**Course code:** AR-419  **Course title:** Landscape Architecture

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| Program | **Program:** Bachelors in Architecture (B-Arch)**Course:** AR-419, Landscape Architecture |
| Credit Hours | **Program:** 176**Course:** 0+2 |
| Duration | **Program:** 5 years**Course:** 16 weeks |
| Prerequisites | None |
| Resource Person | Alveena Fatima Hassan – Assistant Professor, SAP, UMTSec - BAr. Faiqa Khilat Sec - A |
| Counseling Timing(Room# ) | **TUESDAY** 10:00am-2:00pm |
| Contact | +92 (0) 3334357337 |

**Course Learning outcomes (CLO’s)**

1. Outline the idea of landscape design and site planning and relate the importance of integrated design of built open spaces and evolve understanding of sustainable site development addressing the functional, aesthetic and environmental issues. (C2)
2. Explain an understanding of the profession of landscape architecture, a profession defined as an art and science of planning or designing on the land, arranging and creating spaces and objects in a landscape for human use. (C2)
3. Develop the understanding of nature as the background and base for all human activities. It describes planning constraints imposed by the forms, forces, and features of nature and our built environment. (C3)
4. Discover climate and its design implications and consequently creation of more efficient and pleasant places and ways within the context of the city and the region. (C4)

**Mapping of CLO’s to Program’s Learning outcomes(PLO’S)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Semester** | **Course Code** | **Title** | **Course Learning outcomes** | PLO 1: Architectural Knowledge | PLO 2: Design Analysis: | PLO3: Design/Development of Solutions Design/Development of Solutions Design/Development of Solutions Design/Development of Solutions | PLO 4: Case study analysis | PLO 5: Modern Tool Usage | PLO 6: The Architect and Society | PLO 7: Environment and Sustainability | PLO 8: Ethics | PLO 9: Individual and Team Work | PLO 10: Communication | PLO 11: Project Management | PLO 12: Lifelong Learning |
| **4th SEMESTER** | **AR-419** |  | Outline the idea of landscape design and site planning and relate the importance of integrated design of built open spaces and evolve understanding of sustainable site development addressing the functional, aesthetic and environmental issues. (C2) | √ |  |  |  |  |  |  |  |  |  |  |  |
| Explain an understanding of the profession of landscape architecture, a profession defined as an art and science of planning or designing on the land, arranging and creating spaces and objects in a landscape for human use. (C2) | √ |  |  |  |  |  |  |  |  |  |  |  |
| Develop the understanding of nature as the background and base for all human activities. It describes planning constraints imposed by the forms, forces, and features of nature and our built environment. Develop an understanding. (C3) |  |  |  | √ |  |  |  |  |  |  |  |  |
| Discover that how climate and its design implications and it provides guidance in the creation of more efficient and pleasant places and ways within the context of the city and the region. (C4) |  |  |  |  |  |  | √ |  |  |  |  |  |

**Grade Evaluation Criteria**

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

**Marks Evaluation Marks in percentage**

Book review Assignments + Presentation 25%

Mid Term 15%

Project II Assignment 15% + Project II jury 15% 30%

Final exam 30%

Total 100%

**Recommended Text Books:**

**Landscape Architecture;** A manual of environmental planning and Design By: John Ormsbee

**Fundamentals of Landscape Architecture** By: Tim Waterman

**Elements of Visual Design in Landscape** By: Simon Bell

**Reference Books:**

**Landscape Architecture;** An Introduction By: Robert Holden

**Form and Fabric in Landscape Architecture** By: Catherine Dee

**Theory in Landscape Architecture** By: Simon Swaffield

**Healing Spaces:** The science of Place and Well Being By: Esther Sternberg

**Landscaping Principles and Practices** By Jack E.Ingels

**Illustrated History of Landscape Design** By Elizabeth Boults

**Healing Gardens** By David Squire

**Healing Gardens** Therapeutic benefits and Design Recommendations

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

**Course code:** AR-419 **Course title:** Landscape Architecture

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| --- | --- | --- | --- |
|  **Week** |  **Course Contents**  | **CLO** | **Reference Chapter(s)** |
|  1. | Introduction to term landscape architecture with examples. **Elements & Principles of Landscape Architecture along with Historical development.**Intro. and Initiation of Project-1 Landscape Design Of a house (1 Kanal HOUSE Residential building) and initiating Relevant Case Study.* **Requirement:**
1. **2 Case Studies local & International**
2. **Material board 20x30 inches**
3. **Site Plan 20x30 inches**
4. **Site details (showing Soft & Hard scape)**
5. **3D** Rendered Sketches **Views 20x30 inches Sheet**

**FIELD TRIP** | C2 | **Chapter 1 from book** *“ Elements of visual Design in Landscape”***By Simon Bell****Field trip 1** |
|   2. | **Case Studies** Book Review Styles of Landscape Architecture**Influence of Climate on Landscape Design** | **C2** | **Presentation** of Case StudiesStyles From the book130pg number*“Encyclopedia of Landscape Architecture”* By **Chris Young** |
|  3&4. | Study / Analysis / Presentation of Relevant Case studies international and local (Theme Oriented+ Project oriented) Project. Preliminary Design Concept**STUDY TRIP** | **C2** | Presentation and discussion**STUDY TRIP 2** |
|  5. | Modifications/Improvements in the Layout Plan of the selected House Design.Implementation of **Concept Apply innovation and creative thinking in the design.****Material Studies** (Study and evaluation of existing space in terms of materials, Material Board) **GUEST LECTURE I Topic: Land and Water** | **C3** | **Presentation and discussion** |
|  6. | **Initiation of Preliminary Design Development Phase - 1*** Elevations / Sections
* Materials selection
 | **C3** | *“Encyclopedia of Landscape Architecture”* By **Chris Young** |
|   7. | * **Development of Interior 3D Sketches** - Multiple 3-D Rendered Sketches of Design project will be developed into 3d views and interior views, using one-point, two-point Perspective
 | **C3** | **Presentation & submission**  |
|  8. |  Intro. Initiation and Development of Assignment / Project-2 Design a Neighborhood Park and initiating Relevant Case Study* **Requirement:**
1. **2 Case Studies local & International**
2. **Material board 20x30 inches**
3. **Site Plan 20x30 inches**
4. **Site details (showing Soft & Hard scape)**
5. **3D** Rendered Sketches **Views 20x30 inches Sheet**

Landscape Design Of a selected Space and initiating Relevant Case Study **FIELD TRIP** | C3 | **FIELD TRIP** for Project II |
|  9. | **MID TERM EXAMINATION** |  |  |
|  10. | Presentation TechniquesDevelop Different landscape Architectural DrawingsDevelop Single line Plan **GUEST LECTURE II****STUDY TRIP** | **C3** | Discussion & development of Plan**STUDY TRIP** for Project II |
|  11. | Material Studies (Study and evaluation of existing space in terms of materials, Material Board) Double line Plans & Section | C3 | Presentation & Submission **15%** |
|   13 & 14. | Multiple 3-D Rendered Sketches(Design project will be developed into 3d views using one-point, two-point Perspective) | **C4** | Presentation**15%** |
|  15. | **Submission Instructions:**Individual assignments / Projects shall be submitted and displayed for the jury in a properly designed and presentable Portfolio. | **C4** | Presentation & Submission**20% Jury**  |
|  16. | **FINAL EXAMINATION** |  |  |

**Rubrics of the Assessment**

**IMPORTANT NOTE**: Although the requirements will be added as per assignments. The general criteria is mentioned as below:

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| --- | --- | --- | --- | --- | --- |
| **Format** | **Excellent A** | **V GOOD B** | **FAIR** | **POOR** | **V POOR/ FAIL** |
| **GENERAL SECTION** | Seven items related to work | Six items related to work | Five items related to work | Two items related to work | Inability to mention any relevant item |
| **GROUP ASSIGNMENTS OF PROJECT** ( 2-3 Students in a group) |
| **Knowledge of the Topic & basic concept** | Excellent knowledge  | Very good knowledge | Fair knowledge | Little knowledge | No knowledge |
| **Presentation of Relevant Case studies international and local****(Theme** oriented case studies **+ Project** oriented case studies**)** |
| **CASE STUDIES****Requirement** 1. Site & its relationship with building, climate, Views 5
2. site shape & size and features,
3. Plan,
4. open spaces,
5. drainage
6. Theme,
7. Plants,
8. Lighting
9. Water body
 | Seven items related to workSite & its relationship with building, climate, Views 5site shape & size and features, Plan, open spaces,drainage Theme, Plants, Lighting Water body | Six items related to workSite & its relationship with building, climate, Views 5site shape & size and features, Plan, open spaces,drainage Theme, Plants, Lighting Water body | Five items related to workSite & its relationship with building, climate, Views 5site shape & size and features, Plan, open spaces,drainage Theme, Plants, Lighting Water body | Two items related to workSite & its relationship with building, climate, Views 5site shape & size and features, Plan, open spaces,drainage Theme, Plants, Lighting Water body | Inability to mention any relevant itemSite & its relationship with building, climate, Views 5site shape & size and features, Plan, open spaces,drainage Theme, Plants, Lighting Water body |
| **PLAN** | Complimenting specifications  | Little discrepancies with specification | Average discrepancies with specification | Little relationship with specification | No relationship with specification |
| **OPEN SPACES** **SECTION** **3D 4-5 VIEWS** | CORRECT & IN DETAIL EXCELLENTLY RENDERED | AVERAGE DETAILS & RENDERING SKILLS APPLIED | FAIR DETAILS & RENDERED SKILLS APPLIED | LESS DETAILS & RENDERED SKILLS APPLIED | POOR SKILLS & DETAILS |
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