

# DISCIPLINAS EM LÍNGUAS ESTRANGEIRAS

## COURSES IN FOREIGN LANGUAGES



2020.2  
FALL SEMESTER



HUMAN AND APPLIED  
SOCIAL SCIENCES

CIÊNCIAS HUMANAS  
E SOCIAIS APLICADAS

# PENSAMIENTO ECONÓMICO LATINOAMERICANO

Graduate Program in Economics — Prof. Javier Ghibaudi

El objetivo del curso es estudiar pensadores de referencia en el pensamiento económico latinoamericano y que buscaron entender la especificidad de la acumulación del capital en la región. Dentro de este amplio campo, el objeto de estudio son autores considerados fundacionales del pensamiento estructuralista como Raúl Prebisch, Anibal Pinto, María da Conceição Tavares y Celso Furtado. Del mismo, interesa tratar el debate que dichos autores suscitaron en cuestiones como el Estado, las clases sociales y la inserción de la región en el sistema capitalista internacional, así como las discusiones más recientes sobre la actualidad de sus reflexiones.

# ECONOMICS OF CASH TRANSFER POLICIES IN BRAZIL AND LATIN AMERICA

Graduate Program in Economics — Prof. Fabio Waltenberg

Syllabus TBA.

# ECONOMICS OF THE WELFARE STATE

## Graduate Program in Economics — Prof. Fabio Waltenberg

The course starts with a revision of essential theoretical concepts and measurement tools which are useful in analyzing social policies (part 1). Then comes an overview of the most prominent aspects of typical welfare state policies (part 2). Finally, a special attention is devoted to a selected topic in the Brazilian context, which in 2020-2 will be Basic Income Grant (part 3).

Contents: Part 1 – Essential concepts and tools: (1) Basic concepts; definition and objectives of a welfare state; (2) Insurance; (3) Political and economic justifications or social policies; (4) Taxation: basic notions; (5) Measurement issues: inequality, poverty, and opportunities; Part 2 – General aspects of social policies in specific areas: (6) Basic education; (7) Higher education; (8) Social security: consumption smoothing; (9) Social security: insurance; (10) Social assistance; (11) Health and health care; Part 3 – Selected topic in the Brazilian context. In 2020-2: Basic Income Grant; Part 4 – Concluding lecture: Why a welfare state? Which welfare state in Brazil?



HEALTH SCIENCES

CIÊNCIAS DA SAÚDE

# CARDIOPULMONARY PHYSIOPATHOLOGY

Graduate Program in Cardiovascular Sciences

Prof. Nazareth Rocha

Objectives: to offer the students a better understand of the cardiopulmonary interaction and the best methods to evaluate it. Contents: Normal cardiac structure and function; Pulmonary hypertension physiopathology; Lung and cardiac function in high altitude; COPD and cor pulmonale; The right function in health and disease; Mechanical ventilation and cardiac function; Invasive and non-invasive methods to evaluate lung and heart interactions.

## ADVANCED SEMINARS IN CARDIOVASCULAR SCIENCES

Graduate Program in Cardiovascular Sciences

Prof. Christianne Bretas

Biochemical and molecular study of the cardiovascular system: causes and Mechanisms of diseases; Multidisciplinary approach of the cardiovascular system: prevention of diseases based on lifestyle; Investigation of the cardiovascular system: diagnostic methods; Cardiovascular system modulation: pharmacological and non-pharmacological treatment; Discussion of scientific data.

# **EPIDEMIOLOGY APPLIED TO MICROBIOLOGY AND PARASITOLOGY**

**Graduate Program in Applied Microbiology and Parasitology**  
**Prof. Felipe Neves**

Having a general understanding of observational study design for laboratory professionals is essential to bring experimental results into a real-world context. On the other hand, it is important for epidemiologists and health professionals to understand laboratory processes, their limitations and their association with relevant research questions. The course aims to concentrate efforts of experts in epidemiology and molecular biology, from national and international institutions, in search of tools that help elucidate infectious diseases and their mechanisms of transmission in the population. The dynamics include case studies, study designs, and applications in Bacteriology, Mycology, Parasitology, and Virology.

## **ORAL PATHOLOGY CASES**

**Graduate Program in Pathology — Prof. Karin Cunha**

This course aims to consolidate and deepen topics in Oral Pathology, through the participation, discussion and presentation of cases in weekly sessions. This course is only offered in English.

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# **EXPLORING BIOLOGICAL SCIENCES USING THE ENGLISH LANGUAGE**

**Graduate Program in Applied Microbiology and Parasitology**  
**Prof. Felipe Neves**

We use the EMI (English as a medium of instruction) tool to discuss scientific literature, especially on topics in Biological Sciences. The goal is to stimulate interaction between professors and students, using articles, videos, podcasts, news, presentations of lectures / lectures by foreign researchers / collaborators and interviews on subjects related to research lines of the graduate program and related areas. The main goal is to practice speaking, writing, reading and comprehension of the English language. The dynamic of the course will vary, including discussion of articles, case studies and videos, and simulated situations such as interviews and presentations at international conferences and events.

# **SEMINARS OF BIOMEDICAL SC. RESEARCH**

**Graduate Program in Cardiovascular Sciences**  
**Prof. Christianne Bretas**

Reading, presentation and discussion of scientific articles in the field, covering multidisciplinary research and focusing on cardiovascular diseases investigation (causes and mechanisms, prevention, diagnosis and treatment). Discussion of scientific data.

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# STATISTICS AND RESEARCH DESIGN

Graduate Program in Dentistry — Prof. Claudia Mattos

Discipline for doctorate students. Seminars analyzing research design and statistics applied in the Dentistry field for scientific publication, including: quality of evidence; the evidence pyramid; RCTs; source of bias; randomization; use of controls; blinding or masking; sample size calculation; the effect size; the p value problem; confounding.





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