**University of Management and Technology**

**School of Architecture & Planning**

**Department of Architecture**

Course code: **AR613** Course title: **architectural design**

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| Program | **M-Arch** |
| Credit Hours | **0+3** |
| Duration | One Semester |
| Prerequisites | nil |
| Resource Person | **Please see office window** |
| Counseling Timing | As per timetable |
| Contact | - |

**Resource Person’s Signature …………………….**

**Chairman/Director signature………………………………….**

**Dean’s signature…………………………… Date………………………………………….**

**Learning Objective:**

**AR-613:** **architectural design**

**Objectives:**

This course is designed to introduce students to the professional practice and scholarship of architectural design with specific emphasis on Design Methodologies and critical analysis of design issues.

1. To inculcate advanced architectural design skills within the program. The translation from conceptual to physical design needs to demonstrate intricate and enhanced understanding of architectural pragmatic factors.
2. To develop capacity building within design domain.

**Syllabus:**

1. Define the advanced learning skills within studio culture.
2. Understand the interlinking of various architectural domain and bringing it together within studio pedagogy
3. Discuss the architectural landscape of the country and its enhancement through contemporary design understanding. The architectural texts have to be taken into account.
4. Apply advanced design analysis methods and contemporary techniques.
5. Compare theoretical rationale and its relationship with design
6. Evaluate the design outcome along with self evaluatory process within design development.

**Learning Methodology:**

* Studio Based learning (at least 80% time to be consumed within studio)
* Lecture
* Reading Assignments
* Guest Speaker
* Field Visits
* Writing Assignments
* Seminar based learning

**Grade Evaluation Criteria**

Following is the criteria for the distribution of marks to evaluate final grade in a semester.

**Marks Evaluation Marks in percentage**

Quizzes 5%

Assignments 10%

Mid Term 20%

Term Project 15%

Final exam 50%

Total 100%

**Recommended Text Books:**

Selections from the works of following authors and other theoreticians, practitioners to be taken into consideration:

• Aldo Rossi

• Christopher Alexander

• Keith Crislow

• Nader Ardalan

• Manfredo Tafuri

• Rem Koolhaus

• Neil Leach

• Hussain Nasr

• Laila Bakhtiar

• Eba Koch

• Bow Wow

• Hasan Fathy

• Geoffary Bawa

• Vibhuti Chakrabarti

• Farshad Moussavi

• Andrea Palladio

• Denis Scott Brown

• Robert Ventur

**Calendar of Course contents to be covered during Semester**

**Course Code: AR613**

**Course Title: architectural design**

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| **Week** | **Course Contents** | **Reference Projects** |
| 1 | Understand the explorations within the contemporary design development studies. | Discovering Design: Explorations in Design Studies  Edited by Richard Buchanan and Victor Margolin  Pakistan Architects Projects |
| 2 | Understand the explorations within the contemporary design development studies. | Discovering Design: Explorations in Design Studies  Edited by Richard Buchanan and Victor Margolin  Pakistan Architects Projects |
| 3 | Inter-relate the architectural texts relevant with the expertise of program within studio learning. | Towards a New Architecture by Le Corbusier  Pakistan Architects Projects |
| 4 | Inter-relate the architectural texts relevant with the expertise of program within studio learning. | Architecture: Form, Space, & Order by Francis D.K. Ching  Pakistan Architects Projects |
| 5 | Inter-relate the architectural texts relevant with the expertise of program within studio learning. | S,M,L,XL by Rem Koolhaas, Bruce Mau, and Hans Werlemann  Pakistan Architects Projects |
| 6 | Interlinking theory based learning with spatial articulation. | A Pattern Language: Towns, Buildings, Construction by Christopher Alexander, Sara Ishikawa, Murray Silverstein, Max Jacobson, Ingrid Fiksdahl-King, and Shlomo Angel |
| 7 | Interlinking theory based learning with spatial articulation. | A Pattern Language: Towns, Buildings, Construction by Christopher Alexander, Sara Ishikawa, Murray Silverstein, Max Jacobson, Ingrid Fiksdahl-King, and Shlomo Angel |
| 8 | Mid Term Examination | Project Presentations |
| 9 | Cohesive integration of multiple architectural pragmatic factors to produce design decisions based on programs ideology. | <https://iep.utm.edu/philosophy-of-architecture/> |

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| 10 | Cohesive integration of multiple architectural pragmatic factors to produce design decisions based on programs ideology. | <https://iep.utm.edu/philosophy-of-architecture/> |
| 11 | Cohesive integration of multiple architectural pragmatic factors to produce design decisions based on programs ideology. | <https://iep.utm.edu/philosophy-of-architecture/> |
| 12 | Self evaluatory knowledge of architectural design outcome. Understanding of design analytical techniques. | Project Presentations |
| 13 | Self evaluatory knowledge of architectural design outcome. Understanding of design analytical techniques. | Pakistan Architects Projects |
| 14 | Self evaluatory knowledge of architectural design outcome. Understanding of design analytical techniques. | Pakistan Architects Projects |
| 15 | Final Project Discussions | Project Presentations |
| 16 | Final Project Presentations | Project Presentations |