



SYLLABUS

AREA	:	ARCHITECTURE		
COURSE	:	ARCHITECTURE AND URBAN PLANNING IN THE ANDES, THE INCAS		
PREREQUISITE	:	NO PREREQUISITE		
CREDITS	:	03	HRS. OF THEORY: 1	HRS. OF PRACTICE: 4

I. SUMMARY

The course is intended to introduce students to the general, quantitative and qualitative aspects of the evolution of architecture and urban planning in the Andes in South America. We will cover the aspects of territorial management under Andean societies and its development through the height of its glory under the Inca culture.

The purpose of the course is to develop students' knowledge of, as well as their interest in, the concepts, techniques, and architectonic and urban management of Andean society represented by the Inca culture.

The course covers conceptual aspects such as the evolution of Andean society, its historical background, the geography and environment of the central Andes, the interaction between society and its territory and environment. We will review the history of the origins of the American Caral civilization, early urban planning, ceremonial temples of the formative period, the first cities of the ceremonial centers upon the emergence of the urban theocratic centers, the Moche city, the rise of the Andean Wari Empire, the late states and feudal estates, coastal cities, high Andean settlements, Moche architecture and urban planning, the city of Chancha, the Pachacamac ceremonial center, through the development of the Inca Empire and the colonial development of the city of Cusco.

Analysis of Inca territorial planning, the Incas' understanding of the universe and their architecture, Inca agrarian architecture: farming terraces, religious architecture, the Qhapaq Ñan Inca trails, the imperial Inca architecture of Cusco, through colonial architecture in the city of Cusco

II. COMPETENCIES

Upon completion of the course, students will have:

- Acquired knowledge of the concepts of territorial planning and development in the Andes in South America
- Learned about the development of society in the central Andes
- Learned about the development of Inca imperial urban planning
- Learned the characteristics of architecture from the main periods of development of society in the central Andes
- Learned about and appreciate Inca architecture
- Learned about and appreciate the typology of Inca architecture
- Learned about and appreciate the architectonic elements of the imperial city of Cusco
- Developed the ability to handle practical urban planning cases, seeking added value



III. METHODOLOGY

The course has a total of 45 hours of classes, distributed over 16 weeks. Expert lectures making use of audiovisual media will be complemented by practical application of the knowledge acquired in class workshops, in all classes.

Students will analyze five urban and architectonic cases in the course. These workshops will have the following methodological characteristics:

- Presentation of the case by the professor, with the help of slides
- Formation of working teams among students
- In-class presentation and discussion of the case
- Field work carried out by the teams
- Work on the case according to guidelines provided by the professor
- Presentation of case results by each team, through proposals that add value to the case under study

Cases:

Case study 1: Historical center of Cusco

An analysis of the historical center of Cusco will be made from the perspective of its urban development with regard to the confluence of Cusco as the Incan capital, Cusco as a Spanish city and Cusco as a cosmopolitan city.

Case study 2: Sacred Valley of the Incas

The territorial management of the Sacred Valley of the Incas will be examined, with emphasis on the archaeological remains of Ollantaytambo, the new hotel infrastructure and its integration with the natural landscape. Similarly, attention will be focused on the artisan markets in Pisac and Chinchero, from a tourism as well as productive point of view.

Case study 3: Machu Picchu

An architectonic and territorial analysis will be made of the Machu Picchu archaeological sanctuary, with emphasis on the archaeological relationship between territorial organization and the environment. Particular attention will be focused on an urban and territorial analysis of the town of Aguas Calientes and its effect on the sustainable development of Machu Picchu.

Case study 4: The Qhapaq Ñan Inca Trail

A territorial analysis will be made of the technical characteristics and integrating importance of the great Qhapaq Ñan Inca trail.

Case study 5: Farming Terraces

An examination will be made of the territorial management of the valleys for their exploitation in the generation of more and better lands for cultivation, their ecological management, its importance for the stabilization of soils and integration in the natural scenery.

IV. SCHEDULE OF COURSE CONTENT AND TEACHING AND LEARNING STRATEGIES

SEM.	CONTENT	TEACHING STRATEGIES	LEARNING STRATEGIES	NO. OF HOURS
1	- Course presentation Conceptual aspects of development in the Andes	- Course presentation Explain the concept of development in the Andes and main theories.	- Learn about the evolution of Andean society.	3
2	Chapter 1 Architecture and urban planning Historical background Geography and environment of the central Andes	- Explain the concepts of architecture and urban planning, the Andean vision, historical background. - Explain the geographical development conditions of Andean society, the central Andes, their geography and environment.	- Learn the concepts of architecture and urban planning in Andean society. - Learn the Andean vision of territory, history, geographical and physical medium of development conditions in the central Andes.	3
3	Chapter 2 The origins of Andean civilization	- Explain the fundamentals of the origin of Andean society.	- Learn the fundamentals of the origin of Andean society.	3
	The first city in the Americas: Caral	- Explain the fundamentals and development processes of the first American city, Caral.	- Learn the concepts of the development of the first American civilization, Caral.	2
	- The monumental architecture of Caral	- Explain the urban architectonic concepts found in the first American city, Caral.	- Learn about the urban architectonic concepts found in Caral.	3
4	- Early urban planning, temples and ceremonial centers: Chavín de Huantar, Sechin	- Explain the early development of urban planning, architectonic concepts implemented at ceremonial centers.	- Learn the roles and functions of the ceremonial temples of Chavín de Huantar and Sechin. Learn the characteristics of ceremonial architecture. -	3
	- The first cities - Moche Architecture	- Explain concepts of the development of Moche society, its architecture, the Temple of the Sun and the Moon.	- Learn concepts of the development of Moche society and the characteristics of its theocratic architecture.	3
	The formation of the Wari Empire Urban planning as a state policy	- Explain about the formation of the first empire in the central Andes. - Urban formation under new concepts	- Learn about the development of the first Andean empire.	3



5	The Late States and Feudal Estates Coastal cities High Andean settlements Historical, economic and territorial context Chimú society Urban planning at Chan Chan Chan Chan and its territorial surroundings	Explain the architectonic, urban territorial development of the northern coast of Peru.	Learn about the development of the late states and feudal estates and the main characteristics of their urban planning and architecture. Learn about Chimú architecture. Learn about urban planning at Chan Chan.	3
6	The Inca Empire, the peak of territorial planning	Explain the process of expansion and territorial planning.	Learn about the process of expansion and territorial planning.	3
7	Inca Architecture, Characteristics, Concepts, the Imperial Vision	Explain the concepts, vision and characteristics of Inca Architecture.	Learn the concepts and characteristics of Inca Architecture.	3
8,9	The Imperial City of Cusco Imperial architecture and urban planning Huacaypacta The Town Square Coricancha Sacsayhuaman Quenko Tambo Machay Puca Pucara Ollantaytambo Pisac Archaeological Park Pikillacta Tipón Inca Waterworks	Explain the urban and architectonic characteristics of imperial Cusco.	Learn the main urban and architectonic characteristics of the imperial city of Cusco.	6
10,11	Inca Urban Planning Machupicchu, Vilcashuaman.	Explain the concepts, vision and characteristics of Inca Urban Planning in all its glory, explaining the development of Machu Picchu and Vilcashuaman.	Learn the concepts, vision and characteristics of Inca Urban Planning in all its glory, with explanations about the development of Machu Picchu and Vilcashuaman.	6
12,13	Agrarian Architecture, The Sacred Valley of the Incas -Pisac -Ollantaytambo -Chincheru -Moray	Explain the development of architecture as a function of Inca agriculture. Explain the technology applied in the Sacred Valley of the Incas.	Learn about the development of architecture as a function of Inca agriculture. Learn the technological criteria applied in the Sacred Valley of the Incas.	3
14,15	The Qhapac Nan Inca Road System	- Explain the Inca Road System and its integrating function.	Learn about the integrating function of the Inca Road System	3
16	Colonial architecture, Inca and colonial plazas: Huaycapata, San Francisco and Regocijos The colonial temple in Chincheru, the Cathedral in Cusco, Saint Peter's Church in Andahuayllillas	Explain the process of fusion of Inca architectonic elements with those of the Spanish city, colonial religiousness and religious architecture.	Learn about the fusion of Inca architectonic elements with those of the Spanish city.	3

V. EVALUATION



1. Weight for the calculation of final grade for the course

No.	TYPE OF EVALUATION	% WEIGHT
1	On-going Evaluation	60%
2	Mid-term exam	20%
3	Final exam	20%

2. Weight for the On-going Evaluation grade

TYPE OF EVALUATION	No.	WEIGHT BREAKDOWN (%)	WEEK
ON-GOING EVALUATION Cases	1	12%	3
	2	12%	6
	3	12%	9
	4	12%	12
	5	12%	15
MID-TERM EXAM	1	15%	8
FINAL EXAM	1	15%	16

VI. BIBLIOGRAPHY

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