



UNIVERSITY OF BAHRAIN  
COLLEGE OF ENGINEERING  
DEPARTMENT OF ARCHITECTURE & INTERIOR DESIGN

INTERIOR DESIGN  
HANDBOOK  
2020 - 2021



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## ABOUT THE COLLEGE

### VISION

The vision of the College of Engineering is to be among the leading colleges in the region and to maintain a respectful international status and reputation by sustaining a high quality of engineering education and scientific research.

### MISSION

To educate students for positions of leadership and innovation in engineering, architecture, interior design and related fields; widening the horizon of engineering knowledge through original research, developing and transferring technologies to serve the local and regional needs and to benefit the public through service to industry, government, and the engineering profession.



## ABOUT THE DEPARTMENT



Department of Architecture and Interior Design is a unique department in the College of Engineering. Its fields of studies: Interior Design is a creative, artistic, socially conscious, design-based disciplines and is situated between Arts and Engineering.

Our graduates learn to think, imagine and create exciting but purposeful built- environments from cities to room interiors and study philosophies, histories, social sciences, construction engineering as well as management and professional practice. They enjoy promising job prospects as architects as well as project managers and property developers.

Interior Design is one of the best professions in the world for those who enjoy creativity, imagination and unlimited complexity and challenge to innovate. In Design clients pay handsomely for dreaming on their behalf. The department is well equipped with design studios, a material lab, a model workshop and lecture rooms that enable students to progressively grasp the complexity of the art of design and excel in becoming designers of outstanding prowess.

With a qualification in Interior Design, graduates can work either in architectural firms or in government agencies dealing with built-environments or set up their own practices after appropriate work experiences. Our department offers one of the best Design Education in the region.

## DEPARTMENT PROGRAMS



The Department of Architecture and Interior Design offers three undergraduate programs and will soon offer a Master of Architecture with specialisations in urban design, housing, digital design, sustainability, landscape architecture and interior design.

The undergraduate programs are:

- Bachelor of Architecture
- B.Sc Interior Design
- Bachelor of Landscape Architecture

## INTERIOR DESIGN PROGRAM

The 135 credit B.Sc in Interior Design program begins with an introduction to Basic Design principles and graphic practices. These will enable the students to produce effective design communications. The interior design program evolves from the first year to the fourth year around a core activity; Design of interior spaces. Design progresses from a simple small-scale interior to a large and complex interior in the Final year with a Graduation Project. Through these, students learn about functional, social, cultural, and psychological forces that necessitates interior spaces upon which materials, texture, colors, and other space-enhancing artifacts are articulated to create charming interiors.

## PROGRAM OBJECTIVES

- 01 To provide educational opportunities to the students to grasp the complexity of interior architecture.
- 02 To promote the innovative and creative exploration of spatial and environmental opportunities availed by emerging developments.
- 03 To produce graduates who will excel in the art of design and progress in their careers and acquire leadership positions.

Understanding the global perspective for Design.

1

Offering a human centered approach to Design.

2

Developing refined skills in Design Process.

3

Enhancing abilities to collaborate with other professionals.

4

Developing abilities to communicate effectively.

5

Demonstrating abilities to apply knowledge of Interiors, architecture, art, and the decorative arts within a historical and cultural context.

6

6  
GRADUATE  
OUTCOMES



## STUDENT ACHIEVEMENT DATA

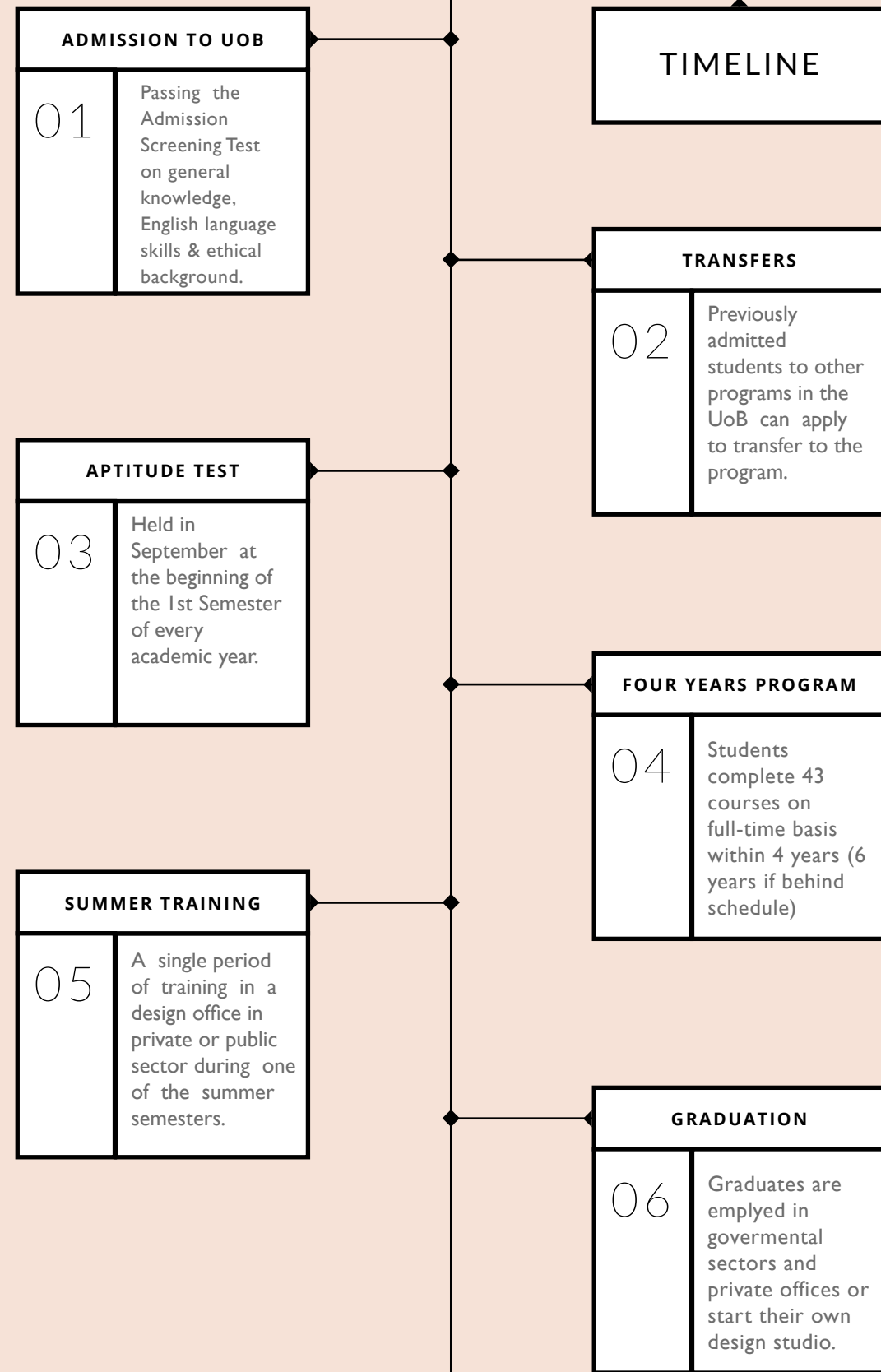
### ADMISSION & APTITUDE TEST

The Bachelor of Interior Design is a four year full time program that admits students in September of every year; which is the beginning of the Academic year at the University of Bahrain. Any student who has graduated from a high school in Bahrain is entitled to apply provided that he/she has achieved above %90 GPA in the Science medium. There is a university-wide Admission Screening Test which ascertains the student's general knowledge, English language skills and ethical background as appropriate for admission to the UoB. The assessment criteria for this test is available here (<http://www.uob.edu.bh/en/index.php/admission>). Those who pass this test and those who have indicated Interior Design as their first, second or third preference are invited to attend a Department level 'Aptitude Test' held at the beginning of the 1st Semester of every academic year that is in September. Those who have been previously admitted to other programs in the UoB and who desire to transfer to the Interior Design Program are also invited to attend the Aptitude Test. The Department Aptitude Test ascertains a student's, creative, imaginative and communication skills including the ability to express verbally in the English Language.

### PROGRAM STRUCTURE

The program introduces the students to the fundamentals of design in the first year, followed by six design courses, offered in an incrementally complex manner up to the culmination of the production of a Graduation Design Project in the Final Year. This central facet of Interior Design is supported every semester by the introduction and exposure to a series of courses aimed at providing the necessary knowledge related to theories, philosophies, history, culture, construction technologies, environment etc., and skills related to drawing and sketching, computer graphics, visual presentations and design; particularly furniture and lighting design. They are also exposed to professional practice and project management, and other supportive areas of studies.

There are also opportunities to explore one's personal interests in general through Liberal Arts courses as well as specific architectural interests by taking specialized elective courses. The Interior Design graduates are therefore skilled in Design, intellectually energized and able to think imaginatively, engage in their professional activities with passion and perseverance, and implement design schemes to cater to the needs of people while satisfying numerous needs and demands brought upon to an interior designer by a client.



**STUDENT ACHIEVEMENT DATA**



**LEARNING EXPECTATIONS & OUTCOMES**

A student admitted to the Bachelor of Science in Interior Design will typically graduate within 04 years provided that he/she follows the program as offered by taking the necessary pre-requisite for every course, advancing through the courses systematically. A student usually registers for 15 - 17 credit hrs per semester with a maximum of five courses. The program requires that a student completes 135 credits through 43 courses. There is no opportunity for following this program part-time. Those students who do not follow the program as planned and fall behind the schedules could take a maximum period of six years to complete the program, after which the student will be dismissed. It is also necessary that a student maintains a minimum of 2.0 GPA at any given semester to remain in the program. Those who perform poorly and achieve less the 2.0 GPA shall be given 2 warnings through 2 semesters and if the GPA does not improve above 2.0, then such students will be dismissed. However, those who are dismissed have an opportunity to appeal to be re-admitted, provided there is compelling ground resulting from health or any other social issues. The University Council after due consideration may admit such a student and be given an opportunity to complete the program in certain circumstances.

17  
credit hours per semester

135  
credits total through 43 courses

85  
credits completed for training



*“When you design, you are not a mere decorator, you are a researcher, an anthropologist, a pshychologist, a curator, and a trend setter”*

DETAILED STUDY PLAN
---------------------

**YEAR 1- SEMESTER 1**

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
CSC 103	Computer Programming for Scientists and Engineers	3	2	3	CR	-----	No
ENGL 101	Communication Skills I	3	0	3	CR	-----	No
MATHS 101	Calculus I	3	0	3	CR	-----	No
INTD 110	Basic Design I	0	6	3	MR	-----	Yes
INTD 111	Graphics I	0	6	3	MR	-----	Yes

**YEAR 1- SEMESTER 2**

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
ENGL 102	Composition and Reading II	3	0	3	CR	ENGL 101	No
ISLM 101	Islamic Culture	3	0	3	UR	-----	No
MATHS 102	Calculus II	3	0	3	CR	MATHS 101	No
INTD 120	Basic Design II	0	6	3	MR	INTD110 & INTD111	Yes
INTD 121	Graphics II	0	6	3	MR	INTD 111	Yes

## DETAILED STUDY PLAN

### YEAR 2- SEMESTER 3

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTD 210	Interior Design I	0	8	4	MR	INTD120 & INTD121	Yes
INTD 211	History & Theory of Interiors I	3	0	3	MR	INTD120	Yes
INTD 212	Computer Aided Drafting	1	4	3	MR	INTD121	Yes
INTD 213	Presentation Techniques	0	4	2	MR	INTD120 & INTD121	Yes
INTD 216	Colour in Interiors	1	2	2	MR	INTD120	Yes
PHYCS 107	Physics for Building Design	3	0	3	MSR	-----	No

### YEAR 2- SEMESTER 4

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTD 220	Interior Design II	0	8	4	MR	INTD 210 & ENGL 102	Yes
INTD 221	History & Theory of Interiors I	3	0	3	MR	INTD 211	Yes
INTD 222	Materials & Methods of Construction I	3	0	3	MR	INTD 121 & MATHS 101	Yes
INTD 223	Computer Aided Interior Design	1	4	3	MR	INTD 212	Yes
INTD 224	Textiles	3	0	3	MR	INTD 210	Yes
HRLC 107	Human Rights	2	0	2	UR	-----	No

### YEAR 3- SEMESTER 5

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTD 310	Interior Design III	0	8	4	MR	INTD 220	Yes
INTD 311	Histry of Islamic Interiors	3	0	3	MR	INTD 221	Yes
INTD 312	Materials & Methods of Construction II	3	0	3	MR	INTD 222	Yes
INTD 313	Environmental Control Systems I	3	0	3	MR	INTD 220 & PHYCS 107	Yes
INTD 314	Computer Animations	1	4	3	MR	INTD 223	Yes
INTD 324	Furniture Design	1	2	2	MR	INTD 220	Yes

### YEAR 3- SEMESTER 6

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTD 320	Interior Design IV	0	8	4	MR	INTD 310	Yes
INTD 322	Working Drawings	0	8	4	MR	INTD 223 & INTD 312	Yes
INTD 323	Environmental Control Systems II	3	0	3	MR	INTD 313	Yes
INTD 326	Design, Culture & Environment	3	0	3	MR	INTD 310	Yes
PSYC 103	Introduction to Psychology	3	0	3	MSR	-----	No

### TRAINING REQUIREMENT

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTD 325	Interior Design Training	0	0	0	MR-Training	Completion of 85 Credits	No

## DETAILED STUDY PLAN

### YEAR 4- SEMESTER 7

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTD 410	Interior Design V	0	10	5	MR	INTD 320	Yes
INTD 411	Graduation Project- Programming Stage	3	0	3	MR	INTD 320	Yes
INTD 413	Management in Interior Design	3	0	3	MR	INTD 320	Yes
INTD 41X	Major Elective I from list 1	X	X	3	ME	INTD 310	Yes
INTD 424	Interior Finishes	3	0	3	MR	INTD 312	Yes

### YEAR 4- SEMESTER 8

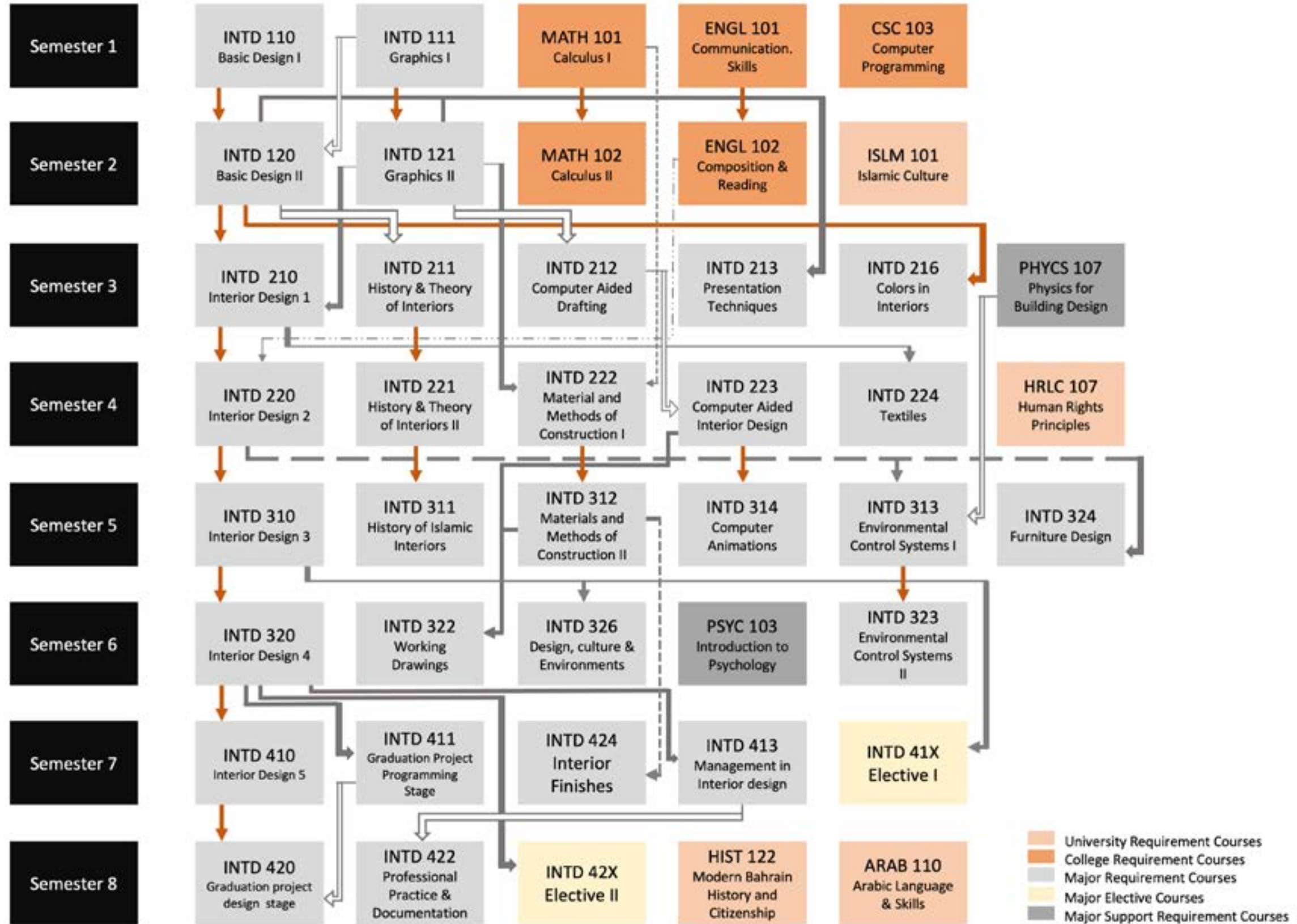
Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTD 420	Graduation Project- Design Stage	0	12	6	MR	INTD 410 & INTD 411	Yes
INTD 422	Professional Practice & Documentation	3	0	3	MR	INTD 413	Yes
HIST 122	Modern History of Bahrain & Citizenship	3	0	3	UR	-----	No
ARAB 110	Arabic Language Skills	3	0	3	UR	-----	No
INTD 42X	Major Elective 2 from list 2	X	X	3	ME	-----	Yes

## DETAILED STUDY PLAN

### MAJOR ELECTIVE COURSES

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
List 1							
INTD 414	Social and Cultural Factors in Design	3	0	3	ME	INTD 310	Yes
INTD 415	Interior Planting and Courtyard Design	3	0	3	ME	INTD 310	Yes
INTD 416	Architectural Design	2	2	3	ME	INTD 310	Yes
List 2							
INTD 425	Islamic Ornamentation	3	0	3	ME	INTD 320	Yes
INTD 427	Special Topics in Interior Design	2	2	3	ME	INTD 320	Yes

# PROGRESSION CHART



## COURSE DESCRIPTION

**Course Code: INTD 110**                      **Course Title: Basic Design I**

Role of design basics in interior design context. Design elements: point, line, shape, form, space, color, texture, and light. Design principles: proportion, harmony, rhythm, emphasis, dominance, focal point, balance, and unity. Spatial relationships: space within a space, adjacent spaces, interlocking spaces, spaces linked by a common space. Types of design organizations: centralized, linear, clustered, radial, and grid. Two and three dimensional design problems emphasizing creative thinking and processing the given information.

**Course Code: INTD 111**                      **Course Title: Graphics I**

Use of drafting tools and equipment, graphic symbols and lettering, drawing fundamentals, projection systems, orthographic projection, axonometric and isometric projections, application of projection techniques for the production of architectural drawing (plans, sections, elevations), dimensioning, sketching.

**Course Code: INTD 120**                      **Course Title: Basic Design II**

Color systems (color wheels). Properties of color, color principles. Texture: tactile and visual. Visual perception of colors and textures. Relationships and differences between abstract and functional design. Functional definition of a space: identifying users' activities and requirements. Movement through space and /or space groups. Space requirements for activities, circulation, furniture and equipment. Functional relationships among activity areas and/or spaces. Two and three dimensional design alternatives for simple interiors and space groups. Emphasis placed on creativity, conceptual thinking and implementation of given information in both design basics courses.

**Course Code: INTD 121**                      **Course Title: Graphics II**

Principles of perspective drawing, representation of interiors with the aid of manual perspective drawing techniques (one and two points perspectives), shade and shadows in plans, elevations, and perspectives, conceptual drawings.

**Course Code: INTD 210**                      **Course Title: Interior Design I**

Interior design of a simple space. Introduction to programming; functional analysis, anthropometrical and ergonomic requirements, area requirements, circulation requirements and furniture arrangement, treatment of interior surfaces..

**Course Code: INTD 211**                      **Course Title: History & Theory of Interiors I**

Survey of interiors from pre-history cave settlements until the European Renaissance; emphasis is placed on the relationship between the social, economic, political, and environmental factors, and the formation of architecture, interior spaces, interior surfaces, furniture, and ornamentation.

**Course Code: INTD 212**                      **Course Title: Computer Aided Drafting**

Introductory course in computer aided drafting. Use of AutoCAD software effectively to create computer-generated floor plans, elevations, and details that meet current professional standards. Use of Photoshop software to represent complete 2D CAD drawings with appropriate materials and rendering

**Course Code: INTD 213**                      **Course Title: Presentation Techniques**

Focus on oral and visual presentation skills needed in the interior Architecture profession. Exploration of basic rendering techniques for different materials in floor plans, elevations, and perspectives. Color rendering of hand drawn and digital images.

**Course Code: INTD 216**                      **Course Title: Colour in Interior**

Use of color in interiors. Emphasis on color theory, psychology of color and its effects on moods. Application of color in interior environments with lighting conditions.

**Course Code: INTD 220**                      **Course Title: Interior Design II**

Design principles, organization and spatial relationship patterns. Analysis of the structure (load bearing system) of given building. Study of function, ergonomics and circulation. Development of design criteria and design concept. Functional relationships among spaces, and spatial planning. Color applications. Medium size projects of medium complexity of commercial facilities.

**Course Code: INTD 221**                      **Course Title: History & Theory of Interiors II**

Survey of interiors from Baroque period to present; emphasis is placed on the relationship between the social, economic, political, and environmental factors, and the formation of architecture, interior spaces, interior surfaces, furniture, and ornamentation; presentation of theoretical discourse during the Nineteenth and Twentieth Centuries, leading to contemporary interiors design directions.

**Course Code: INTD 222**                      **Course Title: Materials and Methods of Construction I**

Introduction to structures as building sub-systems. Structural loads, basic states of structural stresses and forces. Structural systems and components: framed systems (columns, beams, slabs, and footings), bearing walls systems (walls, slabs, strip foundation), trussed systems, space frames, geodesic domes, arches, vaults, tents, pneumatic systems, shells and folded plates. Structural materials (reinforced concrete, metals, brick, concrete blocks, stone, and timber).

**Course Code: INTD 223**                      **Course Title: Computer Aided Interior Design**

Continuation of INTA 212 with emphasis on three dimensional AutoCAD drawing and modeling techniques. 3D Max visualization software. Use of the software to think in three dimensions, creation of 3D objects, standard drafting versus 3D techniques. Presentation of interiors as picture images and design prints enhanced by advanced Photoshop rendering and lighting techniques.

## COURSE DESCRIPTION

**Course Code: INTD 224****Course Title: Textiles**

Classification of textiles according to origin of their basic materials (natural fibers, manmade fibers, yarns, etc.). Fabric structure, fabric design (motifs, textures, layout, color application), fabric selection criteria and application for different uses. Specifications, and purchase order writing.

**Course Code: INTD 310****Course Title: Interior Design III**

Design Project focus on: Analysis of the structure of given building. Programming. Development of design concept and criteria. Selection of interior finishes, textiles, furniture and styles. Furniture arrangements and interior surface treatments. Projects of medium size with medium complexity for hospitality and educational facilities.

**Course Code: INTD 311****Course Title: History of Islamic Interiors**

Survey of Islamic interiors including examples from Umayyad, Abbasid, Moorish, Mogul, and Ottoman periods; emphasis on mosque and residential architectural types; Islamic ornamentation and calligraphy; influence of cultural and religious factors on Islamic interiors.

**Course Code: INTD 312****Course Title: Materials and Methods of Construction II**

Introduction to non-structural building sub-systems. Types of non-structural walls and partitions, windows, doors, stairs, ramps, and suspended ceilings. Related building materials (brick, concrete blocks, reinforced concrete, timber, metal, and plastic).

**Course Code: INTD 313****Course Title: Environmental Control Systems I**

Classification of environmental control systems. Passive climate control: thermal comfort conditions, heat transfer through walls and floors, selection of interior surface finishes in accordance with heat control, orientation of rooms with regard to solar radiation and wind control, air quality and natural ventilation. HVAC systems: their function, components, and system layouts. Illumination systems: visual comfort, day lighting, artificial lighting: light sources, lighting fixtures, lighting systems, lighting systems design and selection of interior finishes in accordance with required light reflectance. Integrated lighting.

**Course Code: INTD 314****Course Title: Computer Animations**

Introduction to digital animation. Concepts, theory, and aesthetics of digital design and animation, creating 2D elements and 3D models, applying surface materials, lighting, animation and rendering scenes. Video editing software (eg. Adobe Premier or Windows Movie Maker) may be used.

**Course Code: INTD 324****Course Title: Furniture Design**

Emphasis on innovation and creativity in the design of functional and aesthetically pleasing pieces of furniture. Appropriate materials and forms for the construction of custom furniture for specific uses. Detailing of custom furniture considering sustainable alternatives.

**Course Code: INTD 320****Course Title: Interior Design IV**

Emphasis on technical issues such as structures (strength and stability), characteristics of finishes, lighting and air conditioning systems. With regard to functional and aesthetical satisfaction, integration of the layouts of air diffusers, absorbers and lighting fixtures with furniture arrangement, floor and wall patterns and treatments. Projects of large scale with high level complexity for corporate and institutional facilities.

**Course Code: INTD 322****Course Title: Working Drawings**

Production of working drawing set for small projects. Detailing: connections of external wall and floor, connections of external wall and roofs, windows, external and internal doors, stairs, cabinetry. Structural plan and sections. Furniture, fixture and equipment organization plans and sections. Floor and wall tiling plan and elevations. Electrical, HVAC and plumbing layouts. Reflected ceiling plan (integration of lighting fixtures, air diffusers and

**Course Code: INTD 323****Course Title: Environmental Control Systems II**

Room acoustics, aural comfort, reverberation time and good hearing criteria for rooms of special purposes. Noise control. Selection of finishes in accordance with sound absorption and required reverberation time. Fire control. Passive fire control: escape routes, fire exits, compartmentation. Firefighting systems and equipment. Sanitary installations.

**Course Code: INTD 326****Course Title: Design, Culture & Environment**

Examination of the interrelationship among culture, environment, and design; issues of sustainability, globalization, identity, culture, and human behavior are addressed as forces in the formation of contemporary interiors; issues are discussed at both local and international scales.

**Course Code: INTD 325****Course Title: Interior Design Training**

Each student must participate in training program in the relevant industry where he is expected to gain practical experience.

**Course Code: INTD 410****Course Title: Interior Design V**

Comprehensive design with emphasis on socio-cultural and technical issues such as build-ability, sustainability, acoustics, noise control, firefighting and plumbing systems. Projects of large scale with high level complexity for Hospitality, Socio Cultural and Health care facilities.

**Course Code: INTD 411****Course Title: Graduation Project- Programming Stage**

Preparation of graduation project report to include the identification of graduation project, selection of interior spaces for the project, theoretical studies related to the topic of the project, analysis of users' characteristics and needs, development of project's program and functional relationships, identifying conceptual directions for the design, discussion of spatial qualities, color schemes, furniture, materials, and surface treatments appropriate for the project.

## COURSE DESCRIPTION

**Course Code: INTD 413**                      **Course Title: Management in Interior Design**

Planning, organizing and control of interior Architecture projects. Methods of task break-down, scheduling, cost analysis and cost estimation. Writing specifications. Types of bidding and preparation of bid documents. Facility management concerns in interior Architecture.

**Course Code: INTD 424**                      **Course Title: Interior Finishes**

Criteria for selection of finishes (durability, fire resistance, humidity resistance, heat storage, easy cleaning and maintenance, sound absorption and noise control, light reflection, prevention of air pollutants and mites). Wall finishes (brick and stone veneer, precast concrete, gypsum boards, ceramics, GRC, metals, wood, glass, plaster, paint), floor finishes (stone, ceramics, plastic tiling, wood parquet, terrazzo, carpeting), ceiling (plasters, paint, wood, suspended ceiling materials).

**Course Code: INTD 420**                      **Course Title: Graduation Project II -Design Stage**

A comprehensive Interior Design project based on the design program developed in the Programming Stage; project presents a synthesis of information acquired during previous semesters; and an opportunity to exhibit student's abilities as a designer and his/her personal ideology and beliefs in relation to interior Architecture.

**Course Code: INTD 422**                      **Course Title: Professional Practice & Documentation**

Basic principles, procedures of office systems of interior Architecture, types of professional practices, contracts and letters of agreement, responsibilities, professional ethics, portfolio review and development.

### ELECTIVE COURSES

**Course Code: INTD 414**                      **Course Title: Social and Cultural Factors in Design**

This course is an overview of significant social, cultural and human behavioral factors related to space. Major design problems and the influences of sociocultural issues are analysed in relation to space layout of the buildings. Reading, discussions, films, and empirical case studies/ assignments will focus on understanding different arrangements of spaces that influence social and cultural behaviors of the built environment.

**Course Code: INTD 415**                      **Course Title: Interior Planting & Courtyard Design**

Basic principles of garden and courtyard design. Functional, formal, and visual aspects of small open spaces. Interior planting (types, uses, care), composing with plant materials.

**Course Code: INTD 416**                      **Course Title: Architectural Design**

Definition of Architectural Design. Steps in Architectural Design. Similarities and differences between design processes in Interior Architecture and Architecture. A small size Architectural design project.

**Course Code: INTD 425**                      **Course Title: Islamic Ornamentation**

Definition and materials of ornamentation. Methods of ornamentation: carving, chiseling, embossing, engraving, painting, gilding, inlaying, marquetry, tapestry and cladding with mosaic, ceramic, brick, gypsum etc. Elements of Islamic ornamentation, motifs and patterns. Classification of motifs and patterns: Vegetal and floral patterns, geometric patterns, figural patterns, calligraphy. Exercises in developing different motifs and patterns.

**Course Code: INTD 427**                      **Course Title: Special Topics in Interior Design**

Flexible course in terms of topics in accordance with interests of faculty and students. Structured individually by instructors to provide special opportunities to explore specific topics in interior Architecture. Course topic subject to Program Council approval.

### LIBERAL ART COURSES

**Course Code: PHYCS 107**                      **Course Title: Physics for Building Design**

Fundamentals of heat transfer through building envelope: Air to air heat transmittance (U), internal and external surface conductance (h), thermal conductivities of building materials (k). Relationships between interior finishing materials and (U) values. Nature of light, light transmission, reflection and absorption. Basic properties of light (photometric quantities): Light intensity (I), luminous flux (lx), illumination level (E), luminance (L). Photometric laws: Abney's law, inverse square law, cosine law. Nature of sound: Audible sounds. Sound quantities: Sound intensity level (l) and sound pressure level (p). Sound reflection and absorption in enclosed spaces. Reverberant sound and reverberation time (RT). Sound transmissions through partitions and building envelope. Sound reduction index.

**Course Code: PSYC 103**                      **Course Title: Introduction to Psychology**

Principles and basic understanding in different psychology fields: behavior biological foundation, growth principles, education, motivation, reactions, comprehension, character, social aspects of behavior, tension and psychological health.

## COLLEGE REQUIREMENTS COURSES DESCRIPTIONS

**Course Code: CSC 103**

**Course Title:**

**Computer Programming for  
Scientists and Engineers**

Introduction to computers, their uses, development, components, hardware, and software. Internal representation and numbering systems. Algorithmic problem solving principles. Introduction to a modern programming language (e.g. C++). Input/Output, conditional statements, iteration, files, strings, functions and arrays. Lab assignments to practice programming.

**Course Code: ENGL 101**

**Course Title:**

**Communication Skills I**

This course focuses on reading skills and strategies and language development. The reading section concentrates on high-interest contemporary topics and encourages students to increase speed and efficiency. The writing component, integrated to the reading materials, reviews grammatical structures, develops language accuracy and introduces paragraph writing. Students are required to upgrade their grammar, reading, and listening skills on the internet.

**Course Code: ENGL 102**

**Course Title:**

**Composition and Reading II**

A continuation of English 101 which further develops the students' skills in reading and writing. The course exposes students to wider range of reading material aimed at developing their understanding of different styles of English.

**Course Code: MATHS 101**

**Course Title:**

**Calculus I**

Algebra. Functions and graphs. Trigonometry. Conic sections. Limits and continuity. Derivatives and integrals. Applications of derivatives which include mean value theorem, extrema of functions and optimization. Definite integrals and the Fundamental Theorem of Calculus.

**Course Code: MATHS 102**

**Course Title:**

**Calculus II**

Applications of definite integrals, including areas, volumes and surface areas of solids of revolution, arc length and centroids. Transcendental functions, indeterminate form and L'Hopital's Rule. Techniques of integration and improper integrals. Infinite series, power series. Maclaurin and Taylor Theorem.

## UNIVERSITY REQUIREMENTS COURSES DESCRIPTIONS

**Course Code: ARAB 110**

**Course Title:**

**Arabic Language Skills**

This course focuses on basic Arabic skills including form, function, and meaning. It also helps the student to appreciate and understand structures and approach them from a critical point of view, through various genres in literature.

**Course Code: HIST 122**

**Course Title:**

**Modern History of Bahrain and  
Citizenship**

Spatial identity of Bahrain: Brief history of Bahrain until the 18th century; the historical roots of the formation of the national identity of Bahrain since the 18th century; the modern state and evolution of constitutional life in Bahrain; the Arabic and Islamic dimensions of the identity of Bahrain; the core values of Bahrain's society and citizenship rights (legal, political, civil and economic); duties; responsibilities and community participation; economic change and development in Bahrain; Bahrain's Gulf, Arab and international relations.

**Course Code: HRLC 107**

**Course Title:**

**Human Rights**

This course deals with the principles of human rights in terms of the definition of human rights, scope, sources with a focus on the International Bill of Human Rights; The Charter of the United Nations; Universal Declaration of Human Rights; The International Covenant on Economics, Social and Culture rights; Convention against Torture and other Cruel, Inhuman or Degrading Treatment or Punishment; Mechanics and the Constitutional Protection of Rights and Public Freedoms in Kingdom of Bahrain.

**Course Code: ISLM 101**

**Course Title:**

**Islamic Culture**

An introduction to the general outline and principles of Islamic culture, its general characteristics, its relationships with other cultures, general principles of Islam in beliefs, worship, legislation and ethics.

THE FACULTY



## THE FACULTY



**Dr Haifa Al Khalifa, BSc., MBA., PhD**  
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**Interior Design and Landscape Architecture**  
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Dr. Haifa Al Khalifa is the Chairwoman of the Department of Architecture and Interior Design since December 2019. She holds a Bachelor's Degree of Science in Interior Architecture from Imam Abdulrahman Bin Faisal University and a Master's Degree in Business Administration (MBA) from New York Institute of Technology. She earned her PhD in architecture from the university of Cardiff in 2017 with specialisation in History of Islamic Architecture. She is the Chair for the research lab of culture and architectural aspects and her primary areas of research include the history and historiography of Islamic architecture, cultures, Islamic art, urban history and traditional architecture of the Arabian Gulf region and the architecture of the contemporary mosque. Dr. Haifa Al-Khalifa was the Program Coordinator of interior design program from September 2018 to December 2019 and held the Chair position for the CIDA accreditation committee for the interior Design Programme. She is available at 33-103.



**Dr Reem Sultan, BSc., MA, PhD.**  
**Assistant Professor**  
**Interior Design Program Coordinator**  
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Reem Sultan is an Assistant Professor in the Interior Design Program. Her research and teaching combine the interest in design education spaces, spatial perception and design process and thinking, and thus reflected on her PhD research which has been completed in 2018 under the title: Design Studios: Understanding Relations Between Built Environment, Learning and Behaviors. Before joining the University of Bahrain, Reem has been practicing Interior Design in the field. Her background in Interior Design from the University of Bahrain, with a master's degree in Design for Services from Duncan of Jordan stone College of Art and Design (University of Dundee, UK), as well as MBA in project management (AMAIU, Bahrain).

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***“DESIGN JURIES  
ARE THE MOST  
EXCITING  
TIMES OF THE  
SEMESTER”***

"The courses are always inspiring and stimulating, even the elective courses include a variety of projects that explore the diverse aspects of design and expose students to different realms where they can think outside the box. Each faculty member has something unique to offer. Surely the experience of a design student includes areas of inspiration, innovation, and fun!"



## DESIGN STUDIOS

The design studios are treated as places of serious learning more than as places for fun. Students attend them regularly and attendance is registered. Students may occupy specific places when they work in the studios. We consider studios as places with individual spaces in shared settings. Each student will have a drawing board, a desk and a swivel chair and access to power supply for the use of personal computers. The university does not provide the computers but students may possess their own laptops.

The students are expected to attend the studios on time. It is the university policy that this attendance is compulsory and any failure beyond a certain percentage will disqualify a student from being graded. Once when the students are in the studio, they will usually stay the full period except break-time, either working on their own or in-group, supervised by one or more design instructors.



## STUDIO POLICY

The students are expected to come prepared to learn and bring to the studios their past work, in drawings sketches or laptops and actively participate in the discussions of the studios. They are expected to actively seek tutoring by the instructors. The studio work is assessed and in the grading system, there is an instructor's share of 20% for studio performance. This may involve attendance, working in the studios and progress being made. The students are expected to participate in the collective, mid-semester design juries, in making presentations, or in commenting on other students' work.

Design studios are often typified by group work where pre-design development will involve a number of groups researching and developing different aspects of a project and sharing the knowledge gained. Nevertheless, progress is made as individuals, whose achievements are also evaluated often as individual achievements.



A studio culture policy is generally implemented by the Faculty teaching studios and classes as well as by the students themselves. The university administration is not involved in its implementation except when a student or Faculty member raises an issue. When issues arise, the procedure is: if it involves students, the instructor responsible for the class/studio takes up the matter; if the matter involves both students and faculty, it is taken up by the Coordinator of the Program in consultation with the Chair.

## STUDIOS & CLASSROOMS



Interior Design studios and classrooms are located in buildings scattered around the Isa Town Campus. Please see the map above for locations. The facilities used by the Department of Architecture, Interior Design and Landscape Architecture are distributed between six buildings (15, 27, 27a, 28, 33, & 35) all at Isa Town Campus. In addition, there are halls (12, 16, and hall 126 in building 36) that can be occasionally booked for events such as Design Juries or public lectures. Architecture Main Office is situated in Building 33 which has a courtyard. The courtyard is often a place where exhibitions and other social events take place.

## CAMPUS LIFE

### GATHERING PLACES

Apart from the studios and classrooms, the Isa Town campus has a number of common spaces where students can gather together and work together. They are the Library and the cafeterias. Design studios or classrooms can also be used if they are available.



### WORKING LATE HOURS

Students are entitled to use the spaces of the University under the supervision of an instructor until 7.00 PM on any working day. No student will be allowed to stay after 7.00 without permission and without the presence of an instructor.



### WORKING ON WEEKENDS

Sometimes students may want to come to the university on week-ends. This is permitted provided there is a written approval from security and an instructor is present. Such requests must be approved by an instructor and the Chair. Any such requests must be made before 12.00 AM on Thursdays.



## DESIGN JURIES

Design projects are always evaluated at 'Design Juries' which involves a student presenting the graphically produced design proposal explained verbally. The verbal presentation involves theoretical and philosophical ideas as well as explanations of practical aspects such as construction details, furniture arrangements, contextual relationships etc. Usually there are three juries for a given Design Studio: two are throughout the Semester – Home and Mid Term Jury; and another at the end of the semester – Final Jury. A jury panel is comprised of the instructor who taught the course and external 'jurors' who will criticise the student's work while evaluating and offering feedback.



## COLLABORATION & SHARING OF KNOWLEDGE



University is a place where students acquire knowledge and learning individually as well as collectively. Studios and classrooms only provide guidance and the students must endeavour to actively seek knowledge collectively outside the studio and class times. In addition, many faculty members create collaborations with furniture companies and suppliers as part of the university courses as well as curating exhibitions to share their knowledge inside campus and the public venues.

## EDUCATIONAL TRIPS

During their study, students may organize in collaboration with faculty educational trips during their official breaks or for occasional events related to design. Educational trips are usually partially or fully sponsored by a third party. It can include destinations around the GCC or Europe, or events such as Design Weeks or symposiums. Organizing trips as part of the students' educational experiences strengthen their awareness of the world outside university and help in improving their confidence in communicating with people and networking, which are ultimately lead to foster leading designers and aspiring entrepreneurs. The trips are carefully planned with full supervision from faculty members during the trip.



## TRAINING & INTERNSHIPS

All students following the Bachelor of Interior Design program are offered a single period of training in a design office either in the private sector or in the public sector during one of the summer semesters. The intention is to enable the student to understand how design is practiced outside in the real world where one gains hands on experience in working in an office or at a site. The course is carefully planned, through which the students are placed in an organisation under the supervision of an interior designer. The Training Coordinators will monitor the student's progress and the student is required to submit a report at the end of the training. This work is assessed and a student has to pass the Training to graduate.



## POTENTIAL OCCUPATIONS AND LEARNING PATHWAYS

### POTENTIAL OCCUPATIONS

- 1) Interior designer in an office
- 2) Co-founder of a design company
- 3) Freelance interior designer
- 4) Teacher at a school
- 5) Instructor at a University
- 6) Sales designer
- 7) Graphic designer
- 8) Showroom manager
- 9) Furniture designer

### POTENTIAL LEARNING PATHWAYS

- 1) Master's in Engineering Management
- 2) Master's in Design
- 3) Master's in Urban Design
- 4) Master's in Architectural Design
- 5) Master's in Interior Design
- 6) Master's Product Design
- 7) Master of Business Administration/Project Management
- 8) Master's in Design for Services
- 9) Master's in Design Management

## WORK ETHICS

### CHEATING



The university considers academic integrity important, and cheating at examinations a serious offence. It imposes heavy penalties for cheating. Hence, a week prior to the examination, a policy statement is circulated in the campus and an announcement is displayed at designated locations outlining this policy. The examiners and invigilators report such matters to the disciplinary committee who will penalise the students found guilty.

### PLAGIARISM



Submission of any material not authored by the student for an examination or assignment is considered plagiarism; In written text, work of others must be properly acknowledged academically. If found to have been plagiarised, a student is penalised by failing the assignment; assessment task or the entire course. Please consult your instructors for plagiarism rules.

## IMPORTANT NOTES

### REGISTRATION

University registration takes place in a number of cycles; pre-registration and registration immediately prior to the start of a semester. You could access the SIS system using your student ID and password to access the system and register. Please consult your advisor before deciding the courses to register. Please follow the program as planned, to avoid delays and registration issues.

### ADVISORS

Immediately after admission, each student is assigned an academic advisor by the Department. The name appears in your SIS data and please make contact with your advisor and follow his/her advise on all academic matters. Any issue of registration, program, courses or academic performance must be communicated to and discussed with the advisor. A student cannot graduate without the approval of the advisor.

### GRIEVANCES

During the university life, a student may encounter issues such as the conduct of the courses, grading that need and special care and listening to. A student has a right to file a request for re-correction of grades, if he/she feels that an instructor has penalized the student, or graded the student unfairly for whatever reasons. In such a situation, a student can, by paying a fee of 10 BD, request for the revision of the grades at the end of a semester. The department entertains all such requests and appoints at the end of every semester a committee to re-examine and propose revisions to the grades if necessary. Similarly, if a student has been dismissed from the university due to any reason, he/she is entitled to submit a petition to consider re-admission. Please consult the registration for such issues.

## BECOMING A DESIGNER

Becoming an interior designer is a long and arduous process. The central area of study is design and to acquire design sensitivity, a student must actively engage in the experience of design. This involves understanding what is happening in the world of architecture and design, visiting buildings and engaging in intellectual discussions on design. There are plenty of opportunities available such as attending interior design juries, exhibitions and many other activities organized by the AIA(S) which is the student body that promotes informal learning.

### Thinking Like a Designer

The most significant trait of an interior designer is the ability to think like a designer. This means to think out of the box, challenge accepted notions and become imaginative and creative. Other disciplines such as art, drama, music and painting as well as psychology and sociology help in these endeavours. It is in the hands of the students to search for opportunities and acquire the skills to learn to think like an Interior Designer.



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ALUMNI  
STORIES

**Ali Alnajar**  
Interior Design Graduate of 2012

Ali Alnajar grew up an artist and had a passion for design throughout his entire life. His career started as a kid sketching cartoons on anything that has a surface. Graduating from the Interior Design program in 2012 from the University of Bahrain and being the first male to be enrolled in the program and further on graduating from Masters of Urban Design from the University of Colorado, Denver as a Fulbright Alumni; Ali has set himself to always strive to be unique and stand out with his designs and career path. Believing that design is the answer to solve social and cultural challenges in societies as well as better understand of anthropology.

Currently Ali is working at IKEA Bahrain as the design manager, where he has been since 2018 as part of the IKEA build up team. His new passion for retail interior linked with understanding the buying behavior of the society has led to a new learning curve within consumer design.

ALUMNI  
STORIES

**Amal Attiya**  
Interior Design Graduate of 2013

An enthusiastic Bahraini creative designer with an interest in sustainability, technology and space psychology, passionate about engaging with the world through experiencing surroundings and studying human behaviour. After graduating from Bachelor of Science in Interior Design from the University of Bahrain in 2013, Amal completed her Master's degree with distinction in Product Design from Birmingham City University in the United Kingdom in 2015, focusing on creating the best user experience for sustainable online packaging.

Throughout her journey in teaching interior design in the University of Bahrain from 2015 to 2018, she discovered how influential she can be with delivering knowledge to young designers, believing that one teacher can change a student's life forever. Amal is currently an interior design lecturer in Ahlia University as being a teacher became who she is, rather than what she does.

