

Architectural Drawing I

Stage I

60 contact hours / 4 semester credits

Prerequisites	None
Assessment weighting	100% continuous assessment
Element	Drawing
Supports stage learning outcomes	<ul style="list-style-type: none">• Apply basic skills to express and to communicate concepts, ideas and proposals in terms of drawing -freehand sketching, architectural drawings - and to understand and operate basic computer systems and packages.• Analyse briefs and actively participate in group or individual projects work

Module aims	<p>The primary aims of the module are to:</p> <ul style="list-style-type: none">• Introduce students to the basic skills of architectural drawing,• Develop understanding of the language of architectural drawing and the role it plays in communication of design work• Develop students' intellectual potential and learning capacity. <p>The secondary aims are to:</p> <ul style="list-style-type: none">• Support the course and stage learning outcomes.• Prepare students for an integration of the knowledge gleaned from all other Semester I modules and to scaffold later Drawing, Design, Culture and Technology
--------------------	--

Module learning outcomes

On completion of this subject students will be able to:

- Use standard drawing equipment
- Draw free hand and use drawing instruments to produce: plans, sections, elevations to scale
- Present their work using traditional pencils, ink, colour pencils and pastels produce drawings including architectural symbols. 5. Draw isometric and axonometric projections
- Draw one and two point perspectives
- Apply elementary principles of visual presentation

Syllabus:

Introduction to drawing equipment

T-square, set-square, compass, drawing board, parallel motion, pencil, nylon tip pen, drawing (free hand and with the use of equipment); primary lines, secondary lines, crossing lines, dimensions, scale symbols, notes and lettering

First stage of drawing competence

Drawing (free hand and with equipment) plans elevations, sections, slopes and forms, taking survey measurements and proper survey drawings, interiors and details

Second stage of drawing competence

Layouts and dimensions, notes, symbols, colours

Third stage drawing competence

Isometric, axonometric and oblique projections. One and two point perspectives, rendering

Visual presentation

Preparation, sequence and timing, consistency, continuity, precision, standards and norms, logic and communication, target audience and receiver

Techniques

Media and tools, pencil, colour transparency, transtext, colour plate copying layouts and legends

Report writing

Structuring reports, stating aims and objectives, sequencing report, report layout styles, typeface and use of colour, cover and front page design, target audience

Teaching/learning methodology:

The subject will be taught through formal lectures and demonstrations and interactive workshops using examples of the standards required. Students are given assignments based on the lectures and carry them out in studio under supervision. Assignments are an integral part of the teaching methodology. Students will be expected to maintain very regular contact with their assignment supervisor. The responsibility to arrange one-to-one tutorials rests with the student. Competence in drawing skills is improved by trial and error practice using student centred learning.

Method of assessment:

This methodology is based on the module learning outcomes. The module is assessed by continuous assessment. The formative assessments will take the form of the presentation of architectural drawings completed both in class and at home.

The cumulative assignment is conducted by means of portfolio/process-folio appraisal.

Recommended reading

Reekie's Architectural Drawing	Ronald Fraser Reekie	Arnold	1996
Creative Perspective	R.W. Gill	Thames and Hudson	1975
Design Drawing Techniques.	Porter & Goodman	Architectural	1997

Architectural Drawing: A Visual Compendium of Types and Methods.	Yee Rendow	Press John Wiley & Sons	1997
Lettering for Architects	Martha Sutherland, V.N. Rheinhold	Van Nostrand Rheinhold	1989
Supplementary reading Architectural Graphics	Francis D. Ching	Van Nostrand Rheinhold	1996
The Art of Architectural Drawing: Imagination and Technique	Schaller	Van Nostrand Reinhold	1997
A Visual Dictionary of Architecture	Ching Francis D. K.	Van Nostrand Reinhold	1996
Illustrated Dictionary of Architecture	Burden	Van Nostrand Reinhold	1998
Design Drawing	Ching Francis D. K.	Van Nostrand Rheinhold	1997
Architectural Working Drawings (4 th edition)	Liebing Ralph W.	Prentice Hall	1999