XX	Major Elective I	X	X	3	
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Summer Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
INTR	470	BSID Internship	0	0	3	INTD 311 AND Completion of at least 90 credits And Minimum CGPA 2
<p>This course provides practical training experience, off-campus on a job site, for BSID students to facilitate transition from the classroom to a professional work environment facilitating their seamless integration into the work force upon graduation as interior designers. This course aims to provide students with first-hand experience of the day-to-day functions and duties of and operations undertaken by interior designers and to integrate knowledge and skills learned in the classroom with competencies required by the workplace.</p>						
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BSID 18-19 - FOURTH YEAR (24 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
INTD	403	Working Drawing & Documentation	1	4	3	INTD 306
<p>Introduces the production of a comprehensive set of construction documents and an architectural working drawings of interior constructions, such as floor plans, elevations, sections, finish schedules, reflected ceiling plans, interior partitions, stairs, fireplaces, doors, windows, and details. Emphasis is placed on the selection, specification and illustration of appropriate materials, assemblies and components. Students prepare a full suite of documentation (client's brief, conceptual design, work drawings, material planning) in support of a selected interior construction to professional standard.</p>						
INTD	404	Advanced Educational Interior Design Studio	1	4	3	INTD 311
<p>Objective of the final and last design studio is a complex and large educational facility that provides students with a "virtual studio" environment where industry practices and design theories are integrated into simulated projects. Students are expected to utilize all theories and resources developed in preceding courses to produce an advanced space planning solution, and complete construction documentation for a major design problem. Demographic, economic, behavioral, conceptual and contextual consideration for a tiered educational facility is considered. Emphasis will be placed on collaborative skills, research, critical analysis and incorporation of sustainable practices. Students also get to use digital media for three-dimensional presentations of design projects are implemented such as AutoCAD 2D, Google Sketch up, Photoshop, 3D Max and Revit to support the Interior Design Advanced Studio Project</p>						
INTD	406	Environmental Control Systems	3	0	3	INTD 306
<p>This course covers fundamental knowledge of building physics (heat, air and moisture, sound, light, sun and wind) and building services engineering (installation concepts and components) in building design issues. These areas are addressed in the context of sustainable and energy efficient building design with the final aim of achieving safe, healthy, comfortable and low-energy buildings. The integration of sustainable climate concepts in architectural design and urban planning plays central role.</p>						
IDRM	498	Research Methods in Interior Design	3	0	3	INTD 329
<p>This is a foundation course for INTD 499 Final Design Project. A thorough study of the actual site proposed should include the followings; the surrounding buildings and context, orientation and environment, and access and outlets. Students explore building regulations that have to be implemented in the project design. Students achieve an analytical research study about a diversity of similar case studies and their context. At the end of the semester, students should present their project to a jury of professional designers and academics.</p>						
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Second Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
XXXX	XXX	Free Elective II	X	X	3	
INTD	417	Advanced Healthcare Interior Design Studio	1	4	3	INTD 403 AND INTD 404
<p>The course focuses on the interior design of healthcare spaces, the problem solving discipline of the interior design process and its application to hospitals, clinics, assisted living communities, and related healthcare facilities. The emphasis is placed on special needs populations including the cognitively/mentally impaired, geriatric populations, and children. In consultation with the instructor, the student design team selects a special population to research. At completion of research, the student team provides programming, pre-design documentation, tracking documentation and a final design presentation. Students develop facilities in the use of AutoCAD, Google Sketch up, Photoshop, 3D Max and Revit.</p>						
INTD	4XX	Major Elective II	X	X	3	
INTD	499	Project in Interior Design	0	6	3	IDRM 498 AND ETHC 394
<p>This course explores the concept of a space. Students investigate site and client analysis, and then formulate design proposals from sketch scheme to final solution. The project is chosen by the student and subject to approval by a senior project advisor and coordinator. Advanced study, research, and data collection leading to the development of the graphic and three dimensional materials are required to illustrate the design process and the project solution.</p>						
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LIST OF MAJOR ELECTIVE COURSES

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
INTD	312	Human Factors in Design	3	0	3	INTD 105
<p>Building on precepts garnered on the elementary level in the Theory of Interior Design (INTD105), this course primarily explores in depth concepts of human factors, the anthropometric aspects of ergonomics, that applies in the utilitarian design of interior spaces involving diverse topical matter as efficient design of workspaces, optimal deployment of safety equipment and security features as well as a more general consideration of how differences in the characteristics, abilities, and physical limitations of human bodies impinge on interior design solutions.</p>						
INTD	315	Garden & Landscape Design	1	4	3	INTD 212
<p>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 undertake a site survey and frame a conceptual design consonant with client needs, selecting appropriate hard and soft landscaping materials, with a view to modeling the created design of garden.</p>						
INTD	316	Digital Presentation & Communication	1	4	3	INTD 215
<p>Students exhibit proficiency in application of advanced 3-dimensional modeling and digital rendering techniques through the use of current industry standard software. As part of a suite of project presentation materials, students acquire advanced skills in digital illustration using Photoshop to create photo-realistic images of interiors in a professional presentation of an interior design project.</p>						
INTD	317	Furniture Design	2	2	3	INTD 213
<p>This course focuses on materials, construction technologies, furniture production and marketing involved in the design and fabrication of furniture. It explores the relationship between ergonomics, comfort and function in the design of furniture for both site-specific environments and mass produced applications, as well as to the development of detailed drawings and model of the designed furniture piece to better understand construction connections and detailing. The components of this course focus on application of design theories and principles in the creation of furniture as well as the specification of furniture in interior design projects.</p>						
INTD	339	Historic Restoration	3	0	3	INTD 217
<p>This course is an examination of the contemporary theories, techniques and practices of the urban and architectural historic preservation and their applicability to regional and local preservation problems. The course also includes a discussion of historical, legal, political, financial and programmatic aspects.</p>						
INTD	342	Islamic Art & Design	3	0	3	INTD 217

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This course is an analytical study of the history of Islamic art and architecture, particularly its evolution and development of graphic and architectural form under the influence of Islamic culture.						
INTD	412	Design Psychology	3	0	3	INTD 313
Drawing on environmental psychology relevant to spatial design, students, employing theoretical and analytical methods, gain insight into ways in which the individual and the built environment interact, influencing behavior and experience. In this course, students gain an appreciation of the complex interaction and impact of the built environment on human behavior examined through the prism of social, behavioral, cultural and environmental variables. Issues of social and cultural context, gender, health and well-being are examined through environmental factors and characteristics of the built environment.						
INTD	413	Sustainable Design	3	0	3	INTD 313
This course is designed to provide students with the essential knowledge to understand the principles of "green" design. It covers an analysis of sustainable or "green" building through the practice of designing, constructing, operating, maintaining, and removing buildings in ways that conserve natural resources and reduce their impact on climate change.						
INTD	415	Acoustics	3	0	3	INTD 306
This course addresses the use of basic sound in design and the principles of sound absorption and isolation within the context of interior design. It focuses on the design of internal spaces emphasizing acoustics in reference to Indoor Environment Quality (IEQ) and complex multifunction building types.						
INTD	427	Signage & Wayfinding Systems	2	2	3	INTD 313
Wayfinding functions to inform people of the surroundings in unfamiliar built environments with a view to highlighting information at strategic points to guide people into the right directions to overcome the fact that complex structures in the built environment are interpreted and stored by the human memory vary such that distances, locations and time are remembered differently than as they appear to be in reality. Students gain insight into landmarks, orientation and navigation as key inputs in strategizing wayfinding designs. Students integrate signage systems in a design grid used to integrate information in the context of four sub-types of signage: Informational signs, directional signs, identification signs and warning signs.						
INTD	429	Kitchen & Bathroom Design	1	4	3	INTD 306
This course covers specific technical, ergonomic and functional requirements in kitchen and bath design for both residential and public buildings. This course helps students to understand the kitchen and bathroom design process from conceptual drawings to schematic design, study the fundamentals of design and layout, including the functional use of space, review artificial and natural daylight and ventilation requirements, available fixtures, equipment specifications, and cabinetry design and function, and refine students' knowledge of choosing appropriate colors and in specifying materials for durability and easy maintenance.						
INTD	430	Traditional Interior Architecture	3	0	3	INTD 313
The aim of this course is to introduce the students to the non-western traditional culture and architecture in different regions in terms of indoor environmental quality and formation of the plan layouts regarding both interior and exterior spaces. The course includes next to the Bahraini, also Indian, Egyptian, Iranian, Moroccan and Far-East traditional architecture and interiors. Main themes include: the characteristics of the non-western interior architecture; the climate & sustainability aspects such as heating, cooling, ventilation, lighting, energy and materials of these traditional buildings.						
INTD	435	Exhibit Design and Installation	2	2	3	INTD 313
This course emphasizes the aesthetic and functional importance of form and space in exhibit design in commercial and non-commercial settings. Synthesizing multiple design disciplines that come together to communicate objects, information and themes across a range of three-dimensional environments, students, in exhibit design, communicate to target publics through environmental experiences that inform, entertain, and inspire. The discipline considers the exhibition from the perspectives of communication, design and fabrication that involve a mastery of spatial planning, image manipulation, narrative, color, lighting, and multimedia, and working knowledge of structures, typography, combined with an understanding of audience and human factors, to shape storytelling experiences across multiple exhibition venues. Students engage in planning of interior-design environments and scenography for trade exhibitions as well as as well as for a range of festivities, museums, cultural and theatrical events. Students will gain insight into the staging of representative and experiential spaces; for a variety of exhibitions and by means of case studies and attendance at exhibitions, where they will gain firsthand knowledge of the role of such factors as lighting, sound and multimedia effects in installation of exhibit designs.						

Dr. Imad Assali

*BSID students take one major elective at the 300-level and one major elective at the 400-level with the caveat that if the student elects a theoretical course (3-0-3) at the 300-level, it is incumbent on the BSID student to take a practical course [(1-4-3)(2-2-3)] at the 400-level, conversely, if the student elects a practical course [(1-4-3)(2-2-3)] at the 300-level, it is incumbent on the BSID student to take a theoretical course (3-0-3) at the 400-level.