

Intensive Summer School in Health Economics and Econometrics (SSHEE)* Study Plan

Academic Year	2021-2022
Department	Economia e diritto
Programme Activation Resolution Date	22/03/2022
Programme Coordinator	Debora Di Gioacchino
Minimum Number of Students Admitted	10
Maximum Number of Students Admitted	20
Admission Requirements	Bachelor's Degree
Learning Outcomes	The aim of the course is to provide students with the most widely used econometric tools in the field of empirical research applied to health economics.
Expected Results	At the end of the course the student will have acquired the skills to critically appraise econometric works concerning health economics both at the micro and macro level, with particular focus on the ex-post evaluation of health policies.
Start of the Lessons	26/09/2022
Lesson Schedule	26.09.2022 from 9.00 to 13.00 27.09.2022 from 8.30 to 15.00 28.09.2022 from 8.30 to 15.00 e from 18.00 to 20.00 29.09.2022 from 8.30 to 15.00
Internship	Not expected

Lessons Modalities	convenzionaleIn person
ECTS	4
Sapienza Professors Involved in the Teaching Activities	Elton Beqiraj Francesco Bloise Silvia Coretti Debora Di Gioacchino Marilena Giannetti Marco Ventura
Affiliate Partner	Comune di Ventotene (Agreement to be defined)
Venues (Agreement required)	Ventotene (LT)
Enrolment fee – two instalments max	350 Euros
Any partial or total exemptions from the payment - portion pertaining to the Department expressed as a percentage (whole number) with regard to the registration fee (max two types of exemptions)	Scholarships for students enrolled in Sapienza partially or fully covering the enrolment fee
Students Office	sshee@uniroma1.it

Programme Activities

(Lessons, Seminars, Internships, Final Exam)

Activity	Professor in Charge	Academic Field	CFU	Duration (hours)	Type of Activities	Language
Activity I: <u>Introduction</u> Module 1: This module will introduce basic concepts in health economics. Module 2: This module will introduce basic econometrics with STATA Module 3: <u>Special lecture</u> Prof. David Canning, Harvard School of Public Health, Harvard University will speak about “Epidemiology and Biostatistics versus Econometrics: Different World Views.”	Prof. Di Gioacchino	SECS-P02	1	6	Lessons in person and Laboratory	English
Activity II: <u>Policy evaluation 1</u> Module 1: This module will discuss asymmetric information in health insurance. Module 2: This module aims at introducing Regression Discontinuity (RD) estimator to evaluate local causal effects in a non-experimental setting. Module 3: In this module, RD will be applied to estimate the effect of co-payment exemption in Italy on the number of specialist visits and other relevant outcome variables.	Prof. Di Gioacchino and Prof. Ventura	SECS-P02 e SECS-P05	1	6	Lessons in person and Laboratory	English
Activity III: <u>Foreign Capital and Health. A macrodynamic approach</u> Module 1: This module will review the relevance of foreign capital in promoting health and economic development.	Prof. Giannetti and Prof. Beqiraj	SECS-P01 e SECS-P02	1	6	Lessons in person and Laboratory	English

Module 2: This module will introduce the panel data technique and dynamic panel estimators Module 3: The techniques explained in the previous module will be applied to analyze the impact of FDI on Sub-Saharan countries						
Activity IV: <u>Policy evaluation 2</u> Module 1: This module will discuss the Italian experience of recovery plans in regional health services. Module 2: This module will introduce machine learning techniques focusing on prediction accuracy, model selection, and regularization. Module 3: In this module, machine learning will be applied to predict the spread of COVID-19 in Italy and to show that intensity and interrelatedness of economic activities are key for the pandemic's diffusion.	Prof. Coretti and Prof. Bloise	SECS-P03 e SECS-P02	1	6	Lessons in person and Laboratory	English

Final Exam	Not expected	SSD Not expected			<i>Dissertation, project work etc.</i>
Further Activitied	Not expected	SSD Not expected			<i>Seminars, Conventios, etc</i>
TOTAL ECTS			4		

The minimum number of ECTS that can be assigned to an activity is 1 (pursuant to art.23 of the University Didactic Regulations it is specified that 1 ECST is equal to 6 - 10 hours of lessons, or 9 - 12 hours of laboratory or guided exercise, or 20 - 25 hours of professionalising training activities in small groups or assisted study).

Elton Beqiraj is Assistant Professor of Economic Policy at Sapienza University of Rome. He received a PhD in Economics from Sapienza University of Rome in 2014. His main field of expertise is on quantitative models and his research and teaching interests include fiscal and monetary policy. He collaborated as an economic consultant with different Italian and international institutions.

Francesco Bloise is Assistant Professor (Rtda) of Economics Policy at Sapienza University of Rome. His research interests include, intergenerational mobility, equality of opportunity, income and wealth inequality, and machine learning prediction and identification methods. He collaborates as an economic consultant with the World Bank and the Italian Ministry of Economy and Finance.

Silvia Coretti is Assistant Professor in Public Finance at Sapienza University of Rome, Italy. She holds a MSc in Health Economics from the University of York and a PhD from the Catholic University of the Sacred Heart. Her research activities are related to the evaluation of health policies with a specific focus on adoption of technologies and their effects of efficiency and productivity.

Debora Di Gioacchino is Associate Professor at Sapienza University of Rome, where she teaches economic policy and health economics. She holds a PhD from the University of Cambridge. Her research interests include political economics, inequalities, education, health and social policy. She has published in international peer reviewed journals.

Marilena Giannetti, Ph.D., is researcher and lecturer at Sapienza University of Rome. She is the director of the M. A. in Health Economics. Currently she teaches Migration, Economics, and Health and Economic Development. In the past, she has been a Consultant to the Ministry of Foreign Trade. Her main research interests are the economics of migration, and health economics. She has participated to several international research projects and her articles have been published on national and international academic journals and books.

Marco Ventura is Associate Professor of econometrics at Sapienza University of Rome. He received a PhD from Sapienza University of Rome, Faculty of Statistics. His research interests are in the field of causality with a special focus on the evaluation of policy programs. He worked as a consultant for the Ministry of Economic Development. He is author of articles published in well-established scientific journals.