King Fahd University of Petroleum & Minerals

College of Environmental Design

Department of Architecture

**ARC132 Man and Built Environment**

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**Course Syllabus**

**Introduction**

This course constitutes an investigation into the design factors necessary for human living. It looks at the design of the built environment with emphasis on human needs and how the social sciences can contribute to architectural design and practice. The influence of other factors such as climate, materials, technology, and physical context are considered, and design principles are formulated from cross-cultural examples of world architecture.

**Course Objectives**

1 Recognizing the concepts and relationships between built environment and human needs and behavior.

2 Realizing the impact of different cultural factors on shaping the built environment.

3 Identifying the design components of the built environment.

4 Recognizing the design principles and values of the built environment from various approaches and traditions.

5 Identifying the role of design professionals in the built environment.

6 Distinguishing the phases of architectural design process and importance of design creativity.ثس شىي فقشيهفهخىسزious approachiles and values of the built environment from various approachisvior.dered, and design principle

**Course Evaluation**

Attendance 10%

Assignments 15%

Participation & Notes taking 5%

Term paper or project 20%

Mid-term Exam 20%

Final Exam 30%

**Textbook**

The Built Environment: A Collaborative Inquiry into Design and Planning, Second Edition.

Other required references will be referred to during the course.

**Course Outline**

1 The built environment: definition and scope

2 Traditions in the built environment

3 Human-Environmental relationships

4 Designing with the intrinsic organization in the built environment

5 People perception and participation

6 Design components in the built environment (product, interior design, …etc.)

7 Building as a response to: Human social and cultural factors, human and environmental factors, technological and creative process

8 Design principles and concepts of the built environment

9 Islamic values in designing the built environment

10 Aesthetics of the built environment

11 Human culture and urban form

12 Creativity and the architectural design process

13 Analysis and evaluation of the built environment

14 Understanding designer's role in the built environment