English Courses Guide 2026-1

PUCP

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INTERNATIONAL STUDENT
MOBILITY DIVISION

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Accounting

Investment Decisions

- **Teacher:** Yong Chung, Alfonso Alejandro
- **PUCP credits:** 4
- **Type of course:** Compulsory
- **Course code:** CON279

Summary

It is a theoretical and practical course aimed at evaluating the capital budget of a project or company, for investment and divestment purposes. To this extent, the course contributes to the following two competencies: (i) it evaluates investment and financing decisions in order to contribute to maximizing the value of the organization, and, (ii) it uses mathematical reasoning to interpret information and propose solutions to academic and everyday problems. The topics cover: the valuation of fixed income and equity instruments, as well as the principles of modern portfolio theory, the application of the Capital Asset Pricing Model (CAPM) and the cost of capital, through the use of an active-collaborative pedagogical methodology with the support of computer tools.

Business and Management

Logistics Management

- **Teacher:** Cam Gensollen Cesar Rogelio
- **PUCP credits:** 4
- **Type of course:** Compulsory
- **Course code:** 1GES14

Summary

This course helps students understand, analyze, and improve how organizations plan, move, store, and deliver value through their supply chains.

Business and Management

Digital Marketing

- **Teacher:** Guerrero Jarama, Jessica Patricia
- **PUCP credits:** 3
- **Type of course:** Compulsory
- **Course code: 1GES24**

Summary

The curriculum progresses through six strategic units: digital marketing foundations and ecosystem analysis, diagnostic tools (digital FODA audits, buyer/brand personas, and competitive benchmarking), creative concept development (storytelling, value propositions, Golden Circles, brand personality), digital objectives and strategy (SMART goals, funnel-based strategies, inbound marketing, social media management), digital amplifiers (SEO, SEM via Google Ads, email marketing with Doppler), and digital analytics (metrics measurement, Google Analytics, Meta Business Suite, dashboard reporting via Metricool).

A distinctive feature is the real client consultancy approach: students work with actual organizations across diverse categories (B2B, B2C tangible/intangible, social brands), developing complete Digital Marketing Plans from diagnosis through execution strategy, presented through midterm advances and comprehensive final proposals. Students gain hands-on experience with professional platforms and create original content strategies, campaigns, and analytics dashboards.

Business and Management

Compensation and Benefit Management

- **Teacher:** Trujillo Baca, Marco Alexander
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1GES26

Summary

This course offers a clear overview of how organizations design and manage reward systems to attract, motivate, and retain employees. It examines both financial and non-financial components of compensation, including base pay, variable incentives, recognition programs, and benefits.

Learners explore job evaluation methods, market analysis, and pay structures, while emphasizing the importance of fairness, internal equity, and external competitiveness. The program also covers employee benefits such as health insurance, retirement plans, paid leave, and wellness initiatives, showing how these contribute to satisfaction and performance.

A central theme is the alignment of compensation strategies with business goals, legal frameworks, and ethical standards. Students analyze global trends, technological impacts, and the growing demand for flexible benefits and work-life balance. Case studies and practical exercises provide hands-on experience in designing packages that balance cost efficiency with employee engagement.

By the end, participants gain the ability to interpret compensation data, craft equitable policies, and recommend effective reward systems that drive organizational success.

Communication Sciences and Arts

Color and Discourse: Fundamentals and Technique in the Digital Image

- **Teacher:** Bachmann Barrios, Brian Richard
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** CCC372

Summary

This course offers a specialized approach to visual storytelling by treating color as a strategic narrative and technical tool. Moving beyond traditional art theory, this course bridges the gap between artistic intuition and modern industry standards, such as ACES workflows and HDR (High Dynamic Range) environments.

Students will explore the physics of light, digital color science, and the principles of neuroesthetics to understand how chromatic stimuli influence viewer attention and emotional response. A key differentiator is the "Applied Strategy" methodology, where students work with blind scripts to develop original color scripts and look development memos. This motivates students to rely on their interpretive skills and technical knowledge rather than existing visual references.

Furthermore, the course fosters a critical and global perspective by analyzing non-Western cinematic traditions and the ethical implications of digital manipulation, including skin tone representation. By the end of the semester, students will have developed a professional dossier that defends a unique "Auteur" visual signature for a feature-length project.

Ultimately, this course prepares aspiring professionals to lead the creative process with communicative depth and technical rigor, ensuring they are ready for the challenges of the increasingly globalized and demanding audiovisual market.

Videogames & Audiovisual Experiences

- **Teacher:** Gómez Torres Leandro Sebastián
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** CCC359

Summary

This course explores cooperative video games as interactive audiovisual media and as communicational spaces where social meaning, empathy, and collaboration are constructed through play. Students will analyze how images, sound, mechanics, interfaces, and narratives work together to shape player experience and social interaction. Drawing from communication studies, game studies, and audiovisual theory, the course approaches video games as participatory media that communicate values, emotions, and cultural discourses.

Through a combination of theoretical discussions and practical workshops, students will engage with cooperative games as case studies and as experiential laboratories. The course emphasizes critical observation, audiovisual analysis, and creative experimentation. By the end of the semester, students will design and present a cooperative experience proposal grounded in communicational objectives, reflecting on the social and expressive potential of video games in educational and cultural contexts.

General Studies in Humanities

Christian Social Teaching

- **Teacher:** Piccone Camere, Carlos
- **PUCP credits:** 4
- **Type of course:** Elective
- **Course code:** CDR103

Summary

The course will focus on Catholic Social Teaching (CST), understood as the body of reflections that—from Rerum novarum under Leo XIII, in the context of the industrial revolution, to the recent interventions of Leo XIV in the face of the digital revolution and globalization—seeks to shed light on the social, political, economic, and cultural issues of each era. The course will present its major principles (the dignity of the human person, the common good, solidarity, subsidiarity, and the universal destination of goods) and their connection to core values such as truth, freedom, and justice. From a historical-critical perspective, we will examine how CST engages today with themes such as persistent inequality, human rights, the crisis of democracy, fundamentalism, the neoliberal model, interculturality, and the ecological emergency, showing how this tradition offers criteria for Christian discernment and action within both the Peruvian and the global contemporary context.

General Studies in Sciences

Culture and Christianity

- **Teacher:** Piccone Camere, Carlos
- **PUCP credits:** 3.5
- **Type of course:** Elective
- **Course code:** 1CDR01

Summary

Considering the importance of analyzing the challenges that contemporary culture poses to Christian thought and the necessary dialogue between them, this course covers the following topics: a brief history of the fundamental question about God and humanity, examining how this question is formulated today (creation and the meaning of human life). It continues with the conception of human beings as presented by biblical data, portraying them as capable of transcendence and called to fullness. The course also addresses the challenges of modern culture (modernity, postmodernity, identity claims, generation gaps, etc.), as well as issues related to religious pluralism and the need for ethical behavior.

Law

Integrative Seminar on International Law

- **Teacher:** De Urioste Samanamud, Roberto Ricardo
- **PUCP credits:** 3
- **Type of course:** Compulsory
- **Course code:** DEE253

Summary

The Integration Seminar on International Law is an alternative-compulsory course that can be taken from the seventh semester onwards. It aims to apply international law—in its public (including human rights), private, and economic aspects—together with constitutional law, banking and financial law, and the general theory of law in the field of international relations and deepen some of the problems around the context of the internationalization of law. The Seminar will also offer the opportunity to apply and develop effective communication and research skills. Through the dynamic review of international jurisprudence, the practice of international organizations, and the latest doctrinal developments of international economic law, the course will discuss aspects related to economic liberalization and the formulation of the social market economy in constitutions and international instruments; the affirmation of the standard of fair and equitable treatment in investment arbitration; the risks of fragmentation in international economic law, the jurisprudential dialogue between human rights and investment law; the liberalization of financial services; the new supervision and financial assistance by the International Monetary Fund; and the independence of central banks and public regulation regarding issuing and circulation of digital currency.

International Criminal Justice

- **Teacher:** Reyes Milk, Michelle Elisa
- **PUCP credits:** 3
- **Type of course:** Compulsory
- **Course code:** DEE220

Summary

The course of International Criminal Law seeks to provide an overview of the background and main developments of this area of International Law over the last 80 years. By studying and understanding the origins of this area following World War II, the course will center on the foundational idea that justice is a key component of peace, and that seeking accountability for the commission of the most heinous crimes which - paraphrasing the Rome Statute of the International Criminal Court (ICC) - "deeply shock the conscience of humanity", is of paramount importance to ensuring the survival of the international Rule of Law.

Throughout this course, we will also dissect the legal elements and components of the four crimes under international law; namely, war crimes, crimes against humanity, genocide, and the crime of aggression. We will rely on leading cases for this analysis, both at International Criminal Tribunals – including the ICC – as well as domestic or hybrid courts.

Lastly, the course of International Criminal Law will also reflect on the relationship of this area with transitional justice mechanisms, such as the Special Jurisdiction for Peace in Colombia. Throughout this course, we will be taking stock not only of current developments but also adopting a gender and victim-centered focus in our work.

Law

Public International Law

- **Teacher:** Saco Chung, Victor Augusto
- **PUCP credits: 3**
- **Type of course:** Compulsory
- **Course code:** DEE207

Summary

The course is mostly theoretical, but it uses practical examples to explain legal ideas. It addresses the notion of international law: the institutions and sources of public international law—including the international custom and treaties; and its main subjects: states, international organizations, and individuals. It also examines international responsibility, international and domestic jurisdictions, and dispute settlement mechanisms. In addition, the course provides an initial overview of international economic law, focusing on trade liberalization and the role of the International Monetary Fund.

Liberal Arts and Human Sciences

Seminar in Geography: Geographies of Energy and Power in Peru: History, Environment, and Social Theory

- **Teacher:** González Hunt, Fernando Luis
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** GEO306

Summary

This course introduces students to the geography of energy as a social, environmental, and spatial phenomenon, with a primary focus on Peru and selected global comparisons. It examines the historical development of energy systems and their environmental impacts in the context of global environmental change and energy transitions. The course presents key theoretical approaches from the social sciences, including political economy, political ecology, and critical perspectives on development, to analyze the relationships between energy, power, and inequality. Through case studies from different regions of Peru, students explore how energy projects and infrastructures transform territories, ecosystems, and social relations. The course also addresses the role of governance, conflict, and social actors in shaping energy landscapes. In the final part of the course, students develop and carry out supervised research projects on contemporary energy issues in Peru.

Psychology

Psychology of Trauma

- **Teacher:** Caro Cárdenas, Ana Mercedes
- **PUCP credits: 3**
- **Type of course:** Elective
- **Course code:** PSG227

Summary

In this course the student integrates the neuropsychological, interpersonal, social, and cultural mechanisms involved in the development of psychological trauma and discusses the research in the field and the diagnostic and intervention models available. Topics related to the self-care of the psychologist will be included in the course.

Sciences and Engineering

Topics in Robotics and Intelligent Systems A

- **Teacher:** Meneses Carnero Alexis José
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1MTR74

Summary

This elective, theoretical-practical course is positioned at the intersection of telepresence and human-machine interaction while also articulating with the domains of network engineering, affective robotics, and social computing interaction. It presents innovation topics in telematics and the remote operation of agents. Participants will acquire knowledge in the design, control, and implementation of teleoperated systems across diverse application areas such as robotics, healthcare, and aerospace. In response to advancing technologies—including pervasive networking, IoT, and AI—the course fosters an academic reflection on the role of "teleoperated agents" in enhancing service delivery and human quality of life. The curriculum is principally theoretical, aiming to cultivate a student's capacity to evaluate the technical, socioeconomic, environmental, and health implications of implementing the requisite communication infrastructures for teleoperated robots and agents. Furthermore, it examines the sustainable and responsible integration of these technologies within the architecture of modern information systems and services.

Sciences and Engineering

Integrative Ecology of the Central Andes

- **Teacher:** González Hunt, Fernando Luis and Bartl, Karin
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** ING309

Summary

The course will provide the basic concepts behind ecological theory and then proceed to review current research topics on ecosystem function, biodiversity and the human dimension in the region covering the transition from the Pacific Ocean over the Andes and into the Amazon rainforest

Mining Project

- **Teacher:** Luis Mendieta
- **PUCP credits:** 3
- **Type of course:** Compulsory
- **Course code:** 1MIN13

Summary

It is a theoretical-practical course to be developed as an integrative mining course which purpose is to make the students to work in teams by means of developing a mining engineering project during the whole semester. This project will focus on fulfill a user need, it involves the definitions of requirement, search for solutions, planning and execution of activities, evaluation of technical and economic alternatives. The project involves at least three areas of Mining Engineering with real constraints and use of engineering standards. Finally, it also includes the preparation of a progress of the project and deliver a final presentation in English.

Deterministic Models

- **Teacher:** Edudardo Carbajal
- **PUCP credits:** 3.5
- **Type of course:** Compulsory
- **Course code:** 1IND47

Summary

It is a theoretical-practical course whose purpose is problem-solving and design. Problem solving consists of relating a linear programming model to a simple industrial engineering problem to propose a solution method, building a mathematical model considering the specific characteristics of the identified problem, and then obtaining a solution using mathematical and computational programming tools, linearly. For the design, complex mathematical models of linear programming are related to industrial engineering problems present in organizations linked to the productive and service sectors. Furthermore, a solution method is chosen and applied to solve the problem. Likewise, the course contributes to lifelong learning and teamwork.

Science and Engineering

Supply Chain Fundamentals

- **Teacher:** Carreño Solís Adolfo Joseph
- **PUCP credits:** 4
- **Type of course:** Compulsory
- **Course code:** 1IND49

Summary

This course introduces students to the strategic design of supply chains, understood as networks of organizations involved in sourcing, manufacturing, and distributing products through interdependent supplier–customer relationships. These connections are expressed tangible product flows and associated service flows.

Introduction to Aeronautical Engineering

- **Teacher:** Carlos Saito
- **PUCP credits:** 3.5
- **Type of course:** Elective
- **Course code:** ING339

Summary

This course should be taken by students and professionals who want to be involved in the Aeronautical and Aerospace industry. Also, professionals who want to know more about unmanned aerial systems and understand how this system works and can be applied to satisfy different kinds of industrial services.

Tissue Engineering (Ingeniería de Tejidos)

- **Teacher:** Suyeon Kim, Fanny Casado
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1IBM20

Summary

The course will present tissue characterization technologies for diagnostic purposes, as well as technologies for the prognosis of interventions and other therapeutic uses of Tissue Engineering from a Organ and Systems approach. During the course, students will formulate a project for the development and implementation of a methodology used by Tissue Engineering. Introduction to stem cells and cell therapy: Advanced therapies: concepts and overview. Consolidated advanced therapies. Mechanisms of differentiation from stem cells to somatic cells. Immunomodulatory and inflammatory cell therapy. Role of the physical environment in tissue engineering and regenerative medicine. Regenerative medicine, cell repair, and cell, tissue, and solid organ transplants.

Science and Engineering

Environmental and Sustainable engeneering seminar

- **Teacher:** Ramzy Kahhat
- **PUCP credits: 1**
- **Type of course:** Compulsory
- **Course code:** 1IAS12

Summary

TThis is a course of theoretical nature, which will introduce the student to professional practices and ongoing research on the field of Environmental and Sustainable Engineering. Professionals and researchers from around the world will be invited as guest lectures of this class.

Introduction to Environmental Engineering

- **Teacher:** Karin Bartl
- **PUCP credits:** 3.5
- **Type of course:** Compulsory
- **Course code:** CIV229

Summary

The course provides an introductory overview of the basic concepts of environmental engineering and human-nature interactions. The different mechanisms of water, soil and air pollution are emphasized, including environmental impacts of civil infrastructure throughout its entire life cycle.

Conservation in the Peruvian Amazon

- **Teacher:** Geoff Galice
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1ING13

Summary

This course will be taught in the classroom and in the field, integrating both traditional learning techniques and hands-on activities that will emphasize key points. The goal is for students to finish the course with a broad understanding of the challenges and opportunities provided by the rapid change currently affecting the Amazon region, so that they can later apply this knowledge as leaders and decision-makers in environmental fields

Science and Engineering

Sustainable Energy

- **Teacher:** Ramzy Kahhat, Kurt Ziegler and Rolf Grieseler
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** ING310

Summary

This course is designed to increase the student understanding of the role of energy in modern society, the link between energy consumption, environmental degradation, societal impacts and alternative energy approaches for the future.

Mobile Network Engineering

- **Teacher:** José Rodríguez
- **PUCP credits:** 3.5
- **Type of course:** Elective
- **Course code:** TEL341

Summary

This is an advanced theoretical-practical elective course within the Wireless Technologies curriculum. It includes the following topics: Evolution of mobile systems; a detailed review of the architecture and operation of LTE and LTE-Advanced (4G) mobile systems, fifth generation (5G) networks, IP Multimedia Subsystem (IMS) architecture, Voice over LTE (VoLTE) and Voice over 5G (VoNR) applications. Finally, trends and applications of future sixth generation (6G) mobile networks will be discussed.

Medical Device Design for Low Resource Settings

- **Teacher:** Pastor Chávez, Stefano Romero
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1TEL09

Summary

This course will explore the unique challenges and opportunities associated with designing medical devices for use in low-resource settings. Students will learn about the specific needs and constraints of these settings, including limited access to electricity, water, telecommunications infrastructure, equipment, and specialized human resources. They will also study the regulatory and ethical considerations involved in designing and deploying medical devices in these contexts. The course leverages the experience accumulated during the last decade by our university developing this type of device.

Science and Engineering

Advanced Dynamics

- **Teacher:** Alexis Meneses, Pastor Chávez
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1MTR71

Summary

This elective course blends theory and practice, focusing on telepresence and human-machine interaction while incorporating elements of networking, affective robotics, and social computing. It also explores innovations in telematics and remote agent operation. Students will study the design, control, and implementation of teleoperated systems across various fields, including robotics, healthcare, and aerospace. The course emphasizes applications for teleoperated agents and examines how emerging technologies like pervasive networking, wearable devices, the Internet of Things (IoT), and artificial intelligence (AI) create a demand for these agents. The curriculum prompts academic reflection on how these technologies enhance service delivery and improve quality of life. While primarily theoretical, the course aims to develop students' ability to evaluate the technical, socioeconomic, environmental, and health implications of communication and information infrastructures supporting teleoperated robots and agents. Additionally, the course explores how these technologies integrate with information systems and services, emphasizing sustainability and responsible resource management.

TEMAS DE INGENIERÍA MECATRÓNICA H - Industrial Artificial Intelligence

- **Teacher:** John Taco
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1MTR19

Summary

Industrial Artificial Intelligence The large volumes of data generated in the industrial field, such as the operation of machines, manufacturing processes, maintenance events, and process operations, among others, are the focus of this course. In today's highly competitive business environment, it is crucial for companies to apply sophisticated analytical tools to manage this data and gain a greater understanding of their activities.

This course will provide students with knowledge in advanced technologies such as highly complex signal processing, machine learning, and predictive analytics, essential for transforming big industrial data into valuable information that contributes to optimizing design, increasing productivity, and improving efficiency in industry operations.

Science and Engineering

Relativistic Quantum Mechanics - Mecánica Cuantica Relativista

- **Teacher:** Mehedi Masud
- **PUCP credits:** 4
- **Type of course:** Elective
- **Course code:** 2FIS21

Summary

The course is both theoretical and practical in nature. Its purpose is to enable students to understand the formalism of relativistic quantum mechanics from the wave-function perspective, as applied to particles moving at high velocities. In addition, the Klein–Gordon equation for spinless relativistic particles and the Dirac equation for spin-½ particles are analyzed. Finally, bound states in the relativistic hydrogen atom are described using different models.

Social Sciences

International Politics of Asia

- **Teacher:** Chávez Mazuelos, Jorge Antonio
- **PUCP credits:** 3
- **Type of course:** Elective
- **Course code:** 1REI32

Summary

The course starts with an introduction to the historical, geographical, and geopolitical foundations of Asia, conceptualizing it as a region and defining the existing subregions. Furthermore, we will analyze the main theoretical frameworks applicable to the analysis of the region's international politics, exploring Asian approaches and developments of the theories of international relations.

Following the introduction, we will focus on the foreign relations and strategic imperatives of the main Asian countries. Firstly, we will start analyzing Northeast Asian countries such as China, Japan, and the Korean peninsula. Furthermore, we will center our attention on Southeast Asia, delving into the study of Indonesia, Thailand, Vietnam, Singapore, and the Philippines. In the third place, we will cover the study of South Asia, concentrating on the analysis of India, Pakistan, and Bangladesh. In addition, we will cover Central Asia, focusing on countries such as Uzbekistan and Kazakhstan. Hence, students will learn about these countries' economic and political development, the processes of construction of their national identities, their foreign and security policies, and their role in the regional and global dynamics.

Furthermore, we will analyze the unresolved historical conflicts between Asian powers, focusing on issues such as the Taiwan question, North Korea's nuclearization, the territorial and maritime disputes in the East and South China Seas, and the conflict over Kashmir. In addition, we will cover the challenges of regional organizations and the extent to which the strategic competition between the United States and the People's Republic of China influences regional dynamics.

Social Sciences

Macroeconomics II

- **Teacher:** Pozo Sanchez, Jorge Antonio
- **PUCP credits: 5**
- **Type of course:** Compulsory
- **Course code:** ECO293

Summary

The main objective of the Macroeconomics II course is to provide students with the main modern tools for macroeconomic analysis. To do so, very well-known models for long-term macroeconomic analysis (economic growth) and short-term (economic fluctuations) will be reviewed using mathematical and statistical tools. For example, the Solow model, the Ramsey-Cass-Koopmans model, and DSGE models, among others.

