

SYLLABUS

Name of the course:	Industry and structural change			
Teacher:	Carlos Frederico Rocha, Marta Castilho, Fabio Freitas, Kaio Costa			
University / organisation:	Institute of Economics - Universidade Federal do Rio de Janeiro			
Language of teaching:	Portuguese			
ECTS:				
Semester (S1, S2, S3 or S4):	<input checked="" type="checkbox"/> S1	<input type="checkbox"/> S2	<input type="checkbox"/> S3	<input type="checkbox"/> S4
Teaching method(s):	<input checked="" type="checkbox"/> Lecture courses		<input type="checkbox"/> Flipped classroom	
	Other: _____			
Type(s) of evaluation:	<input type="checkbox"/> Sitting exam		<input checked="" type="checkbox"/> Written report	
	<input type="checkbox"/> Oral defence		<input type="checkbox"/> Group project	
	Other / comments: _____			
Expected deadline(s) for the evaluation(s)				
Expected date of final results:				
Summary of the content:	<p>The objective of the course is to discuss the process of structural change in its analytical and empirical dimensions. This discussion is carried out both in theoretical and conceptual terms, based on the main theoretical contributions regarding the concept of structural change and its determinants, and in empirical terms by addressing selected phenomena that are potential inducers of structural change (Deindustrialization, Automation, Global Value Chains and Ecological transition). The last part of the course is dedicated to Input-Output techniques aimed at analysing structural change.</p>			
Indicative list of lectures:	<p>Topics:</p> <ol style="list-style-type: none"> 1. The concept of structural change and its method 2. Structural change, productivity and Engel's law 3. Structural change and external constraint: the elasticity pessimism 4. Productive specialization and capabilities 5. Structural change and diversification 6. Deindustrialization 7. Automation 			

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	<p>8. Fragmentation of production, global value chains (GVCs) and international trade</p> <p>9. Patterns of specialization, upgrading and effects of insertion into GVCs</p> <p>10. Environment and structural change</p> <p>11. Input-output techniques for structural change analysis</p> <p>a. Basic elements of input-output analysis</p> <p>b. Structural decomposition analysis</p>
<p>Short bibliography:</p>	<p>Andreoni, A., & Tregenna, F. (2020). Escaping the middle-income technology trap: A comparative analysis of industrial policies in China, Brazil and South Africa. <i>Structural Change and Economic Dynamics</i>.</p> <p>Baldwin, Richard. Global supply chains: why they emerged, why they matter, and where they are going. In: ELMS, Deborah K.; LOW, Patrick (Orgs.). <i>Global value chains in a changing world</i>. Geneva: WTO Publications, 2013. p. 13-60.</p> <p>Cassini, Obaya e Robert (2018) <i>Estructura Productiva, Tecnología y Desarrollo Económico</i>. Programa De Investigadores / Secretaría De Comercio, Ministerio De Producción.</p> <p>Cimoli, M., Porcile, G. e Rovira, S. (2010) Structural change and the BOP-constraint: why did Latin America fail to converge? <i>Cambridge Journal of Economics</i>, 34, 389-411.</p> <p>Dosi, G., Riccio, F., & Virgillito, M. E. (2020). Varieties of deindustrialization and patterns of diversification: why microchips are not potato chips (No. 2020/11). Laboratory of Economics and Management (LEM), Sant'Anna School of Advanced Studies, Pisa, Italy.</p> <p>Hausmann, Huang e Rodrik (2007) What you export matters. <i>Journal of Economic Growth</i> 12:1-25.</p> <p>Marcato, M. B., & Baltar, C. T. (2020). Economic upgrading in global value chains. <i>Revista Brasileira de Inovação</i>, 19, e020002-e020002.</p> <p>PEREZ, C. (2013) A vision for Latin America: a resource-based strategy for technological dynamism and social inclusion. <i>Economica</i>,</p> <p>Thirlwall, A. Balance of payments constrained growth models: history and overview. <i>PSL Quarterly Review</i>, vol. 64 n. 259, 307-351.</p>