

Syllabus

Course Description

Course Title	Economic Policy
Course Code	27506
Course Title Additional	
Scientific-Disciplinary Sector	SECS-P/02
Language	English
Degree Course	Master in Data Analytics for Economics and Management
Other Degree Courses (Loaned)	Loaned from course 27600A – Master in Public Policy and Innovative Governance (LM-63)
Lecturers	Prof. Mirco Tonin, Mirco.Tonin@unibz.it https://www.unibz.it/en/faculties/economics-management/academic-staff/person/35916
Teaching Assistant	
Semester	First semester
Course Year/s	1
CP	6
Teaching Hours	36
Lab Hours	6
Individual Study Hours	-
Planned Office Hours	18
Contents Summary	The course explores the role of public policy in achieving sustainable development goals (SDGs) through economic interventions. Students will gain knowledge of the tools used in sustainable policy formulation. The course aims to equip students with the analytical skills needed to assess and design effective public policies for sustainable economic development.
Course Topics	1. The Public Sector <ul style="list-style-type: none"> • Size and Development of the Public Sector • Understanding Public Policy Frameworks 2. Public Policy Toolbox

	<ul style="list-style-type: none"> • Tools and Strategies in Public Policy • Case Studies and Applications <p>3. Sustainable Development Principles</p> <ul style="list-style-type: none"> • Concepts and History of Sustainable Development • Introduction to Sustainable Development Goals (SDGs) <p>4. Integrating SDGs into Economic Policy</p> <ul style="list-style-type: none"> • Role of Public Policy in Achieving SDGs • Strategies and Challenges in Implementation <p>5. Local and Global Externalities</p> <ul style="list-style-type: none"> • Understanding and Addressing Externalities • Policy Approaches and Solutions <p>6. Public Goods</p> <ul style="list-style-type: none"> • Provision and Management • Cost-Benefit Analysis in Public Projects <p>7. Innovation Policy</p> <ul style="list-style-type: none"> • Technology, Growth, and Green Transition • The Role of Innovation in Sustainable Development
Keywords	<p>Economic Policy</p> <p>Innovation</p> <p>Sustainability</p>
Recommended Prerequisites	
Propaedeutic Courses	
Teaching Format	Frontal lectures, exercises, projects.
Mandatory Attendance	Recommended but not required.
Specific Educational Objectives and Learning Outcomes	<p>Intended Learning Outcomes (ILO)</p> <p>ILO 1 Knowledge and understanding:</p> <p>ILO 1.1</p> <p>Students will develop specialised knowledge within the economic and business domains, tailored to their areas of interest and essential for addressing decision-making and managerial challenges in both public and private organisations. This learning outcome emphasises an interdisciplinary approach to problem-solving and organisational analysis.</p> <p>ILO 1.2</p> <p>Within the Data Analytics for Economics track, students will acquire advanced knowledge in economic theory, economic analysis, and econometrics through the study of microeconomics and</p>

	<p>macroeconomics, decision theory under uncertainty, time-series analysis and forecasting techniques, and methods for causal inference using both administrative and experimental data. Additionally, students will develop competencies in data analysis, applying quantitative and computational approaches to address complex economic problems.</p> <p>ILO 2 Applying knowledge and understanding:</p> <p>ILO 2.1</p> <p>Students will demonstrate the ability to analyse business-related issues that underpin data-driven decision support by applying statistical models and computational modelling techniques. This outcome focuses on integrating quantitative methods to evaluate and optimise organisational decision-making processes.</p> <p>ILO 2.2</p> <p>Students will demonstrate the ability to utilise and apply models designed for market analysis and for the formulation of economic policies. This outcome emphasises the integration of theoretical and empirical approaches to support evidence-based policy development and strategic decision-making.</p> <p>ILO 3 Making judgements:</p> <p>ILO 3.1 The student acquires the ability to apply acquired knowledge to interpret data in order to make directional and operational decisions in a business context.</p> <p>ILO 3.2 The student acquires the ability to apply acquired knowledge to support processes related to production, management and risk promotion activities and investment choices through the organisation, analysis and interpretation of complex databases.</p> <p>ILO4 Communication skills:</p> <p>ILO 4.1 The student acquires the ability to communicate effectively in oral and written form the specialised content of the individual disciplines, using different registers, depending on the recipients and the communicative and didactic purposes, and to evaluate the formative effects of his/her communication.</p> <p>ILO 5 Learning skills:</p> <p>ILO 5.1 The student acquires knowledge of scientific research</p>
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	<p>tools. He/she will also be able to make autonomous use of information technology to carry out bibliographic research and investigations both for his/her own training and for further education. Furthermore, through the curricular teaching and the activities related to the preparation of the final thesis, she will be able to acquire the ability</p> <ul style="list-style-type: none"> - to identify thematic connections and to establish relationships between methods of analysis and application contexts; - to frame a new problem in a systematic manner and to implement appropriate analysis solutions; - to formulate general statistical-econometric models from the phenomena studied.
Specific Educational Objectives and Learning Outcomes (additional info.)	
Assessment	<p>Written and project work: written exam with review questions and project report done in groups.</p> <p>For Attending Students:</p> <ul style="list-style-type: none"> • Team Project Report and Presentation (30%): Students will collaborate on a comprehensive project report that is relevant to the course's subject matter. This report will be accompanied by a presentation, where each team will articulate their findings and recommendations (ILOs 1-5). • Written Exam (70%): The exam will consist of review questions designed to test students' understanding of the course material. Questions will range from theoretical knowledge to application-based scenarios that require critical thinking and synthesis of learned concepts (ILOs 1-5). <p>For Non-Attending Students:</p> <ul style="list-style-type: none"> • Written Exam (100%): Non-attending students will take a more extensive written exam (ILOs 1-5).
Evaluation Criteria	<p>Evaluation criteria relevant for both assessments: clarity of answers, mastery of specific terminology, ability to summarize, evaluate, and establish relationships between topics, ability to apply concepts to real-world examples.</p> <ul style="list-style-type: none"> • Team Project Report:

	<ul style="list-style-type: none"> • Depth and accuracy of content • Integration and application of course concepts to the project topic • Originality and creativity in problem-solving and analysis • Clarity, organization, and professionalism of the written report • Team Presentation: • Effectiveness of communication and ability to engage the audience • Visual and analytical clarity of presentation materials • Responsiveness to questions and ability to discuss the project in depth • Written Exam: • Comprehension of course material and key concepts • Ability to apply theoretical knowledge to practical scenarios • Critical thinking and analytical skills in responding to review questions • Quality of written communication, including structure and articulation of arguments
Required Readings	<p>The entrepreneurial state, 10th anniversary edition, by Mariana Mazzucato. Penguin.</p> <p>ISBN: 9780141986104</p> <p>A collection of articles will be provided at the beginning of the course.</p>
Supplementary Readings	<p>Background material is covered in Public Finance and Public Policy, by Jonathan Gruber, 7th edition – Chapters 1, 2, 3, 5, 6, 7, 8, 9, 10 ISBN: 1319466923</p>
Further Information	
Sustainable Development Goals (SDGs)	<p>Decent work and economic growth, Responsible consumption and production, Industry, innovation and infrastructure</p>