



Date:	<b>REGISTRATION OF COURSES</b>	RESPONSIBLE OF REGISTRATION:
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AREA OF KNOWLEDGE	SUB-AREA	UNDERGRADUATE	POSTGRADUATE
<b>BASIC SCIENCES</b>			
ECONOMICS AND SOCIAL SCIENCES			
<b>HEALTH SCIENCES</b>			
<b>ENGINEERING, ARCHITECTURE AND TECHNOLOGY</b>		X	
<b>EDUCATION SCIENCES</b>			
HUMANITIES AND ARTS			
<b>AGRICULTURAL AND SEA SCIENCES</b>			
<b>MILITARY ARTS AND SCIENCES</b>			
SAFETY AND CIVIL PROTECTION			
<b>INTERDISCIPLINARY</b>			
<b>OTHERS</b>			

**ADSCRIPTION OR BRANCH (ES):**

FACULTY	ARCHITECTURE AND URBANISM
SCHOOL	ARCHITECTURE
INSTITUTE	
DEPARTMENT	
OTHERS	DESIGN SECTOR

**COURSE:**

NAME	WORKSHOP OF ARCHITECTONIC EXPRESSION II
CODE	1036
EXECUTIVE UNIT	
CLASSIFICATION	COMPULSORY / THEORETICAL - PRACTICAL
APPROVAL DATE	
UPDATE DATE	
APPROVAL AUTHORITY	
CREDIT UNITS	FOUR (4)
HOURS/WEEK	SIX (6)
REGIMEN	SEMI-ANNUAL
ACADEMIC PERIODS	REGULAR
REQUIREMENTS	WORKSHOP OF ARCHITECTONIC EXPRESSION I
PROFESSOR	PEDRO J. FRANCO A.



## **PURPOSES**

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

## **LEARNING OBJECTIVES**

1. Identify and solve complex sets through the application of two-dimensional and three-dimensional geometric relations.
2. Graphically communicate an architectural design project.
3. Apply a graphic technic in the visual communication of a design process.



## CONTENTS

1. Study of regular polyhedrons: Cubes, tetrahedron, octahedron. Geometric structure. Combination possibilities.
2. Orthogonal projection system. Oblique projection system. Axonometric drawing (axonometrics without correction factor).
3. Dimensioned projection, introduction to topography
4. Introduction to knowledge of colour theory and visual perception.
5. Conventional graphic techniques. Pencil, ink, crayon. Value.
6. Radial developable surfaces study: Prisms, Cone and Cylinders. Geometric structure. Combination possibilities. Particular study of its sections. Finding of true length. Abatements, turns.
7. Introduction to knowledge of perspective: methods and application.
8. Introduction to Shadow Theory: Obtaining shades and shadows at  $45^\circ$ .
9. Introduction to knowledge of architectonic technical drawing code: lineal drawing and technical plan.



### **INSTRUCTIONAL STRATEGIES**

1. Consideration of graphic representation relevance within the process of communication of the architecture idea and within the design process.

-Representation and verification of basic elements of the form and the architectural space, through the use of representation systems commonly used in architecture.

-Representation of an architecture project of medium architectural complexity, through the use of representation systems commonly used in architecture.

2. Consideration of the importance of the mastery of graphic techniques and representation systems commonly used in architecture.

- Application of conventional graphic techniques

### **INSTRUCTIONAL MEDIA**

1. Lectures

2. Explanation of exercises by using the blackboard.

3. Solving exercises on workshop with supervision

4. Personalized review of exercises performed outside the workshop.

5. Representation of an architectonic object from the elaboration of sketches and survey.

6. Representation of an architectonic object from the planimetric information.

7. Application of the graphic techniques under supervision.

8. Definition of work presentation strategies.



## EVALUATION

Continuous evaluation and partial evaluation (50%)  
Final evaluation (40%)  
Motivation and attendance (10%)

## TEXTBOOKS (If possible, according to contents)

Ching, Francis  
Architecture: Form, Space and Order

Ching, Francis  
Architectural Graphics

Dondis, D.A.  
La Sintaxis de la Imagen: intrudcción al alfaeto visual  
GG Editorial

Itten, Johannes  
El Arte del Color  
Noriega Limusa Editorial

Saniz, Jorge.  
El dibujo de Arquitectura  
Nerea Editorial.

Arheim, Rudolf  
La forma visual de la Arquitectura  
GG Editorial