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 • Size and Development of the Public Sector • Understanding Public Policy Frameworks 2. Public Policy Toolbox

	• Tools and Strategies in Public Policy • Case Studies and Applications 3. Sustainable Development Principles • Concepts and History of Sustainable Development • Introduction to Sustainable Development Goals (SDGs) 4. Integrating SDGs into Economic Policy • Role of Public Policy in Achieving SDGs • Strategies and Challenges in Implementation 5. Local and Global Externalities • Understanding and Addressing Externalities • Policy Approaches and Solutions 6. Public Goods • Provision and Management • Cost-Benefit Analysis in Public Projects 7. Innovation Policy • Technology, Growth, and Green Transition • The Role of Innovation in Sustainable Development
Keywords	Economic Policy Innovation Sustainability
Recommended Prerequisites	
Propaedeutic Courses	
Teaching Format	Frontal lectures, exercises, projects.
Mandatory Attendance	Recommended but not required.
Specific Educational Objectives and Learning Outcomes	Knowledge and understanding: The student acquires specific knowledge of the economic and business domains of his/her interest and necessary to address decision-making and management issues in public and private organisations with an interdisciplinary perspective. In the Data Analytics for Economics pathway, knowledge will be oriented towards economic theory, economic analysis and econometrics through the development of micro- and macroeconomics, decision theory under conditions of uncertainty, time series analysis and forecasting techniques, methods for causal inference from both administrative and experimental data. Knowledge will also be oriented towards data analysis. In the Business Analytics track, the knowledge acquired will concern the tools necessary for analysing and interpreting business and organisational data, as well as

	business economic measurements, business models and their evolution, tools and techniques to support decision-making, performance measurement systems consistent with digitisation and sustainability processes, the governance of marketing processes, with particular regard to digital and interactive marketing and the impact of digitisation on marketing activities. Applying knowledge and understanding: Ability to analyse business issues that characterise data-driven decision support through the application of statistical and computational models. Ability to use and apply models for market analysis and economic policy formulation. Making judgements: Master's graduates will have the ability to apply the acquired knowledge to interpret data in order to make directional and operational decisions in an economic-business context. Master graduates will have the ability to apply the 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. Communication skills: Master's graduates will be able to communicate effectively in oral and written form the specialised contents of the individual disciplines, using different registers, depending on the recipients and the communicative and didactic purposes, and to evaluate the formative effects of their communication. Learning skills: "MSc graduates should be familiar with the tools of scientific research. They will also be able to make autonomous use of information technologies to carry out bibliographic research and investigations both for their own training and for further education. In addition, through the curricular teaching and the activities related to the preparation of the final thesis, they will be able to acquire the ability - 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	Written and project work: written exam with review questions and project report done in groups. For Attending Students: • 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. • 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. For Non-Attending Students: • Written Exam (100%): Non-attending students will take a more extensive written exam.
Evaluation Criteria	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. • Team Project Report: • 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	The entrepreneurial state, 10th anniversary edition, by Mariana Mazzucato. Penguin. ISBN: 9780141986104 A collection of articles will be provided at the beginning of the course.
Supplementary Readings	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
Further Information	
Sustainable Development Goals (SDGs)	Decent work and economic growth, Responsible consumption and production, Industry, innovation and infrastructure