



THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

Department of Architecture

ARC 102 – Graphic Communication II

COURSE PARTICULARS

Course Code: ARC 102

Course Title: Graphic Communication II

No. of Units: 2

Course Duration: Six hours of practical per week for 15 weeks.

Status: Compulsory

Course Email Address:

Course Webpage:

Prerequisite: NIL

COURSE INSTRUCTORS

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COURSE DESCRIPTION

This course is a continuation of ARC 101. Basic introduction to the representation of building elements, materials and applications in working drawings: Plans, Elevations and Sections; simple 3-dimensional drawings. Consideration of colour, line, value, texture and form as effective elements of visual communication.

COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to freehand drawings, measured drawings, 2- dimensional and 3-dimensional drawings; and
- provide students with opportunities to develop basic skills on how to do understand and produce freehand, measured, 2-dimensional and 3-dimensional drawings with the use of ink, pencils, water colour, oil poster, etc.

COURSE LEARNING OUTCOMES / COMPETENCIES

Upon successful completion of this course, the student will be able to:

(Knowledge based)

- know the difference between 2-dimensional and 3-dimensional drawings;
- know the different types of 2-dimensional and 3-dimensional drawings.

(Skills)

- handle the drawing instruments to effectively produce different kinds of drawings;
- Produce free hand sketches;
- Do free hand lettering and in the long run, develop a style of lettering.

GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	5%
Individual Continuous Assessment	35%
<u>Final Examination</u>	<u>60%</u>
<u>TOTAL</u>	<u>100%</u>

GENERAL INSTRUCTIONS

Attendance: It is expected that every student will be in class for lectures and also participate in all tutorials and practical exercises. Attendance records will be kept and used to determine each person's qualification to sit for the final examination. In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with any of the instructors, indicating the reason for the absence.

Academic Integrity: Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited. You are not allowed to make copies of another person's work and submit it as your own; that is plagiarism. All cases of academic dishonesty will be reported to the University Management for appropriate sanctions in accordance with the guidelines for handling students' misconduct as spelt out in the Students' Handbook.

Assignments and Practicals: Students are expected to submit assignments as scheduled. Failure to submit an assignment as at when due will earn you zero for that assignment. Only under extenuating circumstances, for which a student has notified any of the instructors in advance, will late submission of assignments be permitted. Students are expected to own their own drawing instruments and materials and are not expected to borrow from others. Students should always come for practical with their own drawing instruments; failure of which could mean absence from the class. Students should take adequate care of their drawing instruments to avoid damage, etc. Students should be aware that for every week there would be a tutorial class to teach the students the work to be carried out during the practical class for that week. For the practical classes, there would be two groups according to discipline.

Code of Conduct in Lecture Rooms and studios: Students should turn off their cell phones during lectures. Students are prohibited from engaging in other activities (such as texting, watching videos, etc.) during lectures. Food and drinks are not permitted in the lecture room and studios.

READING LIST

³American Institute of Architects (2007). Architectural Graphic Standards. 11th Edition. John Wiley & Sons Inc.

³Ching, F. D. K. (2012). Architectural Graphics. John Wiley and Sons.

³Cooper, D. (2007). Drawing and Perceiving: Real-World Drawing for Students of Architecture and Design. John Wiley and Sons Inc.

³Lin, M. W. (1993). Drawing and Designing with Confidence: A Step-by-Step Guide. John Wiley and Sons Inc.

³Higgins, B. & McGowa, S. (1999). The Art of Creative Lettering: 50 Amazing Fonts you can make from Scrapbooks, Cards, Invitations & Signs.

³Sutherland, M. (2007). Lettering for Architects and Designers. 2nd Edition. Wiley & Sons Publishers.

Legend

- 1- Available in the University Library
- 2- Available in Departmental/School Libraries
- 3- Available on the Internet.
- 4- Available as Personal Collection
- 5- Available in local bookshops.

COURSE OUTLINE

Week	Topic	Remarks
1 & 2	Continuation of Orthographic Projection of Objects	Advanced exercises on 3 to 4 nos third angle projection and axonometric projection.
3	Introduction to building Types or Typologies and Description of the types Assignment: Back Flat Building Design with dimensions for the students to draw on A3 sheet.	<ul style="list-style-type: none"> • Rooming Houses (Bungalow & Storey buildings) • Bungalow and Storey buildings • Detached apartment buildings (1,2&3 bedroom flats: Bungalow & Storey buildings) • Row Housing • Terraced building • Maisonette (Single/Multiple Units)
4	Introduction to sections in block forms	<ul style="list-style-type: none"> • Horizontal Section (Plan); • Vertical Section I (Longitudinal); • Vertical Section II (cross); with dimensions for the students to draw.
5	Introduction to floor Plan design	
6	Section through floor plan of a space	Showing roof member details and foundation footings
7	Elaborate Lecture on roof members and foundation footing	Elaborate details on parts of the building
8	Continuation of Section	Longitudinal Section will be elaborately treated
9	Introduction to roof plans	Elaborate lecture on roof plans
10	Students visitation to a construction site to identify the roof members and foundation members	

	Practical: Exterior freehand drawing; Drawing the “Eagle Status” roundabout in the North gate with the podium on a sketch pad.	
11&12	Introduction to “one-point” perspective with exercises on the interior	
13&14	Introduction to “two-point” perspective with practice on the external of objects or buildings	
15	Revision	