

Academic Vice-Rectorate
Central Curriculum Commission
Central Coordination of Undergraduate Studies



REGISTRATION OF COURSES AREA OF KNOWLEDGE BASIC SCIENCES ECONOMICS AND SOCIAL SCIENCES ENGINEERING, ARCHITECTURE AND TECHNOLOGY EDUCATION SCIENCES HUMANITIES AND ARTS AGRICULTURAL AND SEA SCIENCES MILITARY ARTS AND SCIENCES SAFETY AND CIVIL PROTECTION INTERDISCIPLINARY OTHERS ADSCRIPTION OR BRANCH (ES): FACULTY SCHOOL Architecture and Urbanism ACHOOL Architecture INSTITUTE DEPARTMENT Design Sector, Architectural Expression Area COURSE: NAME WORKSHOP OF ARCHITECTONIC EXPRESSION I CODE 1035 EXECUTIVE UNIT CLASSIFICATION COMPULSORY / THEORETICAL - PRACTICAL APPROVAL DATE UPDATE DATE APPROVAL AUTHORITY CREDIT UNITS FOUR (4) HOURS/WEEK SIX (6) REGIMEN REQUIREMENTS None	Date:]		RESPONSIBLE OF REGI	STRATION:	
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PURPOSES

To stimulate the development of intellectual and motor skills which allows to establish and interpret conscious graphic models, intentionally, to communicate the formal and spatial properties of the architectural object.

LEARNING OBJECTIVES

- To identify the basic concepts that intervene the visual communication process and on the knowledge of the architectural graphic expression.
- To identify the structuring and organizing principles of the spatial and visual form through analytical freehand drawing.
- Analyse, solve and represent simple problems of spatial relations and form generation applying the orthogonal and oblique projection principles.
- To graphically represent the architectural project of a building.
- To apply properly drawing instruments in each specific case.



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CONTENTS

1. Visual communication. (Introduction).

- Description and exemplification of the basic concepts which intervene in the visual communication process (sender, receiver, channel, message, code, etc.)
- Graphic narrative of architecture. Quality and belonging of the architectural graphic code. Functions of the architectural graphic message.
- The drawing of architecture as an idea and as a process in the communication of the architectural object built and projected. Grades of abstraction. Uses: drafts, sketches, diagrams, orthogonal representation (floor plans, views, sections) and perspectives.

2. Visual perception of the form and space.

- Structuring elements of the visual form on the representation of the form and space. Analytical freehand drawing.
- Apparent Contour
- Geometric properties of the form
- Sensible qualities of the form: Perception of the shape, the texture, the light and shade and colour.
- Proportion and scale.
- Study of regular polyhedrons: cube, tetrahedron and octahedron. Geometric structure, its representation.

3. Projection systems

- Projection concept and its elements.
- Projection systems:
- Cylindrical or parallel projection: Orthogonal and oblique.
- Conical projection
- Introduction to shading theory. Shade and shadow.
- Dimensioned projection: topography. Application on terrains modification.

4. Architectural Representation

- Floor plans, elevations (facades), sections, details.



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INSTRUCTIONAL STRATEGIES				
-Structured classes.				
-Structured classes.				
-Workshops.				
-Practical exercises.				
-Practical exercises.				
INSTRUCTIONAL MEDIA				
-Blackboard.				
-Overhead projector.				



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EVALUATION	
Portfolio development	10%
Submission 1 (compilation of class sheets)	15%
Work 1 special. Struct. Elem. of the form and space	10%
Submission 2 (compilation of class sheets)	15%
Work 2 special. Dimensional projection	10%
Submission 3 (compilation of class sheets)	15%
Assignments	10%
Final submission. Architectural Representation	15%
Tot	al100%

TEXTBOOKS (If possible, according to contents)

For all the topics of the content:

- -Ching, Francis. Architecture: Form, Space and Order.
- -Ching, Francis. Architectural Graphics.
- -GEGO. *Espacio, volumen, organización*. Instituto de Diseño Neumann-Ince. Caracas 1976.
- -Maier, Manfred. <u>Procesos elementales de proyectación y figuración</u>. Gustavo Gili Editorial.
- -Foresth, Kevin. Graphics for Architecture.
- -Stevenson, Oles. Architectural Illustration.
- -Wong, Wucius. Principles of Two and Three-dimensional design.