Ph.D. Courses - Specification

Semester 1 :

ARC- 701   Philosophy of Architecture

The course aim generally to create an architectural logic in philosophy and the occurrence of events, to question the researcher on multi levels

- is a requirement for the researcher in the philosophy of architecture.
- is there a correct architecture and other false.
- is the movement in an integrated architecture or Accepted decadence.
- How can the use of the arbitrator and the symmetric in the impact of architecture and directions.
- Could you choose a specific method, and the mistakes that accompanied?
- How can identify the four parties in the interpretation of architecture and its movements.
- Can you prepare a guide in interpreting the philosophy of architecture (latent and the apparent system).
- Can you interpret the issues concerning the architecture under four reasons.
- The adoption of the statement of one of the pioneers of architecture you can take a stand.
- Create initial perceptions in the Composition of of four parts.

ARC- 702   Research Theory

The aim of this course is to clarify The nature and role of architectural research, as conducted in the academy and practice, and who it is gradually shifted over the decade according to different methodologies.

ARC- 703   Urban design Theory

The course concern with theories and dimensions of urban design: Changes and transformation in urban design.

ARC- 704   Architecture and Environment

The course aims to identify scientific and intellectual aspects that make design work fit its environment, and discuss the scientific basis for the vocabulary that had previously successfully performed in traditional architecture and methods for employing those vocabulary modernly.

ARC- 705	Elective course (1)
ARC 706	Elective course (2)

The Elective Courses are:

- ### Statistic Analysis:

The course aim to introduce student to the following subjects: Statistics is concerned with scientific methods for collecting, organizing, summarizing, presenting and analyzing data as well as deriving valid conclusions and making reasonable decisions on the basis of this analysis. Statistics is concerned with the systematic collection of numerical data and its interpretation.

- ### Urban Management:

The course aim generally to identify the following items for the students:

Identify the relationship between intelligent systems and knowledge cities, and also identify the urban management, which specializes in intelligent systems in the knowledge cities through the pillars of the knowledge society. Finally identify the intelligent systems at different levels for the growth of cities.

- ### Concept of City:

This course aims to search in all aspects of the city in order to understand the concept behind it . It aims to also to search behind the changes in the concept of the city and the presence of the conditions of change . Finally , it aims to discover the techniques of how the change should respects the city identity and personality and history and physical topics.

ARC- 707   English Language Techniques

The aim of this course is to develop researcher ability to understand and interpretive English texts and literature, and to enhance their Communication Skills This would be by taking many items like: Technical Vocabulary, Essay Writing, Business Writing, Technical Writing, Effective Communication, and Presentation Skills.

Semester 2 :

ARC- 708   Theory Of Architecture

The course focuses on presenting a wide range of architecture theory, in general, and the theory of architecture in the late 20th century and up to the present, in particular, through the axes shown in the weekly schedule.

ARC- 709   Architectural Research Philosophy

The purpose of this research philosophy is to introduce the student to the most important concepts that aim to explore the nature of the relationship between the three which form the subject matter of philosophy, research and architecture through the system of survey and inquiry about the most important concepts adopted by researchers in the doctoral stage and within the architectural specialization and discuss the dimensions of the relationship and its effects on Specific methodologies in writing doctoral thesis.

ARC- 710   Architectural Technology Thought

Contemporary architectural practice in which digital technologies radically change how buildings are designed, designed and produced. It discusses digitally-driven changes, their origins, and their effects by grounding them into actual practices that are already occurring, while speculating at the same time about their wider effects in the future. The course offers a variety of ideas about what is relevant today and what will be related tomorrow to emerging architectural practices in the digital age.

ARC- 711   Theory of Criticism

- The aim of the course is to introduce the student to the theories of criticism and its origins, and to indicate the importance and need for criticism in all directions of knowledge, including architecture.
- The aim of the article to keep up with the emergence of contemporary theories and trends and their applications and to show their relevance to the thought that I created

- The aim of the course is to build a knowledge base for the student through which he can critique theories and intellectual orientations
- Formation of a philosophical philosophical knowledge base through which the student can analyze the ideas and writings and show the viewer without the influences of the school to which he belongs.
    - Teaching a PhD student how to write articles in the field of specialization.

ARC- 712   Elective course (1)

The Elective Courses are

- ## Environmental psychology:

It deals with environmental psychology, design and psychological factors affecting human perception and the mechanisms of human perception of the surrounding space. And the development of human perception of the various environmental elements. Emphasis on the reinterpretation of the design process through the use of perception and perception, and linked to various cultural and civilizational aspects.

- ## The Aesthetics of place

Introducing the principles of beauty and beauty philosophy and its association with the city's beauties, urban design and sensory perception.

ARC 713   Elective course (2)

The Elective Courses are:

- ## probability theory:

To introduce the student to the general framework of the design approaches in the building and the possibility of linking them to the subject of possibilities.

To introduce the student to the most important vocabulary of intellectual ideas in the building concerned with aspects of design studies from a probabilistic perspective.

Introducing the student to the most important vocabulary of the subject of possibilities.

Introducing the student to the general foundations of probability theories.

- ## Systems transformation:

The course aims to give a definition of the concept of the system, the concept of transformations and systems of complexity in architecture, and the types of geometries accompanying them, as well as exploring their potential in the analysis of architectural systems and the generation of other systems.

- ## Practice the ethics of architecture:

- Understanding the basic forms of professional behavior. This category covers issues related to professional life in general, such as honesty, fair dealing and promises, earning and maintaining sufficient skills to perform tasks efficiently. Is architecture a personal practice or is it a socio-cultural phenomenon?

- Increasing the student's knowledge of the theoretical principles of thinking about moral values and their sources through the connection of this subject to several aspects of methodology and analysis in light of the data and elements of thought and reality. And the extent of influence of moral doctrines in the formulation of formal structure and architectural formations.

- Revealing the role of moral action in the structure of Arab Islamic architecture and deconstruction, and its role in shaping the architecture in general.

- Building an architectural moral approach and adopting it as a destination for the generation of architects and employing it to create an intellectual basis based on the design readings to achieve the architecture with ethical function.

- ## Philosophy Architecture Search:

  - Orientation of new mechanisms in research. Consistent with perceptions of other knowledge.

  - The search for curricula, develop multiple thinking patterns depending on the change of the situation studied.

  - Review studies and research that deal with architecture as an influential phenomenon in the social sphere. As well as its built environment.

  - Building theoretical models by adopting the philosophy of formation and dealing with its variants. Ensuring an increase in theoretical and applied knowledge. And their aspects related to research problems in the community.

  - Emphasize the role of the researcher in the impact of society, and what is the role of positive in its behavior and practical work with members of the community.

  - Exposure to theories that mimic the research output in architecture and the possibilities of interpretation.

  - Development of mental capacity to build architectural approaches related to topics related to the competence of architecture and its use in building the intellectual bases of the student researcher, towards reading the structure of research output of public benefit.

ARC- 714   English Language Techniques

The aim of this course is to develop researcher ability to understand and interpretive English texts and literature, and to enhance their Communication Skills This would be by taking many items like: Technical Vocabulary, Essay Writing, Business Writing, Technical Writing, Effective Communication, and Presentation Skills.