



**DEPARTMENT OF ARCHITECTURE
UNIVERSITY OF THE PUNJAB, LAHORE.**

**BACHELORS OF ARCHITECTURE (B. ARCH)
5 YEARS PROGRAM**

COURSE OUTLINE

Course Title	Basic Design I
Course Code	ARCH-101
Credit Hours	6
Semester	Fall
Prerequisites	NA
Tutor	As per Timetable
Student Advising	As per Timetable
Contact	-

Teacher Signature

Chairman Signature

Course introduction

“Design is an expression of feeling; any Creative act is design.”

The purpose of this class is to introduce students with– the basics of Design. Starting off with the basic elements and culminates in a spatial perception. For aspirants of Architecture, as the eligibility criteria remains technical subjects, the creativity and art remain in their infant state. Hence, a basic design studio serves an important purpose of initiating creativity & there by appreciating Art in many forms.

Learning Objective:

1. Development and demonstration of essential graphic communication skills;
2. Integrate the principles of sketching, 2D orthographic projection and perspective drawings, written and verbal communication within the design process and communication; and
3. Introduce students to simple model-making principles.

Outcome

By the end of semester, the students should be able to:

- Explore and use design equipment; types of pencils, scales etc.
- Practice architectural lettering, freehand lines, & sketching
- Explore and practice sketching techniques
- Understand architectural scales and practicing scales
- Understand and practice orthographic views, isometrics and perspectives
- Study of solids in groups, free hand sketches and understanding composition
- Explore and understand model making of solids and practice 3D Models

Learning Methodology:

- Lectures as provided in the schedule of the semester activities
- Study of Archival Material and recommended books
- Guest Lectures as per requirement
- Presentation on allocated topics

Grade Evaluation Criteria

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

Marks Evaluation	Marks in percentage
Sessional (Assignments, Quizzes, Presentations)	30
Mid Term	30
Final examination	40

Content	
Unit 1	Basic Introduction to the equipment. Use of pencil and its types. Introduction to lettering. Different techniques will be applied i.e., freehand lines, lettering & sketching.
Unit 2	Introduction to the rendering and tonal values by using sketching techniques and Study of freehand lines. Sketching freehand
Unit 3	Concept of composition. Sketching freehand lines in different compositions
Unit 4	Student Presentations
Unit 5	Study of different shapes like cube, cylinder etc in different compositions by freehand. Sketching freehand
Unit 6	
Unit 7	Introduction to the use of architectural scales, practicing scale in
Unit 8	architecture by determining different dimensions. Sketching freehand
Unit 9	Mid Term Exam
Unit 10	Introduction to Orthographic views and perspective.
Unit 11	Practice of orthographic views while incorporating objects with more details.
Unit 12	Further development of a isometric by adding angular planes as well as introducing longitudinal sections and plans from different heights
Unit 13	Student Presentation

Unit 14	Study of solids in groups, free hand sketches, compositions and practical exercises in model making of solids
Unit 15	
Unit 16	Initial Discussion of Models
Unit 17	Presentation of Models
Unit 18	Final Exam
Recommended Books/References	<ul style="list-style-type: none"> • Technical drawing (fifth edition). David L Goetsch, William S Chalk, John A Nelson, Raymond L Rickman. • Architectural Graphics by Ching, Francis D.K. 2009/720.284 CHI-A. • Time Saver Standards by Callender, John Hancock. • Architecture, Form, Space & Order by Ching Francis D.K. 2007/720.1 CHI-A • Draughtsmanship: Architectural & building graphics by Fraser Reehie. 1976/720 REE-