



## **Courses in English - PUCRS 2021.1** (March-July)

- **1433M-04 Psychology of Education: Learning - 4 credits**

This course provides an overview of psychology of education, focusing on learning. It identifies and critically analyses different conceptions of learning, such as Pavlov's, Piaget's and Vygotsky's, demonstrating their importance for the field of education. It also examines attention, memory and motivation theories and how these might impinge on learning. The various topics are approached theoretically but there will be continuous reference to a number of practical studies and laboratory experiments demonstrating the impact that all these theories had on learning and the field of education.

- **2211F-04 Human Rights and Social Issues - 4 credits**

Study of the social and historical construction of Human Rights at the international context and in Brazil. International Protective Human Rights System, Brazilian Protective System. Analysis of the role of the State and Social Policies in the configuration of the Brazilian Protective Human Rights System.

- **12286-02 Creative Writing – 2 credits**

Creative Writing is an English, Literature and Creative Writing class pack. We'll discuss grammar, read important authors, play writing games and more, with a focus on experimenting, being creative and learning by immersing ourselves in the language and the art of writing. Intermediate knowledge of English (reading and writing) is required.

- **2325G-02 Digital Culture - 2 credits**

Introduction to the concepts and elements of digital culture applied to the communications field. Involves the study of the foundations, principles and logics of the scenario that led to the development of digitalization of media, the internet, and the context of network communication.

- **97132-04 Mobile Communication - 4 credits**

Technical and practical course focused on the discussion about Digital Communication, digital fluxes of information and contemporary interfaces. Debates about the effects and characteristics of the mobile environment as a platform to understand the dynamics of actual social communication. After this, the course transforms itself into a challenge to develop applications for mobile devices to explore how to innovate inside this area.

- **97100-02 Data Reporting and Visualization Applied to the Brazilian Context – 2 credits**

Theoretical and practical subject aiming to present basic concepts and practices of data reporting and data visualization. Analysis and discussion of Brazilian public data sets and news using data journalism. Basic notions of statistics and sampling. Information access laws. Data analysis using apps.

- **2541U-04 Project Management - 4 credits**

It deals to understand the five Project Management Process Groups (Initiating, Planning, Executing, Monitoring and Controlling, and Closing) to enhance overall knowledge of project in any organization. Also, understand how to integrate the 10



knowledge area processes, tools and techniques to perform any kind of project. Concepts include stakeholder, scope, quality, time, cost, human resource, communication, risk, procurement and project integration management.

- **2541V-04 Corporate Strategy – 4 credits**

It deals with the elaboration of the strategic planning from an detailed analysis of the environment and internal factors of the organization, considering the limitations and advantages of the models considered by the main authors, and using the predominant tools of ambient analysis and implementation for this end.

- **24188-02 Philosophy of Law - 2 credits**

Object and method. Ethical foundations of Law. The political dimension of Law. The Law in the perspective of the theory of Justice.

- **242BQ-04 Business Law II - Corporations - 4 credits**

The course aims at providing students with an overview of Corporate Law and Negotiable Instruments foreseen under Brazilian legislation. It emphasizes the main aspects of Business Companies, Stock Market and all the main types of Negotiable Instruments, such as drafts and notes. The main objective of the course is to provide students with the concepts of Corporate Law and Negotiable Instruments, developing an understanding of the basic structure of Business Companies and how the Stock Market works, as well as the Government role in regulating this market. It also aims to present a general overview of the several negotiable instruments foreseen under Brazilian legislation.

- **24590-04 Alternative Dispute Resolution - 4 credits**

Alternative Dispute Resolution (ADR) techniques – such as mediation, arbitration and conciliation – offer faster and more efficient solutions to many types of controversies. State courts' delay to resolve some conflicts is often criticized and that is precisely what ADR aims to avoid. The course provides students with a better comprehension of the access to justice as a fundamental right and the role of ADR techniques as means to achieve it.

- **4611J-04 Digital Entrepreneurship - 4 credits**

This course presents the main concepts an entrepreneur should know in order to start a digital business and covers all the major steps that must be undertaken to validate a business idea as quickly as possible.

- **98401-02 Climate Change and Carbon Management – 2 credits**

Introduction to climatology and climate change. Impacts and mitigation of climate change. Carbon cycle and management for emissions reduction. Solutions for direct and indirect capture of CO<sub>2</sub>; Technologies for CO<sub>2</sub> separation from effluents; Reuse, recycle and storage of CO<sub>2</sub>.

- **98400-02 Bioprocess Technologies – 2 credits**

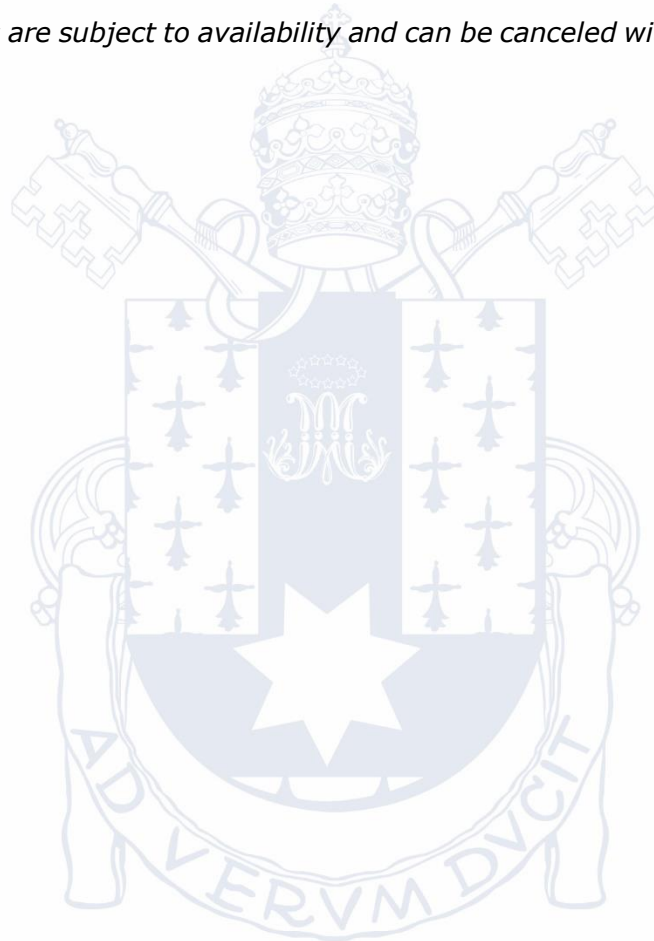
Introduction to Biotechnology and Bioprocess Engineering. Major products of biological processing. Steps in Bioprocess development. The Biorefinery. Microbial growth Kinetics. Media sterilization. Choosing the Cultivation Method. Batch Cultivations. Fed-Batch and Continuous cultivations. Immobilized Cell Systems. Solid-state Fermentations. Overview of methods for online and offline monitoring of bioreactors. Bioprocess separation techniques. Recombinant DNA technology (molecular biology).



- **98600-02 Quality Management System – 2 credits**

The quality concepts and its evolution. Quality in products, services and social networks. Topics about the Total Quality Control (TQC) and Total Quality Management (TQM) evolution. Quality costs and the cost management importance. Standardization and the PDCA and SDCA Cycles. We also present quality of working life, 5S programs and the most important international quality prizes.

**OBS:** *These courses are subject to availability and can be canceled without advance notice.*



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