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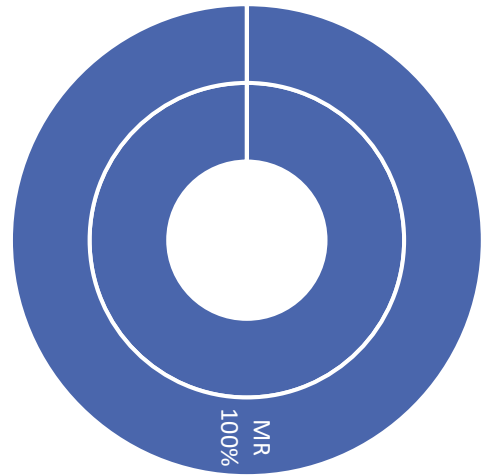
# Doctor of Philosophy in Architecture 2022 (PhD.Arch)

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## Doctor of Philosophy in Architecture Program 2022 Onwards

### Program Components

Course Type	CRD
University Requirements (UR)	0
Major Requirement (MR)	75
Major Elective (ME)	0
Major Support Requirement (MSR)	0
Minor Requirements (Minor)	0
Training (T)	0
Total Credits (CRD)	75



### Background:

The University of Bahrain has been a leader in architectural education for over thirty years, successfully graduating numerous students with a Bachelor's degree in Architecture. In addition, it offers a Bachelor's degree in Interior Design and has introduced a Master of Architecture program since 2020. Many graduates in Architecture and Interior Design have pursued postgraduate qualifications abroad; however, there remains a significant demand for advanced degree programs in Architecture, Interior Design, and Landscape Architecture locally. For those unable to travel overseas for such qualifications, the University of Bahrain aims to fulfill this need by providing high-quality postgraduate programs. In response to this demand, the Department of Architecture proposed establishing a Doctor of Philosophy (PhD) program in Architecture in 2022, making it the first of its kind in the Kingdom of Bahrain. This program offers a unique opportunity for graduate students in architecture and related fields to further their studies and for architects from GCC countries to participate. The PhD program encompasses a comprehensive curriculum that includes a variety of courses and self-directed learning opportunities. This innovative teaching approach enables students to engage in advanced research activities, fostering the discovery and creation of new knowledge—an essential requirement for earning a PhD degree.

### Admission Requirements

Applicants must adhere to the established admission rules and regulations to be considered for the Doctor of Philosophy (PhD) Program in Architecture at the University of Bahrain. This includes holding a bachelor's degree in architecture or disciplines related to the built environment with a minimum GPA of 2.67, as well as a master's degree in architecture from the University of Bahrain or another recognized institution with a GPA of at least 3.00 on a 4.00 scale, or its equivalent in other grading systems. Applicants with qualifications in related fields such as urban design, housing, or heritage conservation may also apply. Still, their admission will be evaluated case-by-case, which may

involve completing specific prerequisite courses. Furthermore, candidates must submit two letters of recommendation from previous academics and successfully pass an interview to demonstrate their readiness for PhD-level study, as outlined in Article 12 of the UoB Higher Studies Regulations. Additionally, proficiency in English must be demonstrated through an acceptable formal qualification, such as an IELTS score of 6.5, an IBT score of 100, or a TOEFL score of 600.

## **Degree-Awarding Requirements (Graduation Requirements)**

A candidate who has achieved the following will receive the PhD degree.

- A candidate should complete all the supplementary courses (27 credits) and present a thesis based on original research and defend it at a VIVA (48 Credits)
- A candidate should achieve a cumulative GPA of 3.00 out of 4.00 for all the courses except the thesis and a grade for thesis as PASS (UoB Higher Studies Regulations Article 28 as revised)
- A candidate must complete the program in a minimum of 7 semesters and a maximum of 12 semesters to receive a PhD (UoB Higher Studies Regulations Article 29).

## **PROGRAM OBJECTIVES**

*PEOs* are to enable the students,

1. Become accomplished and independent professionals capable of linking architectural knowledge to rigorous and advanced approaches to scholarship.
2. Make original contributions to the current state of discussion of theory and methods in architecture through research, research-based practice and teaching.
3. Become ethical and responsible individuals capable of assuming positions of leadership in the profession and the community.

## **RESEARCH CAPABILITIES**

The program is structured to inculcate in the students, the ability to conduct groundbreaking research and produce outstanding research outcomes. The program is systematically structured to provide the students with the opportunities for the following.

Semester 1: Demonstrate Detailed Critical knowledge.

Semester 2: Acquisition of Highly Specialized and Expert Skills in analytical methods.

Semester 3: Demonstrate Creatively and Originality in the Development of New Knowledge understanding.

Semester 4: Use a Combination of Approaches to Critically Analyze, Evaluate and/or Synthesize Complex Ideas and Information to Develop Creative and Original responses to Issues;

Semester 5, 6 & 7: Preparation of the PhD Thesis to Communicate Results of Research and Innovation to Peers and Others

It comprises of courses to enhance the following scientific endeavors.

1. Critique scientific literature.
2. Recognize contemporary issues, as related to architecture.
3. Conduct scientific research.
4. Produce new scientific paradigms.
5. Produce new knowledge.
6. Produce research papers for publication in journals.
7. Produce scientific papers for presentation at conferences.
8. Communicate research outcomes academically and scientifically through a thesis

## Detailed Study Plan

### Year 1 - Semester 1 (September – January)

Course Code	Course Title	Course Hours			Course Type	Pre requisite
		Lecture	studio	CRD		
ARCH710	Critical Readings of Theory	3	0	3	MR	None
ARCH711	Advanced Research Methods	3	0	3	MR	None
ARCH712	Contemporary Issues	3	0	3	MR	None
	Total	9	0	9		

### Year 1 - Semester 2 (February – June)

Course Code	Course Title	Course Hours			Course Type	Pre requisite
		Lecture	studio	CRD		
ARCH720	Research Seminars	3	0	3	MR	ARCH711
ARCH721	Applied Statistical Techniques	3	0	3	MR	ARCH711
ARCH722	Qualitative Data Analysis	3	0	3	MR	ARCH711
ARCH723	Phenomenological & Environment Behaviour Research	3	0	3	MR	ARCH711
	Total	12	0	12		

### Year 2 - Semester 3 (September – January)

Course Code	Course Title	Course Hours			Course Type	Pre requisite
		Lecture	studio	CRD		
ARCH730	Pre-Thesis	3	0	3	MR	ARCH720
ARCH731	Research and Design	3	0	3	MR	ARCH723
	Total	6	0	6		

**Year 2 - Semester 4 to Year 4 - Semester 1**

Course Code	Course Title	Course Hours			Course Type	Pre requisite
		Lecture	studio	CRD		
ARCH780	Thesis	0	0	48	MR	
	Total	6	0	48		

**Courses Descriptions:**

**Major Requirement Courses Descriptions (MR):**

<b>Course Code:</b>	ARCH 710	<b>Course Title</b>	<b>Critical Readings of Theory</b>
<b>Course Description:</b>	This course aims to engage the students in critical reading to explore, identify and acquire detailed knowledge on theoretical standpoints and their variants: observation and delineation of ideas, ideological standpoints and theories available in a multitude of disciplines such as architecture, phenomenology, environment behavior studies, people-place studies, social geography, psychology and philosophy .		

<b>Course Code:</b>	<b>ARCH 711</b>	<b>Course Title:</b>	<b>Advanced Research Methods</b>
<b>Course Description:</b>	This course provides an introduction to all design professions, from Architecture to Landscape Architecture, and presents an overview of the ways in which design plays roles in society. It will focus on the reciprocal relations between objects & spaces and people & communities. It intends to construct a view of design having to respond to culture, tradition, customs, and beliefs as well as the needs and wants of people guided by design philosophies.		

<b>Course Code:</b>	<b>ARCH 712</b>	<b>Course Title:</b>	<b>Contemporary Issues</b>
<b>Course Description:</b>	This course aims to enable the students to acquire detailed knowledge of nuances of contemporary issues confronting societies across the globe in general and the Gulf, in particular, related to social, cultural, spatial, environmental, and geographical phenomena (globalization, migration, sustainability, deforestation, climate change, poverty, natural and man-made disasters, wars, heritage conservation and preservation etc.		

<b>Course Code:</b>	<b>ARCH 720</b>	<b>Course Title:</b>	<b>Research Seminars</b>
<b>Course Description:</b>	This course requires the students to demonstrate highly advanced skills in presenting a series of seminars on different aspects of the research along with ideas delineated from published material to peers, supervisors, and others to establish the nature of previous research and test the intellectual rigor, as well as the value and significance of the research being pursued.		

<b>Course Code:</b>	<b>ARCH 721</b>	<b>Course Title:</b>	<b>Applied Statistical Techniques</b>
<b>Course Description:</b>	This course aims to impart highly advanced skills in quantitative research and analytical methods. It offers detailed knowledge on descriptive and inference statistics, hypothesis testing, confidence intervals, processing and analysis of research data using different parametric and nonparametric statistical methods, regression analysis for linear and nonlinear models, and introduction to the design of Geographical Information Systems (GIS) to generate and analyze data, principles, and methods of space syntax analysis.		

<b>Course Code:</b>	<b>ARCH 722</b>	<b>Course Title:</b>	<b>Qualitative Data Analysis</b>
<b>Course Description:</b>	This course aims to impart highly advanced skills in qualitative research analytical methods such as Exploratory Data Analysis (EDA), thematic analysis involving the ordering of the findings into descriptive categories or themes, and Narrative analysis based on descriptive accounts and lived experience.		

<b>Course Code:</b>	<b>ARCH 723</b>	<b>Course Title:</b>	<b>Phenomenological &amp; Environment-Behaviour Research</b>
<b>Course Description:</b>	This course aims to impart detailed Knowledge of phenomenological and environment-behavior research looking into people-place transactions in different cultural contexts. The students should demonstrate advanced knowledge in employing notions such as privacy, territoriality, identity, sense of place, rootedness, being in the world, a hierarchy of psychological needs, and their manifestations in the built environment. The students should demonstrate advanced knowledge of previous research and techniques.		

<b>Course Code:</b>	<b>ARCH 730</b>	<b>Course Title:</b>	<b>Pre-Thesis</b>
<b>Course Description:</b>	This course aims to guide the students to develop the research proposal: articulate the issue and set research questions and hypotheses (if any). The students should conduct a preliminary literature review and produce a theoretical basis for the research. A student should also articulate research methods appropriate for the issue being investigated		

<b>Course Code:</b>	<b>ARCH 731</b>	<b>Course Title:</b>	<b>Research &amp; Design</b>
<b>Course Description:</b>	This course aims to impart detailed Knowledge of the notion of “evidence-based design” and demonstrate how new knowledge and understanding should contribute to enhance design. The students should demonstrate how design processes engage research-based evidence: Research by Design, Research about Design and Research for Design, UX (User Experience) research to enhance design.		

<b>Course Code:</b>	<b>ARCH 780</b>	<b>Course Title:</b>	<b>Thesis</b>
<b>Course Description:</b>	The PhD Thesis course offers students the opportunity to engage in rigorous analysis of a specific Architectural topic or research problem within their field. Building upon the research proposal developed in the pre-thesis course, students will conduct comprehensive research, gather and analyze data, and ultimately submit their final thesis. Students are expected to produce a final thesis that demonstrates originality, creativity, and significant contributions to their chosen topic area.		

#### FACULTY

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#### GET IN TOUCH

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