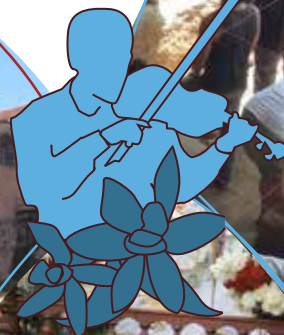


# FIELD SCHOOL PROGRAM in PERU

## 2015



DIRECCIÓN  
ACADÉMICA DE  
RELACIONES  
INSTITUCIONALES



PONTIFICIA  
**UNIVERSIDAD  
CATÓLICA**  
DEL PERÚ

DISCOVER  
ENJOY

LIVE IN COLOR  
LEARN IN PERU





# PERU

Peru is undoubtedly one of the most attractive countries in Latin America. Its ecological and cultural diversity, the impressive variety of its landscapes, the cheerful character of its people and its historically rich cities and beautiful archaeological monuments make of Peru a unique country in the world. Located on the central west coast of South America, Peru offers a huge variety of landscapes and climates due to its unique geographical location. Historically, the current Peruvian territory has also been the home to some of the richest pre-Columbian civilizations, complex societies that achieved extremely high levels of development in terms of architecture, textiles, stockbreeding, ceramics, gold and silver work, among others.

# PUCP

Pontificia Universidad Católica del Perú (PUCP) is a private, non-profit higher education institution. It was founded in 1917 and today it has more than 24,000 students (in undergraduate, master's or doctoral programs). It is among the thirty most important universities in Latin America, and is ranked first in Peru, as a result of the quality of its education, research, publications, social responsibility, contribution to culture and undisputed institutional and academic leadership.

In relation to international agreements, PUCP has signed more than 200 of them with important HEIs (Higher Education Institutions) from all over the world. In addition, it provides more than 20 double degree programs, for undergraduate and graduate students with Spain, Italy, Germany, the United States, the Netherlands and Brazil. PUCP is also a member of fourteen university networks and associations.



# FIELD SCHOOL PROGRAM

The Field School Program in Peru provides students with the opportunity to carry out practical work in research programs led by some of the most prestigious faculty members and scholars within the different academic areas at PUCP. This context allows participants to have a long-lasting, rich and fruitful academic and cultural experience. Throughout its eleven years of existence, the Field School Program has received around 300 students, increasing the number of participants every year. The 2015 edition of the program offers 8 different courses.

Participating students will have the opportunity to live a unique and intensive field and research experience and have a direct approach to local people, with respect and openness to intercultural learning.

By going through each one of the stages required to carry out the field research processes in a systematic manner, at the end of the program, students will have expanded their knowledge of Peruvian history and culture, learned about the day-to-day activities of local inhabitants, improved their ability to analyze social aspects and contributed to the satisfaction of needs by applying theoretical concepts to local problems.

The experience gained in this course could be the basis for the development of future research topics at their universities.





# PROGRAM DETAILS

## Dates

Summer session: July 2015  
Application Deadline: April 17<sup>th</sup>

## Requirements

- Graduate and undergraduate students
- No previous fieldwork experience
- Classes are taught in English. Spanish is not required but advisable

## Contact

Piero Fioralisso  
fieldschool@pucp.pe

## Courses

- Archaeology in San Jose de Moro
- Bioarchaeology in San Jose de Moro
- Ethnomusicology in Cuzco
- Indigenous Rights and Legal Pluralism
- Ecological Engineering in Cuzco
- Structural Diagnosis of Archaeological Monumental
- Tradition, Architecture and Territory in Viceroyal Peru
- Amazonian Linguistics Summer School



# ARCHAEOLOGY IN SAN JOSE DE MORO



## **Location**

San Jose de Moro.  
Chepen, La libertad.

## **Credits** 6

## **Professor**

Luis Jaime Castillo Butters (Ph.D. UCLA)

The San Jose de Moro Archaeological Program is led by Luis Jaime Castillo, a full-time professor and researcher of Archaeology at PUCP, along with Luis Muro, doctoral student at Stanford University and director of the project since 2014. Dr. Luis Jaime Castillo has been the co-editor of Latin American Antiquity and has written numerous articles and books on Moche and North Coast archaeology. He has been a visiting professor in numerous universities in Europe and North America, and Fellow at Dumbarton Oaks. Since 1991 he has been director of the San José de Moro Archaeological Project, one of the largest and most active research projects in Peru, combining scientific research, teaching, and community development.

## **Session Dates**

Dates: June 30<sup>th</sup> – July 30<sup>th</sup>

## **Cost**

- Application fee: \$ 150.00
- Program fee: \$ 3,750.00
- \$150 discount on the program fee for payments before April 1<sup>st</sup>





## COURSE DESCRIPTION

Field Research will be held in the framework of the San Jose de Moro Archaeological Program (SJMAP), a program of excavations at the site of San Jose de Moro, a ceremonial and funerary complex located in the north coast of Peru.

Students will have the opportunity to study the cultural history of the Moches focusing on the remains recovered from the cemetery, which was occupied over the course of 1,200 years— between the 4th and the 15th century—and the associated settlement sites, where survey, excavations and mapping are conducted. The research program, thus, focuses on the birth, collapse and reorganization of the different societies that occupied the area during the pre-Hispanic era. Excavating at San José de Moro site will expose students to its complex occupational history encompassing the Chimú-Inca, Chimú, Lambayeque, Transitional, Late Moche and Middle Moche periods.

The Program has to date produced numerous publications and is recognized as one of the most outstanding research done in South America.

Field School students will be trained in the different aspects of archaeological field work, including extensive excavations at SJM. Instructors are the most experienced program members that will train students in the specific work carried out at the site. Students will also be introduced to lab work in order to learn about the next stage in the archaeological research process. This will lead them to acquire technical and specific skills depending on their particular interest.

By the end of the program, students will have gone through each of the stages required to carry out archaeological excavation processes in a systematic manner. Many of our former students now work on their own archaeological programs in other areas of Peru thanks to the experience gained at SJMAP and some of them are currently conducting graduate studies in some of the most advanced archaeological programs in universities in the USA.



# SCHEDULE

## WEEK 1

Identify and recognize the diverse types of archaeological contexts. Digging strategies and use of different tools in the field. Learn the basics of archaeological survey.

## WEEK 2

Learn and apply archaeological recording techniques in the field and in the laboratory. First stage: Field drawing, written records. Second Stage: Recording methods for special contexts. Photo recording. Introduction to the laboratory work.

## WEEK 3

Learn and apply field and laboratory recording techniques. First approach to the artifacts. Sorting of objects, classification, recording, labeling and photography.

## WEEK 4

Application of the excavation and recording techniques previously learned in the field and the laboratory during the season. Field photography. Photogrammetry Workshop. Learn how to take pictures and process them in different software in order to acquire a 3D model. Learn the use and benefits of a handheld X-Ray Fluorescence for diffraction and elemental analysis of artifacts.

## COMPLEMENTARY ACTIVITIES

In addition to doing field archaeology, students will have the chance to visit some of the most remarkable archaeological sites of the region (Sipan, Tucume, Huaca de la Luna, Huaca el Brujo, Pacatnamu, Chan Chan).

Students will also be part of an “Experimental Archaeology Exhibition”, where they will participate in the manufacture and firing of ceramic vessels, textile production using a traditional loom and the preparation of maize beer (chicha).

These activities will be complemented by the participation of the most recognized local and foreign archaeologists, who will show their most outstanding research in Andean archaeology as well as specialized artisans from the region.

Additionally, students will have the opportunity to interact with the community through artistic workshops that will bring together Field School students with local school kids.





# BIOARCHAEOLOGY in SAN JOSE DE MORO



## **Location**

San Jose de Moro.  
Chepen, La libertad.

## **Credits** 6

## **Professor**

Elsa Tomasto

Elsa Tomasto Cagigao is an archaeologist with a master's degree on Bioarchaeology and Forensic Anthropology from PUCP. She has also attended courses in Bioarchaeology and Paleopathology with Dr. Jane Buikstra and Dr. Donald Ortner. Her work with archaeological human remains includes the analysis of coastal ancient Peruvian populations such as Paracas, Nasca and Moche, and her studies have been published in scientific journals and edited volumes. Professor Tomasto has been Chief Curator for the Human Remains Collection at the National Museum of Archaeology, Anthropology and History in Peru, which comprises more than 15,000 items covering a period beginning 10,000 years ago until Incan times.

## **Session Dates**

June 30<sup>th</sup> – July 30<sup>th</sup>

## **Cost**

- Application fee: \$ 150.00
- Program fee: \$ 3,750.00
- \$150 discount on the program fee for payments before April 1<sup>st</sup>





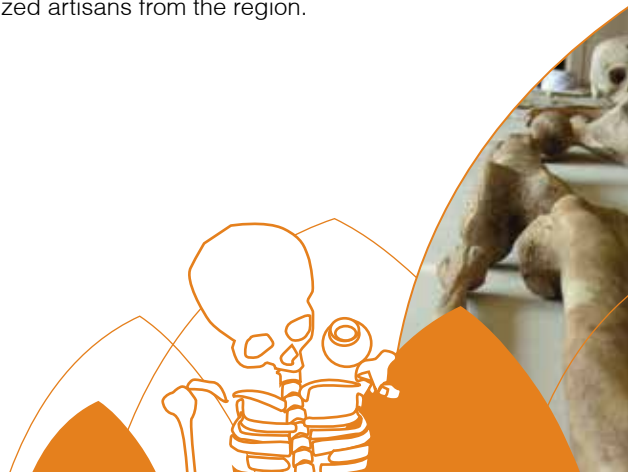
## COURSE DESCRIPTION

Students enrolled in the Bioarchaeology Field School will live a unique experience of taking part of the research process at one of the most complex and important archaeological sites on the Peruvian coast. Through a dynamic combination of lectures, laboratory work with archaeological remains, archaeological fieldwork, and individual research, students will improve their knowledge and skills regarding the interpretation of archaeological and forensic remains.

Since 1991, an international group of field archaeologists and bio archaeologists from PUCP and other universities from all around the world have been conducting excavations in San José de Moro and other sites of the region. These investigations, led by Dr. Luis Jaime Castillo, have recovered one of the largest collections of burials in Peru, which allows us to learn about the customs and traditions of the Moches, as well as their political and social complexity. The most outstanding discoveries of San José de Moro Archaeological Program (SJMAP) are a series of elite chamber tombs containing the remains of Mochica priestesses.

By the end of the program, BFS will be able to carry out the preventive conservation of human remains, construct reliable biological profiles from remains and report them, make a good archaeological excavation as well as register burials in the field and recover relevant information from remains in the field and report it.

These activities will be complemented with the participation of the most recognized archaeologists, both domestic and foreign, who will show their most outstanding research in Andean archeology as well as with specialized artisans from the region.





# SCHEDULE

## WEEK 1

General introduction. Bone and related tissues. The skull: parts, sutures, frontal, parietal bones, occipital, temporal bones. Preventive conservation of human remains. The sphenoid, small bones of the skull and face, maxilla, mandible and zygomatic bone. The human dentition.

## WEEK 2

The ribs and vertebrae, the sternum. The scapular and pelvic girdles, the limbs. Sex estimation, stature. Age estimation.

## WEEK 3

Paleopathology and trauma. Excavation techniques.

## WEEK 4

Biological distance. Forensic anthropology. The study of mummies. DNA, Chemical studies in bones.

## COMPLEMENTARY ACTIVITIES

In addition to doing field archeology, the students will have the chance to visit some of the remarkable archeological sites of the region (Sipan, Tucume, Huaca de la Luna, Huaca el Brujo, Pacatnamu, Chan Chan).

Students will also be part of an “Experimental Archaeology exhibition”, where they will participate in manufacturing and firing of ceramic vessels, textile production using a traditional loom and the preparation of maize beer (chicha).

Besides, students will have the opportunity to interact with the community through artistic workshops that will bring together field school students with local school kids.





# ETHNOMUSICOLOGY IN CUZCO



**Credits** 6

## **Professor**

Raúl R. Romero (Ph.D. Harvard University)

Raúl Romero is professor of anthropology at the PUCP, where he is also director of the Institute of Ethnomusicology and the PUCP School of Music. He is a recipient of the Endangered Archives Programme Award by the British Library and of a Guggenheim Fellowship. Dr. Romero has been Visiting Professor in the Department of Ethnomusicology at the University of California and a NEH Visiting Professor in the Native American Studies Program at Colgate University.

Manuel Ráez Retamozo

Manuel Ráez Retamozo did his undergraduate and graduate studies in anthropology at Pontificia Universidad Católica del Perú, where he is currently professor at the Department of Social Sciences. He is also a researcher, member of the Institute of Ethnomusicology for over 25 years. He is author of several books and articles about ethnomusicology and Andean heritage of Peru and Ecuador.

## **Session Dates**

June 30<sup>th</sup> – July 27<sup>th</sup>

## **Cost**

- Application fee: \$ 150.00
- Program fee: \$ 3,750.00
- \$150 discount on the program fee for payments before April 1<sup>st</sup>





## COURSE DESCRIPTION

This course is for students interested in approaching the Andean popular culture through music and its various ceremonial and ritual contexts. To achieve this purpose, a major cultural region of Peru will be visited: The Sacred Valley of the Incas, an area of ancient Inca and colonial cultural tradition.

The Sacred Valley is located in the Cuzco region, 940 miles southeast of Lima. It owes its name to the fact that it was the preferred residence valley of the Incas because of its high level of corn productivity—the favorite food of the Andean gods—and its mild climate, if compared with the cold city of Cuzco—the ancient imperial capital. Here we will observe the famous festival of Mamacha Carmen which is held in Pisac, where the participants represent many ethnic dances—of social and mythical origins—accompanied by indigenous and mestizo musical ensembles. In the city of Cuzco, we will visit the museum of musical instruments, and we have reserved two days off for students interested in visiting the citadel of Machu Picchu and other historical attractions of the region.

Students enrolled in the program will expand their knowledge of Peruvian history, Andean beliefs and rituals, and popular music genres and instruments in the country. They will also attend workshops on audiovisual methods that are required for field work, in theoretical and practical sessions.

In the town of Pisac, students will be able to observe the famous festival of Mamacha Carmen and learn the basic skills for recognizing and understanding the field techniques and strategies that ethnomusicologists use in the data collection process.

After the field trip, students will systematize their information and data in the university lab for their personal use and keep a copy in the documentary and audiovisual archive of the university Institute of Ethnomusicology (IDE). For our program students, the experience gained in this course has been the basis for future research topic development at their universities.





# SCHEDULE

## WEEK 1

Introduction of Peruvian traditional music audiovisual recordings and private collections kept in the Institute of Ethnomusicology and its audiovisual laboratory. The following workshops are offered: History of Peru, Andean Anthropology, Andean Ethnomusicology, Popular and Traditional Music in Lima and Techniques of Audiovisual Recording in the Field Work.

## WEEK 2

Trip to Cuzco. A visit to the institutions that organize Virgen del Carmen Festival in Pisac. This visit will be supplemented with workshops on Andean Rituals and Festivals, and a short ethno-musical or cultural research, on a topic the student is interested in and which is related to the festival to be attended.

## WEEK 3

Participation in Virgen del Carmen Festival, where students will have the opportunity to make their audiovisual recordings, interview other participants and observe the cultural practices related to their research topic.

## WEEK 4

Back to Lima. Organization, cataloguing and storing of audiovisual material obtained in the field work. Preparation and presentation of the final report on the ethnomusical or cultural research project chosen by the student at the beginning of the course.

## COMPLEMENTARY ACTIVITIES

Workshops are supplemented with a visit to the Museum of Archaeology and Anthropology of Peru and the attendance at a Criollo (Peruvian coastal culture) festival in the city of Lima.

In Cuzco students will visit the Museum of Andean and Amazon Traditional Instruments as well as several craft workshops where musical instruments of the region are manufactured.

Upon the end of the feast, students will have two days off to be able to visit Machu Picchu—the old Inca citadel—and several Incas' Sacred Valley towns; where they will get together with musicians of Andean and mestizo origin, who will perform several music genres of the Southern Andes.



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# INDIGENOUS RIGHTS AND LEGAL PLURALISM

## Credits 3

## Professor

Professor: Raquel Z. Yrigoyen Fajardo

Lawyer (PUCP), PhD in Law by the University of Barcelona, Master in penal system and social problems (U. Barcelona), indigenous customary law specialist (UNAM-USAC), Fellow in comparative Indian Law (University of Oklahoma), Diploma in Anthropological Studies (PUCP).

OAS Interamerican Human Rights Commission Consultant to elaborate the report on indigenous women; former UN Consultant on indigenous rights, access to justice, legal pluralism and state's reform. Visiting Professor at the universities of Carlos III of Madrid, the IISL Oñate, U. Deusto, FLACSO, Harvard; the International Training Centre of the ILO Turin. Professor of the Section of indigenous rights in the legal clinic (PUCP) and Coordinator of the Diplomas of International Studies on indigenous rights (PUCP-IISD).

## Session Dates

June 30<sup>th</sup> – July 20<sup>th</sup>

## Cost

- Application fee: \$ 150.00
- Program fee: \$ 3,000.00
- \$150 discount on the program fee for payments before April 1<sup>st</sup>



### Location

Lima and Madre de Dios, Peru  
(Amazon)





## COURSE DESCRIPTION

The course shall deal with the situation and rights of indigenous peoples in the region, from both theoretical and empirical interdisciplinary approach. The course shall enable students to visit an indigenous community of the Peruvian Amazon affected by gold mining, to know the issues and struggles of peoples directly to enforce its rights. This community won the first case before the Constitutional Court of Peru that recognizes the rights of self-determination, territory and autonomy.

The course, organized by PUCP and the Instituto Internacional de Derecho y Sociedad-IIDS, will follow the work experience of the Strategic Litigation on Indigenous Rights Section of the Clinic of the Law Faculty at PUCP and comprises the International Exchange Program in multiculturalism, legal pluralism, and indigenous rights.

The activities of the course will provide students with tools to contextualize conflicts and issues currently suffered by indigenous peoples and for the understanding of

cultural and legal pluralism situations within the context of globalization as well as develop capabilities in order to learn the management of the corpus of international law on the rights of indigenous peoples.

The field trip shall make it possible to see directly the lifestyle of the community and the impacts of the gold mining activity in its territory besides the manner how the community fought to win the case before the Constitutional Court of Peru.

These activities shall be aimed at developing different types of skills being organized in three types of methodologies: Lectures, Workshops and Field work





# SCHEDULE

## WEEK 1

Introduction of the course and participants. Introduction to cultural and legal pluralism. Historical policies applied to indigenous peoples in the Americas. Liberal constitutionalism and indigenous exclusion. Social constitutionalism and indigenous integration in the 20th century. Contemporary policies: from multiculturalism to self-determination. Globalization and contemporary issues of indigenous peoples. Workshops

## WEEK 2

International law on the rights of indigenous peoples: Autonomy rights. Territory rights. Rights to participation, consultation and prior, free and informed consent.

Case study: Native community Tres Islas in Madre de Dios. Analysis of the judgment and challenges in its implementation.

Trip to the Madre de Dios region to visit the native community Tres Islas, formed by the Shipibo and Ese'ija peoples, in the Peruvian Amazon.

## WEEK 3

Field work in Puerto Maldonado: Visit to the affected area by mining in the Tres Islas's indigenous territory. Visit to institutions of Puerto Maldonado, Madre de Dios. Forum/Workshop on indigenous rights. Feedback and Report. Return to Lima.

## COMPLEMENTARY ACTIVITIES

The trip shall also allow students participate in some forums or public presentations on indigenous rights in the region.





# ECOLOGICAL ENGINEERING in CUZCO



**Location**  
Huyo. La  
Convención,  
Cuzco.

## Credits 6

### Professor

Miguel Hadzich Marín

Miguel Hadzich Marin, Mechanical Engineer of the Pontificia Universidad Catolica del Peru and an MBA Energy & Environment at the University of Twente - Netherlands. Principal Professor at the Faculty of Science and Engineering PUCP in charge of Thermodynamics, Fluid Mechanics Design and Equipment for Renewable Energies courses. He is currently the Coordinator of the Group of Rural Sector Support – GRUPO, and author of numerous research projects and publications in the field of renewable energies. He has been teaching more than 40 courses related with these topics. He has participated in more than 20 national and international seminars. He is the director of the AMERICA RENEWABLE magazine and has published several essays for The Green House PUCP publications. He has received the Special Award for Research by the CONCYTEC, the Energy Globe International Award 2007 and 2012 and other prizes related to Engineering and Ecology. He is consultant to various Ministries, International Cooperation Agencies and companies' involved related to renewable energy.

### Session Dates

Session 1: June 1<sup>st</sup> – June 26<sup>th</sup>

Session 2: June 30<sup>th</sup> – July 27<sup>th</sup>

### Cost

- Application fee: \$ 150.00
- Program fee: \$ 3,750.00
- \$150 discount on the program fee for payments before April 1<sup>st</sup>





## COURSE DESCRIPTION

The course focuses on teaching green technologies that allow people to live comfortably in the farm as well as on production technologies to take advantage of local resources. Green technologies include basic needs such as water, sanitation, lighting, communication, among others, and production technologies comprise concepts ranging from sowing, cultivation and harvesting of certain tropical products (tea, coffee, and cacao) to the use of renewable energy for operating machines used in industrial processing.

The Ecological Engineering course will be taught completely in Granja Ecológica PUCP in Huyro, which is a center for the implementation, spreading and development of sustainable technologies for Peruvian rural residents. The 6.5-hectare land has a high jungle ecosystem characterized by having sunny days throughout the year, a well-defined wet season and diverse flora and fauna; which makes from it an ideal environment to grow a variety of native species such as mango, tea, tubers, loquats, bamboo, cane, Andean fruit, coffee, cacao, banana, among others. The farm is a place of recovery and preservation for some of the species which are disappearing from the area. In addition, it is located

only 3 hours away from Machu Picchu archaeological ruins, where you can arrive on foot.

The course consists of three modules: appropriate technologies, renewable energies and crop management. For a better learning experience, these three components will be articulated in such a way that thematic coherence will be reflected in daily activities of the course. The modular themes will not be covered independently but concurrently, and they will be interrelated.

The methodology of this course is mostly based on learning from practical experience and daily life at Granja Ecológica PUCP. Upon completion of the course, students will be able to apply the theory and practice learned to renewable energies, appropriate technologies, agriculture and permaculture in real situations in order to achieve a sustainable life style; apply the techniques learned in agricultural activities, crop processing, and equipment, machinery, and tool manufacturing; and recognize the possibilities offered and study the properties of the local natural resources and environmental conditions.



# SCHEDULE

The course will be held twice a year, in June and July.

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## WEEK 1

Renewable energy: Solar water heating systems, electrification with solar energy systems (photovoltaic panels). Solar energy concentration and his applications.  
Management of crops: Management of organic gardens (crop seedlings, harvesting and maintenance)

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## WEEK 2

Knowledge of tea and its traditional processing. Implementation of a solar tea factory: processing of black and green tea in the new plant of linear solar parabolic concentrators, elaboration of different processes to differentiate the quality among them.

Management of crops: Crop seedlings, harvesting and maintenance of tea plants

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## WEEK 3

Knowledge of coffee and traditional processing. Implementation of a traditional coffee processing factory: Coffee processing in Scheffler-type solar concentrator, elaboration of different processes to differentiate the quality among them.

Management of crops: Crop seedlings, harvesting and maintenance of coffee plants. Cacao crop seedlings, harvesting and maintenance

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## WEEK 4

Renewable energy: Systems for rural electrification with waterwheels. Rural pumping systems: norias, ram pumps, rope pumps, solar pumps.  
Management of Organic gardens: crop seedlings, harvesting and maintenance.

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## COMPLEMENTARY ACTIVITIES

The Granja Ecológica PUCP is located 3 hours away from the ruins of Machu Picchu and 5 hours away from the city of Cuzco. On weekends, students can visit the Sacred Valley of the Incas, the ruins of Ollantaytambo and Pisac to learn about the Andean cultivation of corn, potato, yuca, etc. They can also visit some villages in the jungle, as Quillabamba and Echarate, where they can find native products such as tea, coffee, cacao, coca, tobacco, unkucha, etc., as well as the natural habitat of certain birds such as Andean cocks-of-the-rock, toucans, woodpeckers, hummingbirds, parrots, etc.





# STRUCTURAL DIAGNOSIS OF ARCHAEOLOGICAL MONUMENTAL



**Location**  
Lima and Trujillo,  
Peru

**Credits** 4

## **Professor**

Rafael Aguilar, Ph.D.

Rafael Aguilar received a Ph.D. in Civil Engineering from the University of Minho, Portugal in 2010 where he worked in the group of structural assessment of masonry and existent buildings. He received his Masters Degree in Civil Engineering from Pontificia Universidad Católica del Peru in 2006 and a Bachelors Degree from the San Antonio Abad del Cusco National University in 2004. Dr. Aguilar has more than 30 publications in specialized indexed journals and international conferences, presenting works on structural diagnosis, dynamic monitoring, structural health monitoring, vibration control, diagnosis and intervention of heritage buildings, and non-destructive testing.

## **Session Dates**

July 6<sup>th</sup> – July 26<sup>th</sup>

## **Cost**

- Application fee: \$ 150.00
- Program fee: \$ 3,000.00
- \$150 discount on the program fee for payments before April 1<sup>st</sup>



## COURSE DESCRIPTION

Monumental architecture is a key element in the study of heritage. For this reason, its deterioration and loss would not only have economic, but social repercussions that could affect national or group identities. These buildings cannot be studied through standard procedures: they require interdisciplinary teams to design proper intervention methodologies and to develop sophisticated assessment tools.

The research team of the Structural Health Monitoring of Architectural and Archaeological Heritage (SHMAAH) has been working since 2012 on the development of comprehensive methodologies for the structural diagnosis of archaeological and monumental adobe constructions using the latest technologies available.

Conducted in association with SHMAAH this Field School provides students with familiarity with non-destructive experimental techniques, allowing them to learn the application of a number of technologies including drones, laser scanners, ground penetrating radars, and vibration transducers.

By the end of the program, students will be able to conduct 3D reconstruction using unmanned aerial vehicles, geophysical and geotechnical assays applying ground penetrating radar and superficial waves for archaeological and geotechnical engineering studies as well as non-destructive tests for structural characterization through modal analysis and thermography.





# SCHEDULE

Field School is scheduled to take place on July. There will be one week of lectures at the PUCP (Pontificia Universidad Católica del Perú) and the field work will be carried out intensively for a period of 2 weeks, adding up to a total of 120 hours of practical work, 24 hours of lectures and site visits.

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## WEEK 1

General introduction lectures about Structural engineering and heritage buildings, nondestructive testing theory, structural engineering and ancient bridges, geophysical applications in heritage buildings research and Geotechnical engineering and heritage buildings conservation. Furthermore, various tests at structural lab.

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## WEEK 2

In the morning field work at Huaca de la Luna to use the equipment. In the afternoon, analysis of the obtained data with the coordination assistance.

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## WEEK 3

In the morning field work at Zaña to use the equipment. In the afternoon, analysis of the obtained data with the coordination assistance.

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## COMPLEMENTARY ACTIVITIES

Students will be able to work closely with the archaeological objects from Huaca de la Luna, recovered from the excavations conducted at the site since 1991. On weekends, students will have the opportunity to visit other monumental complexes and site museums located on the North Coast of Peru, such as Chan Chan and El Brujo.





# TRADITION, ARCHITECTURE AND TERRITORY in VICEROYAL PERU



## Credits 6

### Professor

Dr. Adriana Scaletti

Dr. Adriana Scaletti is an associate professor and researcher of Architecture at PUCP. She has published a number of scientific papers and presented in conferences in America and Europe, and since 2011 is head of the research group Patrimonio Arquitectónico (Architectural Heritage) at PUCP. She is a member of ICOMOS (International Council of Monuments and Sites) in the Scientific Committee for Historic Cities; of the Riva-Agüero Institute for High Studies in the Humanities. Recently she has been a visiting professor at Rochester University (NY, USA).

Arch. Renato Manrique

Architect Renato Manrique studied at the University San Antonio Abad from Cuzco and received a master's degree in Architecture from FAU UNI (currently ABD). He has been a consultant for different urban development projects regarding local governments and non-governmental organizations, such as the "Fondo Italo-Peruano" and the "Proyecto de Defensoría Camisea"

### Session Dates

June 30<sup>th</sup> – July 27<sup>th</sup>

### Cost

- Application fee: \$ 150.00
- Program fee: \$ 3,750.00
- \$150 discount on the program fee for payments before April 1<sup>st</sup>





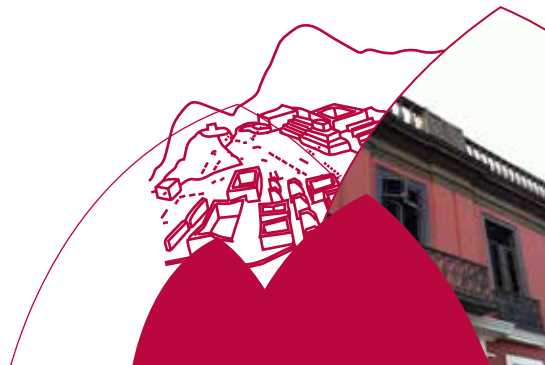
## COURSE DESCRIPTION

This course is for students interested in achieving a better understanding of Peruvian architecture during Viceroyal times and how it clashed and mixed in turn with the ancient architectural and territorial transformations of the indigenous people already in the region. Theoretical and practical sessions will be given in both Lima and Cusco, with field work in specific sites. Visit to a number of contextual areas of cultural landscaping and heritage-valuable architecture will be also part of the program, along with exercises involving traditional building materials.

Participating students will expand their knowledge of Latin American history, with an emphasis in South America -the former Viceroyalty of Peru- and its role in the shaping of cultural expressions in the region. They will be exposed at first to the conditions and challenges of coastal architecture (where earthquakes and tsunamis are a very pressing concern), and later, for the main part of the program, to the Andean examples in Cusco. There, the students will learn about the local constructive

culture through some representative buildings of the city, and through an experience that will consist in the building of a 1:1 scale model of a constructive detail. The students will also prepare a research paper and work in the architectural, technical and photographic study of a selected historical building.

The program works very closely with the local population and especially with the local authorities charged with the protection and conservation of built heritage. This connection means that the work of the program will contribute directly to the actual preservation and respectful transformation of the buildings studied.





# SCHEDULE

The Field School is scheduled to take place on July. Lectures and field work are carried out intensively for a period of 4 weeks, adding up to a total of 240 hours of practical work, 32 hours of lectures and site visits.

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## WEEK 1

During the first week, the study of the historical, cultural and social context that resulted on the Viceroyal Architecture and its principal characteristics will take place in Lima.

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## WEEK 2 AND 3

From the second week on, the program will take place on the city of Cusco. In the mornings, field work will consist in the recognition and measuring of the buildings and elements of the local constructive tradition. In the afternoons, all the information will be gathered and represented with drawings and technical specifications. In parallel, there will be time for historical-documental research, to accurately analyze what is obtained in the field. Lectures, conferences and talks featuring the most relevant specialists will be organized at this time, regarding the constructive, typological and formal aspects of Cuzco's Viceroyal architecture; and trying to allow for the integration of the field work and current research.

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## WEEK 4

On the last week the field work, constructive details and the theoretical contents of the course should come together for a final presentation that will hopefully also collaborate in the local conservation efforts.

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## COMPLEMENTARY ACTIVITIES

The participants will have the opportunity to visit the beautiful local cultural landscapes and the famous Incan (Sacsaywaman, Qengo, Puka, Pukara, Tambomachay, Tipón) and Wari (Pikillacta) archeological remains, all on the same valley where the city of Cusco is located. They will also be able to visit the exceptional Valle Sagrado de los Incas (Pisac and Ollantaytambo). Students will also be able to participate on the rich cultural life of Cuzco; one that is the outcome of a continuing hybridization process between pre-Columbian millenary traditions and European influences, resulting on particular and unique expressions – among them delicious food and vivacious dances and music.





# AMAZONIAN LINGUISTICS SUMMER SCHOOL



**Location**  
Lima - Ucayali

**Credits** 6

## **Professor**

Roberto Zariquiey

Roberto Zariquiey is PhD in Linguistics by the Research Centre for Linguistic Typology at La Trobe University (Melbourne, Australia) and professor and researcher at PUCP. His specialty focuses on the documentation and description of Amazonian languages, in particular of the linguistic family cloth, but has also done fieldwork in the Peruvian Andes. He has published books and scientific articles in Peruvian and international journals.

## **Session Dates**

July 13<sup>th</sup> – Aug 9<sup>th</sup>

## **Cost**

- Application fee: US\$ 150.00
- Program fee: US\$ 3,750.00
- Alumni will receive a discount of US\$ 150 on the program if payments are made before April 1<sup>st</sup>





## COURSE DESCRIPTION

The course addresses the various areas involved in the process of documenting and describing a little-known language. To achieve this purpose students will visit a native community located in Pucallpa—the Peruvian Amazon rainforest—to study the Kakataibo, a Panoan language spoken in the Peruvian regions of Huánuco and Ucayali. Here, students will be introduced to a current research project conducted by the university and they will have the chance to collaborate on it through well-defined tasks related to the different aspects of the linguistic research such as the collection, processing and analysis of data.

In addition to this, the course will include the use of digital audio and video recording equipment, the analysis of linguistic structures of different levels (phonetics, phonology, morphology, syntax, semantics, and pragmatics), the theory of transcription, the design of alphabets and the use of linguistic software.

Linguistics Summer School offers a place for learning and exchange for students, professors, researchers and speakers of Peruvian native languages. It focuses on professionals' training and prepares them for language documentation and collective creation of an academic work that can be publicly disseminated at the end of the experience.

All this within a framework that offers an overview of the Peruvian linguistic diversity—through Amazonian and Andean linguistics, sociolinguistics and language planning courses—and approaches the field work practice from a reflective and critical perspective.



# SCHEDULE

## WEEK 1

Introduction to the Peruvian linguistic diversity: Students will receive an introduction to the Peruvian linguistic diversity. It will comprise three modules:  
Module 1: Introduction to Andean languages, Linguistic history of the Andes.  
Module 2: Introduction to Amazon languages. Structural diversity of the Peruvian Amazonian languages  
Module 3: Introduction to Peruvian Spanish. Policies and education in indigenous languages in Peru: problems and perspectives.

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## WEEK 2

Introduction to fieldwork: Students will receive an introduction to fieldwork and linguistic documentation in the Amazon. It will comprise three modules:  
Module 1: Fieldwork: practical and ethical aspects.  
Module 2: Data collection: transcription and recording methods.  
Module 3: Data analysis (phonetics-phonology, morphology, syntax), Data processing: linguistic documentation (software: ELAN, Toolbox, Lexique Pro, Praat.)

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## WEEK 3

Field work: Data collection Community of Yamino in Ucayali. Application of contents in modules 1 (practical and ethical aspects) and 2 (Data collection) of week 2.

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## WEEK 4

Field work: Data processing in Pucallpa. Application of contents in modules 1 (practical and ethical aspects) and 3 (Data analysis) of week 2.

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## COMPLEMENTARY ACTIVITIES

During their stay in the field, students can take walks through the primary forest surrounding Yamino, where they will find birds and animals in their natural state. Students will have the opportunity to take a boat trip to go through areas of great beauty, where the Amazon River habitat can be seen in all its richness and diversity.





# FIELD SCHOOL PROGRAM in PERU



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