

INTERNATIONAL
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LEARNING • CULTURE • LANGUAGES • DISCOVERIES • LEARNING • CULTURE • LANGUAGES • DISCOVERIES • LEARNING • CULTURE • LANGUAGES • DISCOVERIES

ACADEMIC

MOBILITY

**VIRTUAL EXCHANGE
PROGRAM 2024.2**

Guide for *Incoming Students*



PUCRS | INTERNATIONAL



WELCOME *TO PUCRS!*



Located in the city of Porto Alegre, in Rio Grande do Sul / Brazil, PUCRS is the #1 higher education institution in Brazil according to the **Times Higher Education** ranking. More than 150,000 students have graduated from our programs in 75 years of existence. We offer 55 undergraduate programs, 22 graduate programs (Master's and PhD) and 70 other Certificate and Extension programs.



WE ARE AS GREAT AS THE FUTURE



Our Main Campus, located in Porto Alegre, capital of the State of Rio Grande do Sul, sits in a total area of 55 hectares where thousands of people come and go to every day. Our Campus is home to our **7 schools** the **Main Library**, the **Sports Park**, the **Science and Technology Museum**, the **Science and Technology Park** and the **São Lucas Hospital**.



MARISTA

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ABOUT OUR PROGRAMS



PUCRS | INTERNATIONAL



ABOUT EMOVIES

eMOVIES is a consortium of OUI member universities (**Organización Universitaria Interamericana**), in which each institution provides a number of seats in courses that can be offered entirely online.



ELIGIBILITY CRITERIA

- To be regularly enrolled in a university participating in the EMOVIES Program;
- Although there is no need to certify language proficiency, students must have an intermediate-level of proficiency in the language the course is taught.



DOCUMENTATION

- [Application form \(submitted online\)](#);
- Scanned copy of valid passport or national identity document;
- Updated transcript of records.





ABOUT AMERICARUM MOBILITAS

It is a mobility program for students and faculty from ODUCAL (**Organization of Catholic Universities in Latin America and the Caribbean**) member institutions. The program allows for on-site and virtual mobility, according to the offer and availability of seats and opportunities in each institution.



ELIGIBILITY CRITERIA

- To be regularly enrolled in a university participating in the Americarum Mobilitas program;
- Although there is no need to certify language proficiency, students must have an intermediate-level of proficiency in the language the course is taught.



DOCUMENTATION

- **Application form (submitted online):**
- Scanned copy of valid passport or national identity document;
- Updated transcript of records.





ABOUT PUCRS VIRTUAL MOBILITY PROGRAM

The **Virtual Mobility Program** allows students to enroll in undergraduate and graduate courses online at PUCRS. It is an opportunity to study a different language, come into contact with new cultures and internationalize the curriculum.



ELIGIBILITY CRITERIA

- To be regularly enrolled in a partner university;
- Although there is no need to certify language proficiency, students must have an intermediate-level of proficiency in the language the course is taught.



DOCUMENTATION

- **Application form (submitted online):**
- Scanned copy of valid passport or national identity document;
- Updated transcript of records.



SUBMISSION CRITERIA



- Students must fill out the form and submit a digital copy of the requested documents to the International Office or department in charge of academic mobility programs in their home university;
- The home university must send the documents to the Office of International Cooperation at PUCRS:
mobilidade.in@pucrs.br



PORTUGUESE FOR INTERNATIONAL STUDENTS

COURSE	SEATS	COURSE LOAD	COURSE REQUIREMENTS	START AND END DATE	COURSE INFORMATION
Portuguese for International Students I	75	60h	To be enrolled in an undergraduate or graduate program	Jul 29, 2024 – Dec 11, 2024	Development of basic communicative competence through speaking and writing. Synchronous class: Mondays and Wednesdays from 2pm to 3:30pm/ or Tuesdays and Thursdays from 5:30 pm to 7pm/ or Tuesdays and Thursdays from 2pm to 3:30 pm
Portuguese for International Students II	25	60h	To be enrolled in an undergraduate or graduate program	Jul 29, 2024 – Dec 11, 2024	Development of basic / intermediate communicative competence through speaking and writing. Synchronous class: Monday and Wednesday from 5:30 pm to 7pm.





SCHOOL OF HUMANITIES

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COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
EDUCATIONAL PSYCHOLOGY: DEVELOPMENT	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The study of human development in its cognitive, socio-affective and psychomotor aspects. The contributions of the genetic, psychoanalytical and socio-anthropological theories of development for education. Reflecting on the connections between education, cultures and youth in contemporary contexts.
EDUCATIONAL PSYCHOLOGY: LEARNING	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Conceptual analysis of the characteristics, intervening factors and the significance of the learning process and its relationship with the process of teaching. The identification of different theoretical concepts which support educational practice (behaviorist, socio-interactionist, and humanist), the comparison between these theories, and understanding their implications for the teaching and learning process. The analysis of motivation and its relationship with the teaching and learning process. The identification of teacher and student roles according to different theoretical concepts. Neuroscience and technology studies applied to human learning.
SOCIAL ANTHROPOLOGY	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Social Anthropology in human sciences: history and contemporaneity. Basic concepts of anthropology: culture, ethnocentrism, relativization. Anthropologic research, the ethnographic method, and the participant observation. The anthropologic approach to contemporary themes: family, stages of life/generations, gender and sexuality, notions of health and illness, drug addiction.
HUMANISM AND RELIGIOUS CULTURE	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Human condition and the Religious Phenomenon; The link between faith and reason, and science and religion. The concepts of the holy and the human, doctrines and ethics of religious Traditions, and elements of Afro-Brazilian and Indigenous culture. Christianity: from historical Jesus to the Christ of faith and the living and active presence in contemporaneity. Intercultural, inter-religious and intergenerational dialogue in creating justice and peace. Integral and fraternal humanism: acceptance, social and planetary awareness, and community experiences.



SCHOOL OF HUMANITIES

2/3

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
READING AND TEXT PRODUCTION	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The study of language in use and the fundamentals of interlocution: interlocutors, text, context, and the construction of meaning in reading and textual production practices. Instrumental reading in native and foreign languages. Grammar review and application of reading strategies aimed at text comprehension. Elements of textualization: cohesion, coherence, intertextuality, informativeness, intentionality, acceptability, and situationality.
ETHICS AND CIVIC CONSCIOUSNESS	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The philosophical problems and concepts associated with morality and the exercise of civic consciousness. An introduction to the main themes and problems in Ethics in the History of Philosophy. A philosophical reflection on the democratic ideal, civic consciousness and human rights.
PHILOSOPHY AND GENERAL ETHICS	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Philosophical problems and concepts associated with morality and the exercise of civic consciousness. An introduction to the main themes and problems in ethics in the history of Philosophy. A philosophical reflection on the democratic ideal, civic consciousness and human rights.
PHILOSOPHY AND BIOETHICS	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Understanding ethics and the main problems studied in this course. Analyzing the freedom/determinism dialect regarding the individual moral responsibility issue. Reflecting upon modern anthropomorphism problems regarding damage caused to the environment. Differentiating ecologic ethics and environmental ethics. Analyzing arguments that are for and against abortion, euthanasia, respect for nature.
BASIC EDUCATION POLICIES AND ORGANIZATION (OPEB)	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The Brazilian educational system, its organizational aspects, its policies and the intervening variables in the management of Basic Education. A theoretical and practical analysis of the current legislation, applied to the educational organization in its administrative and pedagogical aspects, in the perspective of transforming social reality.



SCHOOL OF HUMANITIES

3/3

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
NEUROSCIENCE AND LEARNING	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The link between neuroscience and education. Neurobiological, anatomic, and phylogenetic foundations of the human brain. The study of language, brain stimulation, and neural plasticity. The contribution of the school for cognitive development, emotional intelligence, and the role of the brain in learning. Learning disorders and theories of subjectivity and the complexity associated with pedagogical practices regarding neural stimulation.
SOCIAL POLICIES FOR CHILDREN, ADOLESCENTS AND YOUNG PEOPLE	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The characterization of the historical construction of the rights of children and adolescents in Brazil. An analysis of The Full Protection Doctrine and the System for Guaranteeing Rights regarding social policies aimed at children and adolescents. Social policies for Youths and the Statute of Youth. The articulation of the protection network as a strategy for guaranteeing the rights of children, adolescents and young people in contemporaneity.
EDUCATION IN NON-FORMAL ENVIRONMENTS	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Understanding the complementarity of educational actions in difference environments based on theoretical and practical studies. The study and acknowledgement of different non-formal or out-of-school learning spaces/environments, of cultural and social aspects associated with them, and of the methodologies used in them. The construction, analysis, and publicization of experiences through observation and operation practices in these environments, like in science clubs, museum activities, non-governmental organizations, among others.
SPECIAL EDUCATION AND INCLUSIVE PROCESSES	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The educational and schooling process of people with disabilities/high skills in its biopsychosocial, historical and philosophical aspects. An analysis of the foundations of effective inclusive education actions in their theoretical and practical aspects. An analysis of methodological proposals for working with different disabilities/high skills.
MANAGEMENT OF EDUCATIONAL ENVIRONMENT	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	A theoretical and practical study of the processes of managing educational environments in schools, in order to carry out a critical and reflective analysis of the possibilities regarding the integration of education experiences and projects in the perspective of democratic management. The appropriation of legal, administrative, and pedagogical aspects of the school environment, as well as the organizational and operational aspects of the school faculty.



SCHOOL OF HEALTH AND LIFE SCIENCES

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
INNOVATION IN HEALTH	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Questioning entrepreneurship in the context of innovation and development in health, providing skills aimed at empathy, collaboration, teamwork, communication, creativity, and problem solving through an approach focused on the human being.
HEALTH RESEARCH	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The course brings the student into different methodological research approaches in an interdisciplinary and interprofessional environment. It presents the theoretical and epistemological principles of the stages of creating a research proposal, of implementation strategies, and of its analysis. It also encourages the implementation of research principles in professional practice in health through a critical and ethical analysis that is socially engaged.
INTEGRATED HEALTH WORK	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Approach to concepts related to Health Policies and Systems: historical perspective; Unified Health System: principles, guidelines, and work processes; health priorities, including the theme of ethnical and racial diversity; integrated health care in different work contexts.
HISTORY OF PSYCHOLOGY	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Historical context of the consolidation of Psychology as a science. Analysis of the ontological concepts that constituted modern Psychology. Understanding of the different historical moments that characterized Psychology as an autonomous discipline, encompassing the debate on its scientific condition, and its theoretical and methodological diversity. Presentation of the social and historical conditions that led to the organization of psychological science in the Brazilian panorama.
BIOLOGICAL BASIS OF HUMAN BEHAVIOR	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The study of anatomic-functional characteristics of the nervous and endocrine systems, and the analysis of genetic mechanisms associated with the cellular and physiological processes of human behavior.



BUSINESS SCHOOL

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
INTRODUCTION TO THE FINANCIAL AND CAPITAL MARKET	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The course will address the understanding of the structure and operation, as well as the normative, regulatory, and operational principles of the Financial and Capital Market, highlighting its importance, the agents and their interactions. It will also address the concepts of savings accounts and investment and the products and services for raising and investing resources on fixed and variable income instruments, including the ideas of risk and return.
SUSTAINABILITY	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The macro notion of sustainability, considering social and historical contexts and social, environmental, and economic aspects. Broad understanding of the UN's Sustainable Development Goals and preceding movements, followed by a highlight on the theme in Brazil. A reflection upon corporate sustainability, considering the Triple Bottom Line framework and resulting issues. Conceptualization of contemporary business models. Discussion of reframed economic practices.
DIGITAL BUSINESSES	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Characterization of the types of relationships that are brought forth by the internet. Discussion on the role of digital technologies in business and on the main digital business models and their impact on organizational strategies. Marketing practices applied to digital media, focusing on multidimensional vision and results. Social media and networks to boost businesses.
PEOPLE MANAGEMENT	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Covers the main policies and practices that can be adopted in people management to give companies a competitive advantage. Attraction of professionals. Professional performance management. Compensation and benefits. Corporate education. Career and well-being of professionals. Competence-based management. Trends in people management.
MARKETING	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	This course provides the students with an overview of Marketing, including its fundamental concepts and the various perspectives that the area offers for business success.
BUSINESS LAW	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Studies the regulation of economic activity, associated to business, tax, and labor law. Analyzes subjects that are relevant to the entrepreneur and to companies. Credit instruments. Bankruptcy and extrajudicial and judicial recovery. Provision of service: employment relations and outsourcing contracts. The tax relationship and taxable event. Tax credit, assessment, inspection and active debt, constitutional limitations to taxing power.



BUSINESS SCHOOL

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
CONTEMPORARY POLITICAL ECONOMY	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Characterization of economic theories with interfaces with political science, sociology, and history. Presentation of the different approaches to power relations in economy and the role of the State since Adam Smith. Analysis of more recent approaches which deal with the relationship between Economics and institutions in the national and international economic development.
INFORMATION MANAGEMENT	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The course deals with the importance of information and its management in organizations and the main technologies and systems available to perform business activities at organizational levels, both those already consolidated and those that are market trends.
BUSINESS STRATEGY	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The course deals with the elaboration of strategic planning from a detailed analysis of the environment and internal factors of the organization, considering the limitations and advantages of the models proposed by the main authors and the main tools of environmental analysis and implementation for this purpose.
MANAGEMENT ACCOUNTING	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Study of financial and economic indicators obtained through the analysis of financial statements, which support the measurement and evaluation of results for administrative actions in financial management and decision making. Analysis of costs and expenses. Sales price formation from accounting information.
MUNICIPAL, STATE AND FEDERAL TAX MANAGEMENT	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The study of the rules of the incidence and calculation of taxes owed by companies as a result of their economic activities and owed to the Union (especially IRPJ, CSLL, IPI and PIS/CONFINS), to the States (ICMS), and to the Municipalities (ISSQN).



LAW SCHOOL

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
PHILOSOPHY OF LAW	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Philosophy of Law: subject and method. Ethical fundamentals of law. Political dimension of law. Law in the perspective of the theory of justice.
THEORY OF CRIME	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Study of the General Theory of Crime, including an analysis of human behavior, typicality, illegality, and culpability.
FAMILY LAW	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Study of the family. Marriage. Family entities outside of marriage. Assistance and protection of the family and the individual.
ENVIRONMENTAL LAW	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Emphasis on environmental protection and the fundamental principles of Environmental Law. Main applicable Brazilian legislation. Legal means of environmental protection. Legal aspects of environmental protection at national level.
PUBLIC INTERNATIONAL LAW	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Public and Private International Law. Historical evolution of International Law. The relationship between international law and domestic law. International legal personality. States, International Organizations and individuals as subjects of International Law. International responsibility of the States. Immunity from jurisdiction in International Law. The purposes and principles of the United Nations in promoting world peace. Sources of Public International Law. Peaceful settlement of international disputes. Political asylum. International protection for stateless persons and refugees. International Human Rights Law.
LEGAL RESEARCH METHODOLOGY	5	69h	Portuguese	To be enrolled in an undergraduate or graduate program	Presentation of the Undergraduate Thesis in Law at PUCRS and its stages: choice of topic, elaboration of the research project, implementation of the research, writing of the academic text, and oral presentation to the examining board. Training for the use of electronic databases for bibliographic research in e-books and electronic scientific journals. Formatting standards from the Brazilian Association of Technical Standards (ABNT). Guidance on an academic career: preparation of the Lattes curriculum, guidance for scientific publication, preparation for selection processes in Graduate Programs. Reflection on research ethics.



LAW SCHOOL

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
CONSTITUTIONAL PROCESS	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Theoretical and practical study of the procedural aspects of the 1988 Constitution of the Federative Republic of Brazil, with emphasis on constitutional actions, procedural constitutional guarantees, and the evolution and peculiarities of the Brazilian system of constitutionality control.
THEORY OF CONTRACTS	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Study of the main part of contract law, in a generic analysis of the contracts, that is, as institutes of law of obligations. The beginning of the study of the special part of contract law, with the analysis of some of the several typical contracts in Private Law.
THEORY OF ADMINISTRATIVE LAW	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Study of the State's administrative role. Administrative Law as an instrument of public administration. Principles of Administrative Law. Administrative Entities and activities. Public officials. Public servants. Public positions, functions and jobs. Public service and its delegation. Administrative Acts and Facts. Administrative activities and Powers. State's police power.
SPECIAL PROCEDURES	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	To normatively understand the legislation as a genuine form of law and the authority which the law asserts, the purpose of the Special Procedures course is to study actions in Civil Procedural Law, as well as some actions disciplined in specific legislation, based on the rites observed in the procedural systematic of contentious and voluntary jurisdiction. This is a course that aims to analyze, interpret, and research the use of actions which occur under the special rite, provided for by the Civil Procedure Code and the procedures provided for by uncodified legislation and its practices.
PSYCHOLOGY APPLIED TO LAW	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	Legal Psychology and Forensic Psychology. Fundamental concepts of the construction of personality. Main psychic functions and their alterations. Psychopathological classification of Mental Disorders. Investigation methods in Legal Psychology. Psychological Expertise the civil and criminal areas. The link between Cognitive Psychology and Law: mnemonic aspects of statements and testimonial evidence.



SCHOOL OF COMMUNICATIONS, ARTS AND DESIGN

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
CREATIVITY	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Understanding the creative process and its interfaces using definitions and concepts associated with the subjective and social spheres. The study of the development of ideas and the fostering of motivation through methods and techniques, establishing the difference between creativity and innovation in the creation of products aimed at the creative industry.
SCRIPTWRITING, PRODUCTION, DIRECTION AND EDITING FOR YOUTUBE	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Basic foundations of script writing, assistance, direction, and drama for digital video channels, from theoretical readings and practical activities, aiming at the understanding of the expressive possibilities of actors. Notions of audiovisual editing and production for Youtube.
DIGITAL CULTURE	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Introduction to concepts and elements of digital culture applied to the communications field. The fundamentals, principles and logic of the scenarios that have led to the digitalization of the means of communication, the Internet and the contexts of network communication.
ARTS AND VISUAL LANGUAGES	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Different artistic styles and their aesthetic implications for the languages used to communicate creative industry products with a focus on Design and Cinema. Understanding the arts as a creative repertoire, based on their characteristics resulting from historical transformations and associated them with contemporary visual culture. The link between the image and the viewer, considering perception and aesthetics.
INFLUENCERS AND MARKETING STRATEGIES	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	The various contexts of the sociology of influence through readings and study cases. Preparing the student for critical and constructive reflection on the contemporary digital scenario.
BEHAVIOR AND CONSUMPTION	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Studying the diversity, the development, and the role of research for the understanding of the personal and organizational consumer's behavior. The different visions and profiles of consumers and the decision-making process, considering internal and external influence factors.
HISTORY OF COMMUNICATION	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The history of communication, highlighting the main technological phases, from the dawn of humanity to contemporary days.



SCHOOL OF TECHNOLOGY

COURSE	SEATS	COURSE LOAD	LANGUAGE	COURSE REQUIREMENTS	COURSE INFORMATION
LANGUAGES, AUTOMATONS AND COMPUTING	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Introduction to Formal Languages: definitions, properties, operations. Theoretical and practical study of regular and context-free languages. Theoretical and practical study of the Turing Machine as a recognizer of languages and as a definition of algorithm and recursive procedure. Discussion on the Church-Turing Thesis. The Chomsky Hierarchy.
PSYCHOLOGY AND MANAGEMENT OF PEOPLE IN IT	5	30h	Portuguese	To be enrolled in an undergraduate or graduate program	The study of psychology's contributions to people management. Connections between perception, communication, and interpersonal relationships. The study of group roles. Reflection upon leadership and motivation in the context of contemporary work. Implications of the continuous changes in the technology foundation for IT professionals and users.
INFORMATION TECHNOLOGY INFRASTRUCTURE	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Presentation of the components that make up an Information Technology (IT) infrastructure and their functions. The study of the key points associated to IT infrastructure in IT management models. Analysis of the use of virtualization techniques. The main devices for processing, communication and storage. The study of infrastructure characteristics in cloud computing environments. The concept of Green IT. Assessment of study cases of IT infrastructure.
ORGANIC CHEMISTRY I	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Basic concepts of Organic Chemistry, structure and properties of carbon compounds; the study of spatial and optical isomerism, nomenclature and reactivity of organic functions.
SIMULATION AND ANALYTICAL METHODS	5	60h	Portuguese	To be enrolled in an undergraduate or graduate program	Study of techniques and options for simulation and stochastic analysis through computational models. Techniques for representing states and time, randomness and determinism in a computational context. Basic simulation methods and tools and analytical methods. Classical and structured formalisms for model representation.

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