

Formação Transversal em: Estudos Internacionais			
Código	Título	CH	Ementa
CAD 001	Tópicos em Estudos Internacionais II: International marketing	30h	Marketing essentials. Globalization and consumer culture. International opportunity analysis. Physical, cultural, and institutional distance using Hofstede and Globe Project methodologies. Country of origin effect. Market segmentation around the world. Market potential, demand, and structure in cross-country analysis. Foreign market entry modes. Branding and positioning across countries. Cross-cultural decisions on marketing mix.
UNI143	The History of Aviation in Minas Gerais	30h	History of Aviation. The flight pioneers and what they achieved Santos Dumont. The first flight in Minas Gerais. The first airports. Lagoa Santa Factory. History of Centro de Estudos Aeronáuticos UFMG. The establishment of new companies in Minas Gerais.
UNI 169	The Geopolitics of Energy	45h	Introduction to EU system and law. Energy and the EU. EU Energy and Climate Policy. EU Energy Law. EU Climate Law. Incentivizing Low-Carbon Technologies. Sustainable financing and EU foreign policy.
UNI173	Topics in International Studies I: International Approach of Health Policy applied to medicines	15h	Present the historical aspects, conceptual and legal bases of the Brazilian health, focusing on drug policies. Compare access to medicines with countries in America and Europe and Australia.
UNI 174	Topics in International Studies II: Getting from College to Career: Career Management	30h	This is an introductory course designed to guide under graduating students on planning their career considering the transition from academy to labor market. Topics will include concepts of career in the contemporaneity, career anchors, career scripts, career images, career paths, social network, diferente generations in the workplace, drawing up a curriculum and making a career plan.
UNI175	Topics in International Studies III: Art, history and culture of Italy	45h	Elements of Italian civilization with emphasis on economic, political, social and contemporary aspects
UNI175	Topics in International Studies III: Global Perspectives of Indigenous Health	45h	The course discusses indigenous health issues from local to global. It will seek to develop students' basic cultural competence to work in indigenous health. It will address the issue of structural and social determinants of indigenous health, especially the role of public health, discussed within the framework of possible and necessary interculturality in the current situation, in dialogue with indigenous health professionals, shamans and other indigenous health agents. We will reflect on the integration between scientific knowledge and traditional indigenous knowledge, provided for in health protocols in Brazil, and we will seek to recognize issues related to health in the

			cosmovision of different indigenous peoples.
UNI176	Topics in International Studies IV: Electrochemistry Applied to Energy Storage and Conversion	60h	<p>1. INTRODUCTION</p> <p>1.1 - Concepts of thermodynamics in electrochemistry</p> <p>1.2 - Review of solid state chemistry topics (bands and energy levels)</p> <p>2 - RECHARGEABLE BATTERIES</p> <p>2.1 - Introduction and Historical Development</p> <p>2.2 - Review - Rechargeable Cells: Pb-acid, NiCd, NiMH, NaS, ZEBRA</p> <p>2.3 - Lithium Ion Batteries</p> <p>2.4 - Electrodes (cathodes, anodes) and electrolytes in lithium batteries</p> <p>2.5 - Assembly, failures and safety aspects of lithium batteries</p> <p>2.6 - New materials and future prospects</p> <p>3 - FUEL CELLS</p> <p>3.1 - Introduction, history and fundamentals</p> <p>3.2 - Environment and hydrogen as an energy vector</p> <p>3.3 - Principle of Operation and Characterization Techniques of Fuel Cells</p> <p>3.4 - Technologies (Types of Fuel Cells)</p> <p>3.5 - State of the art (PEMFC and SOFC)</p> <p>3.6 - Applications</p> <p>4 - SUPERCAPACITORS</p> <p>4.1 – Introduction, history and applications</p> <p>4.2 - Electrode and electrolyte materials;</p> <p>4.3 - Energy storage mechanisms in supercapacitors: electrical double layer and redox reactions (pseudocapacitance);</p> <p>4.4 - Symmetrical and asymmetrical supercapacitors</p> <p>4.5 - Electrochemical techniques for characterizing supercapacitors</p> <p>4.6 - Calculations: capacitance, energy and power densities, coulombic efficiency;</p> <p>4.7 - Evolution of supercapacitors: hybrid systems</p> <p>5 - SUN CELLS</p> <p>5.1 - Introduction and history</p> <p>5.2 - Basic concepts</p> <p>5.3 - Conjugated Polymers</p> <p>5.4 - Inorganic solar cells</p> <p>5.5 - Organic solar cells</p>
UNI176	Topics in International Studies IV: Population Mobility in Latin America in Historical Perspective	60h	<p>The last census round suggests that the Latin's America mobility pattern is characterised by some long-term continuities, such as the persistency of high rates of emigration, as well as changes in the volume and direction of flows – especially inside the region – and in the composition and characteristics of migrants – ever more diverse in terms of their origins and motives. The lectures and readings of the course will focus on the study of the causes and consequences of international population movements and their multiple social, economic, demographic and political dimensions in Latin America. The students will also learn about the historical and contemporary theoretical and methodological debates in the study of population mobility in the region and the world. Students are expected to be able to critically discuss the dynamics, opportunities and challenges of international population mobility and its political and socioeconomic implications.</p>

UNI176	Topics in International Studies IV: International Finance	60h	<p>The demand and supply of money in international financial markets. international investments in individual assets and in portfolios. Exchange rates and the relative values of currencies. risk management and hedge in companies with international operations. Financial instruments and management tools currency risk and country risk. Evaluation of international projects. Long-term financing for international investment projects. Fundraising in the financial markets international. The macroeconomic environment of international finance.</p>
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