



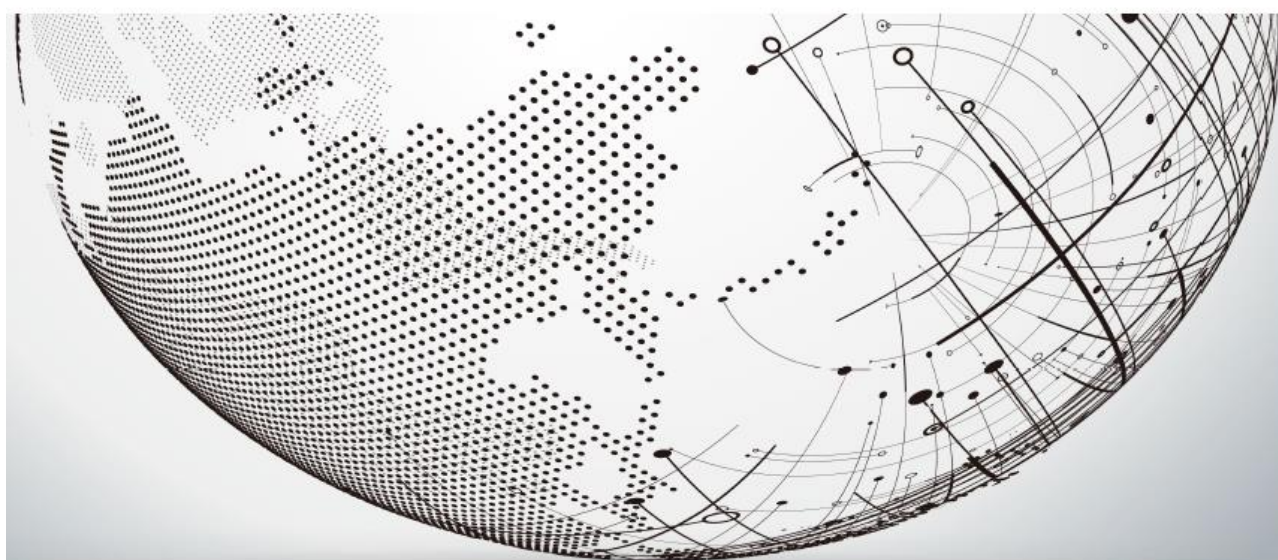
UNIVERSITÀ
DEGLI STUDI
FIRENZE

School of Economics
and Management

master of science

Economics and Development

MSc in **ECONOMICS AND DEVELOPMENT**



2020/2021

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1. THE MASTER COURSE STRUCTURE

The MSc in Economics and Development offers lessons and research projects in the heart of Florence. With its interdisciplinary approach to the teaching of economics and an excellent student to staff ratio, this MSc offers an international environment thanks to its students which come from all over the world, and its teaching staff from the Department of Economics and Management, the Department of Statistics, the Department of Law, and the Department of Political Science of the University of Florence together with visiting professors from other universities around the world.

The MSc in Economics and Development provides two curricula: a **curriculum in *Development Economics*** and a **curriculum in *Economics***. Each curriculum prepares students for different careers, and it is a worthy experience which equips students with advanced tools to conduct theoretical and applied research in the fields of economics or economic development, to collect and analyse quantitative and qualitative information from local, national and international datasets, and to use economic and econometric methods to evaluate and formulate global and sectoral economic policies.

For the curriculum in Development Economics, the MSc offers the possibility to take part in the **Double Degree** organized with the MA in Development Economics of the University of Göttingen (DE) (see Section 8).

For the curriculum in Economics, students can choose between a Track in Economics and a Track in Behavioural Economics (see Section 6).

MSc website: <https://www.development-lm.unifi.it/>

2. LEARNING OUTCOMES AND CAREER OPPORTUNITIES

The two curricula of the MSc in Economics and Development provide students with a competitive advantage in any profession that requests a diversified spectrum of skills to analyse and possibly solve socio-economic problems within international organisations, companies or governments. Key competences acquired by graduates and which are highly valued by employers include solid economic knowledge, problem-solving skills, analytical thinking, and economic intuition. A sound background in economics and quantitative methods is matched with a multidisciplinary approach (legal, business, finance, historic, etc.) to allow students to develop other useful skills for the job market.

The **curriculum in *Development Economics*** can be tailored to a *Quantitative Analysis for Developing Economies*, which equips students with advanced quantitative methods and skills for studying economic development phenomena or it can be oriented towards *Development Studies*, with a less technical and more interdisciplinary approach. It provides an ideal background for pursuing a PhD programme (in Development Economics and related topics) at leading universities around the world or for work as a professional development economist in national and international agencies, civil service appointments, Non-Governmental Organizations (NGOs) and private sector companies with interests in developing countries.

The **curriculum in *Economics*** provides students with the advanced quantitative methods and skills necessary to conduct both theoretical and applied research in economics and to evaluate and formulate policies. This curriculum can be tailored to a standard **Track in *Economics*** which equips students with the advanced quantitative methods and skills necessary to conduct both theoretical and applied

research in economics, and to use economic and econometric methods to evaluate and formulate global and sectorial economic policies; or to a ***Track in Behavioural Economics*** which equips students with tools for theoretical and experimental analysis of individual behaviours and institutions, taking into account the effects of psychological, cognitive, emotional, cultural and social factors. Both tracks provide an ideal background for pursuing a PhD programme (in Economics and related topics) at leading universities around the world or for work as a professional economist in a wide range of positions in private economic consultancy agencies, business, finance, national and international organisations and governments.

3. PREREQUISITES

Applicants should have a final undergraduate grade with pass proceed (i.e. permit to proceed to graduate studies). Applicants who graduated in Italy should have a final grade of at least 99/110 (for foreign students: if the pass proceed is not indicated it will be calculated and should be equivalent to 99/110). Students who do not fulfil this requirement but are motivated to apply can do so but may be called for an interview (if necessary also online) or may have to sit a test (admission decisions are taken by the Admission Committee).

As far as credits (ECTS) are concerned, the current academic entry requirements from a BA degree course are to have earned at least 18 credits in Economics, 6 credits in Statistics, and 6 credits in Mathematics. It is necessary to have a very good working knowledge (written and oral) of the English Language (at least a B2 level of the Common European Framework). Students who do not meet these academic requirements (in terms of credits or English knowledge), need to earn the missing credit points before being formally admitted, either at the University of Florence (as individual exams) or at the University of origin of the potential candidates.

To meet the English language proficiency prerequisites, students need to satisfy one of the following requirements:

- give evidence that their undergraduate degree course was taught entirely in English;
- certify their knowledge at a European B2 level (Cambridge First certificate, TOEFL, IELTS, etc.);
- pass a B2 English language test organised by Dr. Ilona V. Cziraky (ilona.cziraky@unifi.it), who is in charge of the degree course's language admission test;
- have passed the English language test of the degree courses in Economia Aziendale, Economia Commercio, SECI-OP, Statistica at the University of Florence.

Furthermore, basic knowledge of computer skills (such as writing software and spread sheets) are recommended. Basic Italian is an advantage but not essential.

4. PRELIMINARY COURSES AND ACADEMIC CALENDAR

The MSc in Economics and Development organizes a preliminary course in STATISTICAL INFERENCE at the beginning of September 2020. The timetable is the following:

September 7, 2020: 15:00-18:00, online
September 8, 2020: 15:00-18:00, online
September 9, 2020: 15:00-18:00, online
September 10, 2020: 15:00-18:00, online

Platform and link to attend the lessons will be published on the MSc webpage at the beginning of September 2020.

The teaching calendar for the academic year 2020/2021 is the following:

First semester: September 14, 2020 – December 9, 2020

Second semester: February 22, 2021 May 28, 2021 (Easter break from April 1 to April 7, 2021)

The exam calendar* for the academic year 2020/2021 provides six Exam Sessions** and is the following:

- Winter:

➤ 1st Exam session: from 07/01/2021 to 22/01/2021

➤ 2nd Exam session: from 01/02/2021 to 19/02/2021

- Summer a:

➤ 1st Exam session: from 03/06/2021 to 25/06/2021

➤ 2nd Exam session: from 05/07/2021 to 23/07/2021

- Summer b:

➤ Exam session: from 30/08/2021 to 10/09/2021

- Fall:

➤ Exam session: from 13/12/2020 to 22/12/2020

* This calendar is a generic indication of the time slot in which teachers will insert the exact date of their exam.

** Exam session = “Appello”

5. CURRICULUM IN DEVELOPMENT ECONOMICS: STUDY PLAN

First year	Sector	Course	Semester	ECTS	Professor
	Secs-p/01	Development Microeconomics	I	9	<i>Alessandro Cigno</i>
	Secs-p/02	Development Macroeconomics	II	9	<i>Alessandro Tampieri Luca Tiberti</i>
	Secs-s/01	Statistical Inference	I	9	<i>Fabrizio Cipollini Silvia Bacci</i>
		Choose two from:		12	
	Secs-p/01	Economics of Innovations	I		<i>Mauro Lombardi</i>
	Secs-p/03	Health and Education Economics	I		<i>Lisa Grazzini</i>
	Secs-p/01	Human Development and International Cooperation	I		<i>Mario Biggeri</i>
		Choose one from:		6	
	Secs-s/06	Mathematical Methods for Economic Analysis	I		<i>Domenico Colucci Michele Gori</i>
	Secs-s/05	Measurement and Causes of Poverty	II		<i>Alessandra Petrucci Bruno Arpino</i>

		Choose one from:		12	
	Secs-p/11	Firms' Financing, Bank Management and Sustainable Finance	II		<i>Federica Ielasi M.Cristina Arcuri</i>
	Secs-p/08 and Secs-p/11	Corporate Governance, Firms' Financing and Financial Markets	II		<i>Sara De Masi M.Cristina Arcuri</i>
	Secs-p/08 and Secs-p/11	Corporate Governance, Bank Management and Sustainable Finance	II		<i>Sara De Masi Federica Ielasi</i>
		Choose one from:		6	
		Joint Seminar Florence-Goettingen (3 ECTS)	II		<i>Donato Romano Sebastian Vollmer</i>
		Stata Lab. I: Software (3 ECTS)	II		<i>Gianluca Stefani</i>
		Stata Lab. II: Models and Applications (3 ECTS)	II		<i>Leonardo Grilli</i>
		Policy Evaluation Methods and Practices Lab.	II		<i>Gianluca Stefani</i>
		Econometrics Lab.	II		<i>Alessandro Palandri Lapo Filistrucchi</i>
		Economics Lab. (Competition Policy)	II		<i>Lapo Filistrucchi</i>
		English for Economics	I		<i>Ilona V. Cziraky</i>
		French	I		<i>TBA</i>
		German	I		<i>Rena Otte</i>
		Spanish	I		<i>Caucchi Von Saucken Jacopo Aldighiero</i>
Second year	Sector	Course	Semester	ECTS	
		Choose one from:		6	
	Secs-p/02	International and Financial Economics	II		<i>Giulio Cifarelli</i>
	Secs-p/01	International Trade	I		<i>Giorgia Giovannetti</i>
		Choose one from:		6	
	Ius/05	Economic Law	I		<i>Filippo Zatti</i>
	Ius/13	International law	I		<i>Antonio Bultrini</i>
		Choose two from:		12	
	Agr/01	Agriculture Development and Poverty	I		<i>Donato Romano</i>
	Agr/01	Agri-food Economics	II		<i>Andrea Marescotti</i>
	M-dea/01	Anthropology and Development	II		<i>Alberto Cacopardo</i>

	Secs-p/12	Economic History of Globalisation	I		<i>Luciano Segreto</i>
	M-ggr/02	Environment and Development	II		<i>Filippo Randelli</i>
	Secs-p/04	History of Economic Thought	II		<i>Piero Bini</i>
	Sps/11	International Conflict Transformation	II		<i>Giovanni Scotto</i>
	Secs-p/02	Labour economics	II		<i>Gianna Giannelli</i>
	Secs-p/06	Local and Industrial Development Economics	II		<i>Mario Biggeri</i>
	Sesc-p/05	Microeconometrics	I		<i>Giorgio Calzolari</i>
	Ius/20	Politics of Globalisation and Human Rights	II		<i>Lucia Re</i>
		Choose two Optional Courses and/or Traineeship. Suggested Courses:		12	
		Policy Evaluation Methods and Practices Lab.	II		<i>Gianluca Stefani</i>
	Agr/01	Agriculture Development and Poverty	I		<i>Donato Romano</i>
	Agr/01	Agri-food Economics	II		<i>Andrea Marescotti</i>
	M-dea/01	Anthropology and Development	II		<i>Alberto Cacopardo</i>
		Econometrics Lab.	II		<i>Alessandro Palandri</i> <i>Lapo Filistrucchi</i>
	Secs-p/12	Economic History of Globalisation	I		<i>Luciano Segreto</i>
		Economics Lab (Competition Policy)	II		<i>Lapo Filistrucchi</i>
	Ius/05	Economic Law	I		<i>Filippo Zatti</i>
	Secs-p/01	Economics of Innovations	I		<i>Mauro Lombardi</i>
		English for Economics	I		<i>Ilona V. Cziraky</i>
	M-ggr/02	Environment and Development	II		<i>Filippo Randelli</i>
		French	I		<i>TBA</i>
		German	I		<i>Rena Otte</i>
	Secs-p/03	Health and Education Economics	I		<i>Lisa Grazzini</i>
	Secs-p/04	History of Economic Thought	II		<i>Piero Bini</i>
	Secs-p/01	Human Development and International Coop.	I		<i>Mario Biggeri</i>
	Secs-p/02	International and Financial Economics	II		<i>Giulio Cifarelli</i>
	Sps/11	International Conflict Transformation	II		<i>Giovanni Scotto</i>
	Ius/13	International Law	I		<i>Antonio Bultrini</i>
	Secs-p/01	International Trade	I		<i>Giorgia Giovannetti</i>
	Secs-p/02	Labour Economics	II		<i>Gianna Giannelli</i>
	Secs-p/06	Local and Industrial Development Economics	II		<i>Mario Biggeri</i>
	Secs-s/06	Mathematical Methods for Economic Analysis	II		<i>Domenico Colucci</i> <i>Michele Gori</i>

	Secs-s/05	Measurement and Causes of Poverty	II		<i>Alessandra Petrucci</i> <i>Bruno Arpino</i>
	Sesc-p/05	Microeconometrics	I		<i>Giorgio Calzolari</i>
	Ius/20	Politics of Globalisation and Human Rights	II		<i>Lucia Re</i>
		Spanish	I		<i>Cauci Von Saucken Jacopo Aldighiero</i>
		Stata Lab I: software (3 ECTS)	II		<i>Gianluca Stefani</i>
		Stata Lab II: Models and applications (3 ECTS)	II		<i>Leonardo Grilli</i>
	Secs-s/01	Elements of Policy Evaluation Methods	II		<i>Fabrizia Mealli</i>
		Joint Seminar Florence-Goettingen (3 ECTS)	II		<i>Donato Romano</i> <i>Sebastian Vollmer</i>
	Secs-s/01	Causal Inference and Program Evaluation (9 ECTS)	II		<i>Fabrizia Mealli</i>
	-	Thesis		21	

* Please note that the study plan has to be defined by each student and validated by the commission before the end of the first semester of the first year (the head of the commission is Prof. Domenico Colucci).

Contact: Prof. Leonardo Boncinelli (leonardo.boncinelli@unifi.it)

6. CURRICULUM IN *ECONOMICS*: STUDY PLANS IN ECONOMICS AND BEHAVIOURAL ECONOMICS

6.1 Track in ECONOMICS

First Year	Sector	Course	Semester	ECTS	Professor
	Secs-s/06	Game Theory and Microeconomics	I	9	<i>Domenico Menicucci</i>
	Secs-p/01	Advanced Microeconomics	II	6	<i>Annalisa Luporini</i>
	Secs-p/01	Advanced Macroeconomics	II	9	<i>Federico Etro</i>
	Secs-s/01	Statistical Inference	I	6	<i>Fabrizio Cipollini</i> <i>Silvia Bacci</i>
	Secs-s/06	Mathematics for Economics	I	9	<i>Antonio Villanacci</i>
		<i>Choose one from:</i>		12	
	Secs-p/08 and Secs-p/11	Corporate Governance, Bank Management and Sustainable Finance	II		<i>Sara De Masi</i> <i>M.Cristina Arcuri</i>

	Secs-p/11	Firms' financing, Bank Management and Sustainable Finance	II		<i>Federica Ielasi</i> <i>M.Cristina Arcuri</i>
	Secs-p/08 and Secs-p/11	Corporate Governance, Firms' Financing and Financial Markets	II		<i>Sara De Masi</i> <i>M.Cristina Arcuri</i>
		Choose one from:		6	
	Ius/05	Economic Law	I		<i>Filippo Zatti</i>
	Ius/13	International law	I		<i>Antonio Bultrini</i>
Second Year	Sector	Course	Semester	ECTS	
	Secs-p/01	Political Economy	I	6	<i>Alessandro Gioffré</i> <i>Alessandro Tampieri</i>
	Secs-p/05	Microeconometrics	I	6	<i>Giorgio Calzolari</i>
	Secs-p/05	Macroeconometrics	I	6	<i>Gabriele Fiorentini</i>
		Choose one from:		6	
	Secs-p/03	Behavioural Economics	II		<i>Chiara Rapallini</i>
	Secs-p/02	Computational Economics	I		<i>Giorgio Ricchiuti</i>
	Secs-p/01	Economics of Innovation	I		<i>Mauro Lombardi</i>
	Secs-p/02	International and Financial Economics	II		<i>Giulio Cifarelli</i>
	Secs-p/01	International Trade	I		<i>Giorgia Giovannetti</i>
	Secs-p/02	Labour Economics	II		<i>Gianna Giannelli</i>
	Secs-p/03	Public Economics	II		<i>Lapo Filistrucchi</i>
		Choose one from:		6	
		Econometrics Lab	II		<i>Alessandro Palandri</i> <i>Lapo Filistrucchi</i>
		Economics Lab (Competition Policy)	II		<i>Lapo Filistrucchi</i>
		Mathematics Lab	II		<i>Antonio Villanacci</i>
		Experimental Economics Lab			<i>TBA</i>
		Choose two Optional Courses and/or Traineeship. Suggested Courses:		12	
	Secs-p/02	Behavioural and Social Evolution	I		<i>Leonardo Boncinelli</i>
	Secs-p/03	Behavioural Economics	II		<i>Chiara Rapallini</i>
	Secs-p/02	Computational Economics	I		<i>Giorgio Ricchiuti</i>
		Econometrics Lab	II		<i>Alessandro Palandri</i> <i>Lapo Filistrucchi</i>
	Secs-p/12	Economic History of Globalisation	I		<i>Luciano Segreto</i>

		Economics Lab (Competition Policy)	II		<i>Lapo Filistrucchi</i>
	Ius/05	Economic Law	I		<i>Filippo Zatti</i>
	Secs-p/01	Economics of Innovation	I		<i>Mauro Lombardi</i>
	Secs-p/03	Health and Education economics	I		<i>Lisa Grazzini</i>
	Secs-p/04	History of Economic Thought	II		<i>Piero Bini</i>
	Secs-p/02	International and Financial Economics	II		<i>Giulio Cifarelli</i>
	Ius/13	International Law	I		<i>Antonio Bultrini</i>
	Secs-p/01	International Trade	I		<i>Giorgia Giovannetti</i>
	Secs-p/02	Labour Economics	II		<i>Gianna Giannelli</i>
	Secs-s/06	Quantitative Finance and Derivatives	I		<i>Maria Elvira Mancino</i>
	Secs-s/06	Computational Finance	I		<i>Lucio Geronazzo</i>
	Secs-s/01	Elements of Policy Evaluation Methods	II		<i>Fabrizia Mealli</i>
	Secs-p/03	Public Economics	II		<i>Lapo Filistrucchi</i>
	Secs-s/01	Causal Inference and Program Evaluation (9 ECTS)	II		<i>Fabrizia Mealli</i>
	-	Thesis		21	

6.2 Track in BEHAVIOURAL ECONOMICS

First year	Sector	Course	Semester	ECTS	Professor
	Secs-s/06	Game Theory and Microeconomics	I	9	<i>Domenico Menicucci</i>
	Secs-p/01	Advanced Microeconomics	II	6	<i>Annalisa Luporini</i>
	Secs-p/01	Advanced Macroeconomics	II	9	<i>Federico Etro</i>
	Secs-s/01	Statistical Inference	I	6	<i>Fabrizio Cipollini</i> <i>Silvia Bacci</i>
	Secs-s/06	Mathematics for Economics	I	9	<i>Antonio Villanacci</i>
		<i>Choose one from:</i>		12	
	Secs-p/08 and Secs-p/11	Corporate Governance, Bank Management and Sustainable Finance	II		<i>Sara De Masi</i> <i>Federica Ielasi</i>
	Secs-p/11	Firms' Financing, Bank Management and Sustainable Finance	II		<i>Federica Ielasi</i> <i>M.Cristina Arcuri</i>
	Secs-p/08 and Secs-p/11	Corporate Governance, Firms' Financing and Financial Markets	II		<i>Sara De Masi</i> <i>M.Cristina Arcuri</i>
		<i>Choose one from:</i>		6	
	Ius/05	Economic Law	I		<i>Filippo Zatti</i>
	Ius/13	International Law	I		<i>Antonio Bultrini</i>

Second year	Sector	Course	Semester	ECTS	
	Secs-p/01	Political Economy	I	6	<i>Alessandro Gioffrè Alessandro Tampieri</i>
	Secs-p/05	Microeconometrics	I	6	<i>Giorgio Calzolari</i>
	Secs-p/02	Behavioural and Social Evolution	I	6	<i>Leonardo Boncinelli</i>
	Secs-p/03	Behavioural Economics	II	6	<i>Chiara Rapallini</i>
		Experimental Economics Lab		6	<i>TBA</i>
		Choose two Optional Courses and/or Traineeship. Suggested Courses:		12	
	Secs-s/01	Elements of Policy Evaluation Methods	II		<i>Fabrizia Mealli</i>
	Secs-p/02	Computational Economics	I		<i>Giorgio Ricchiuti</i>
	Secs-s/05	Social Network Analysis	II		<i>Maria Francesca Marino</i>
		Policy Evaluation Methods and Practices Lab	II		<i>Gianluca Stefani</i>
	-	Thesis		21	

* Please note that the study plan has to be defined by each student and validated by the commission before the end of the first semester of the first year (the head of the commission is Prof. Annalisa Luporini).

** Course of the MSc in Statistics, Actuarial and Financial Sciences.

Contact:

Prof.ssa Annalisa Luporini (annalisa.luporini@unifi.it)

7. AGREEMENT WITH SYRACUSE UNIVERSITY IN FLORENCE

Students of the MSc can take advantage of an agreement with Syracuse University in Florence (Piazza Savonarola n.15) for joint courses and activities. Usually, two courses of the MSc in Economics and Development are held at Syracuse University, and can be attended by both UNIFI students and SUF students.

This agreement enables UNIFI students to get to know American students, improve their English skills and build international networks.

Please notice that during the a.y. 2020/2021, due to COVID-19 restrictions, no course of the MSc in Economics and Development will be offered at Syracuse University in Florence.



For further information on Syracuse University in Florence, click here: <http://suflorence.syr.edu/>



©Syracuse University – Villa Rossa (piazza Savonarola n.15)



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8. DOUBLE DEGREE

This Double Degree Program is offered by the University of Florence, MSc in Economics and Development (curriculum in Development Economics) and the [University of Göttingen \(DE\)](#), MA in [Development Economics](#).

It offers students of the curriculum in Development Economics the opportunity to spend their first year at Florence University and their second year at the University of Göttingen where they write their master thesis which is recognized by both universities. At the end of the Double Degree Program, students earn two degrees, one from each university.

Why do a Double Degree?

A Double Degree is a joint program which allows you to:

- study at two top economics schools;
- earn two degrees, one from each university which, if done separately, would take four years of studies;

- gain international experience;
- be more competitive in the labour market;
- broaden your horizons;
- build strong international networks.



Students and life - © University of Goettingen

8.1. PROGRAM OVERVIEW

Depending on where students start the Double Degree, they will spend the first academic year at the University of Florence or at the University of Göttingen and the second academic year at the University of Göttingen or at the University of Florence. Master theses comply with the regulations of the university where students spend the second academic year and are recognised by the partner university.



The University – © University of Goettingen

This program focuses on a quantitative analysis of developing economies. By providing students with advanced quantitative methods and skills, it is designed to equip graduates with cutting-edge research techniques, to develop in-depth knowledge of the driving forces behind economic development, to prepare them to think analytically and to evaluate and formulate global and sectoral economic policies.

Key competences provided include the capacity to conduct both theoretical and applied research in the fields of economic development, poverty analysis and international cooperation and integration;

furthermore, students acquire the ability to develop and manage complex cooperation programs within national and international organizations including Non-Governmental Organisations (NGOs) and private sector companies with an interest in developing countries.

At the University of Florence, the program starts in September and students will take both mandatory and specialization courses of the MSc in Economics and Development (curriculum in Development Economics).

After the first academic year in Florence, students spend the entire second year in Göttingen, taking courses from the Master in Development Economics degree course. These courses count towards the degree in Economics and Development from the University of Florence. The last semester in Göttingen is dedicated to the completion of the master thesis according to the regulations of the University of Göttingen.

Educational objectives:

At the end of the programme, graduates will be able to:

- collect and analyse quantitative and qualitative data from local, national, and international data sets;
- understand micro and macro phenomena from an economic point of view;
- use theoretical and applied (including econometric) tools to analyse economic systems;
- evaluate and formulate economic policies.

The program will not only provide a sound background in economics and quantitative methods but will also give students a multidisciplinary approach.

Career perspectives:

The opportunities for this program include employment in government and aid agencies working on development issues, international organizations, policy research institutions, international business in multinational companies, and enrolment in a PhD programme.



The campus and the city – © University of Göttingen

8.2. STUDY PLAN FOR STUDENTS FROM THE UNIVERSITY OF FLORENCE

Students spend the first academic year in Florence and the entire second academic year in Göttingen. The last semester (in Göttingen) is dedicated to the completion of the master thesis, according to the regulations of the University of Göttingen.

First academic year at the University of Florence

Participants have to spend the first two semesters of the first year (academic year: September-July/August) at the University of Florence. During the first two semesters at the University of Florence students have to pass courses in the scope of 60 Credits according to the following regulations.

a. Mandatory courses (27 C):

B016433	Development Microeconomics	9 C
B016434	Development Macroeconomics	9 C
B016441	Statistical Inference	9 C

b. Mandatory course in Quantitative Economics (6 C)

Choose one of the following courses:

B016458	Mathematical Methods for Economic Analysis	6 C
B020849	Measurement and Causes of Poverty	6 C

c. Mandatory course in Selected Topics (6 C)

Choose one of the following courses:

B020853	Labour Economics	6 C
B016505	Agriculture Development and Poverty	6 C
B016512	Environment and Development	6 C
B016456	Microeconometrics	6 C
B016470	Local and Industrial Development	6 C

d. Mandatory course in Law (6 C)

Choose one of the following courses:

B020836	Economic Law	6 C
B020837	International law	6 C

e. Mandatory course in Management and Business Studies (12 C)

Choose one of the following courses:

B019219	Firms' financing, bank management and sustainable finance Corporate governance, bank management and sustainable finance Corporate Governance, Firms' Financing and Financial Markets	12 C
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f. Mandatory seminar (3 C)

XXX	Joint-Seminar Florence - Göttingen	3 C
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Second academic year at the University of Göttingen

Participants spend the third and fourth semester at the University of Göttingen academic year: October – July/August). During this period participants have to pass 60 Credits according to the regulations of the Master program in Development Economics of the University of Göttingen scheduled in the paragraphs below. 60 C will be recognized for the Master program in Economics and Development within the framework of the Double Degree program by the University of Florence.

a. Mandatory Course in Development Economics (6 C)

M.SIA.E11	Socioeconomics of Rural Development and Food Security	6 C
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b. Mandatory courses in selected topics (12 C)

Choose one of the following courses from two different tables:

M.WIWI-VWL.0122	Behavioural Development Economics	6 C
M.WIWI-VWL.0086	Macroeconomics of Open Economies	6 C
M.WIWI-VWL.0155	International Trade and the Labour Market	6 C
M.WIWI-VWL.0117	Growth, Resources, and the Environment	6 C

	Advanced Development Economics	6 C
M.WIWI-VWL.0144	Migration Economics: Replication course	6 C

M.WIWI-VWL.0083	Economic reform and social justice in India	6 C
	Quasi-Experiments in Development Economics	6 C
	International Development Policy	6 C

M.WIWI-VWL.0096	Essential of Global Health	6 C
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c. Mandatory courses in International Economics (6 C)

Choose one of the following courses:

M.WIWI-VWL.0040	Empirical Trade Issues	6 C
M.WIWI-VWL.0092	International Trade	6 C
M.WIWI-VWL.0095	International Political Economy	6 C
M.SIA.E.19	Market Integration and Price Transmission I	6 C
M.WIWI-VWL.0162	Firms in International Trade	6 C

d. Mandatory Seminar (6 C)

Choose one of the following modules:

M.WIWI-VWL.0025	Seminar Development Economics, 6 C
M.WIWI-VWL.0024	Seminar on the Economic Situation of Latin America in the 21st Century: 'Challenges of Economic Development in Latin America'
M.WIWI-VWL.0035	Seminar: Economic Effects of Regional Integration, 6 C
M.WIWI-VWL.0046	Seminar: Topics in European and Global Trade, 6 C
M.WIWI-VWL.0055	Seminar: Globalization and Development, 6 C
M.WIWI-VWL.0061	Seminar: Methods of Policy Evaluation: Case Studies, 6 C
M.WIWI-VWL.0063	Seminar: Sustainable Development, Trade and Environment, 6 C
M.WIWI-VWL.0065	Seminar: Economics of Crime, 6 C
M.WIWI-VWL.0105	Seminar: Controversies in Development Economics, 6 C
M.WIWI-VWL.0122	Seminar: Behavioral Development Economics, 6 C
M.WIWI-VWL.0131	Seminar: Business Cycles in Developing Countries, 6 C
M.WIWI-VWL.xxx	Seminar: Empirical Applications of Game Theory, 6 C
M.WIWI-VWL.0132	Seminar: New Development in International Economics, 6 C

M.WIWI-QMW.0024	Seminar: Financial Liberalization, Financial Development and Economic Growth, 6 C
M.WiWi-VWL.0167	Seminar: Topics in International Trade, 6 C
M.WIWI-VWL.0123	Seminar: Recent Topics in Macroeconomics, 6 C
M.WIWI-VWL.xxxx	Seminar: Financial Markets and the Macroeconomy, 6 C
M.WIWI-VWL.0161	Seminar: Empirical Development Economics, 6 C
M.WIWI-VWL.0025	Seminar: Development Economics IV, 6 C
M.WIWI-VWL.0132	New Developments in International Economics, 6 C
M.WIWI-VWL.0063	Sustainable Development, Trade and Environment, 6 C
M.WIWI-VWL.0123	Recent Topics in Macroeconomics, 6 C
M.WIWI-VWL.0137	Seminar: Games in Economic Development, 6 C
M.WIWI-VWL.0029	Seminar in Operations Research, 6 C
M.WIWI-VWL.0143	Seminar: Mind, Society and Development, 6 C
M.WIWI-VWL.0023	Seminar on the Economic Situation of Latin America in the 21 st century: Trade related and Macroeconomic Issues for Latin American Policy Making, 6 C
M.WIWI-VWL.0130	Seminar Gender Differences in Labor Economics, 6 C
M.WIWI-VWL.0046	Seminar in European and Global Trade, 6 C
M.SIA.E20	Agricultural Policy Seminar, 6 C
	The Political Economy of Social Protection
	Seminar: China's Economic and Political Development

e. Master Thesis (30 Credits)

The Master Thesis will be written in the fourth semester according to the regulations of the University of Göttingen. The Master Thesis will be recognized for the Master program in Economics

8.3. STUDY PLAN FOR STUDENTS FROM THE UNIVERSITY OF GÖTTINGEN

Students spend the first academic year in Göttingen and the entire second academic year in Florence. The last semester (in Florence) is dedicated to the completion of the master thesis, according to the regulations of the University of Florence.

1. Participants have to spend the first two semesters (academic year: October- July/August) at the University of Göttingen. During the first two semesters at the University of Göttingen students have to pass courses in the scope of 60 Credits according to the following regulations:

a. Mandatory courses (18 C):

M.SIA.E11	Socioeconomics of Rural Development and Food Security, 6 C
M.WIWI-VWL.0008	Development Economics I, Macro Issues in Economic Development, 6 C
M.WIWI-VWL.0009	Development Economics II, Micro Issues in Development Economics, 6 C

b. Choose one of the following mandatory modules (6 C):

M.WIWI-QMW.0004	Econometrics I, 6 C
M.WIWI-QMW.0005	Econometrics II, 6 C

c. Quantitative Economics (6 C)

Choose one of the following modules:

M.WIWI-VWL.0010	Development Economics III, Regional Perspectives in Development Economies, 6 C
M.WIWI-VWL.0147	Empirical Political Economy, 6 C
M.WIWI-VWL.0138	Quasi-Experiments in Development Economics, 6 C
M.WIWI-VWL.0021	Gender and development , 6 C
M.WIWI-VWL.0148	Field Experiments in Development Economics
M.WIWI-VWL.0150	Advanced Game Theory, 6 C
M.WIWI-VWL.0042	European Economy, 6 C
M.WIWI-VWL.0141	Internet Economics, 6 C
M.WIWI-VWL.xxxx	Urban Economics , 6 C
M.WIWI-VWL.0007	Institutional Economics II: Research in Experimental Economics, 6 C
M.WIWI-VWL.0001	Advanced Microeconomics, 6 C
M.WIWI-VWL.0153	Advanced Labour Economics, 6 C

d. Mandatory course in Quantitative Economics (6 C)

M.WIWI-VWL.0099	Poverty & Inequality, 6 C
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e. Mandatory Seminar (6 C)

Choose one of the following modules:

M.WIWI-VWL.0025	Seminar Development Economics, 6 C
M.WIWI-VWL.0024	Seminar on the Economic Situation of Latin America in the 21st Century: 'Challenges of Economic Development in Latin America'
M.WIWI-VWL.0035	Seminar: Economic Effects of Regional Integration, 6 C
M.WIWI-VWL.0046	Seminar: Topics in European and Global Trade, 6 C
M.WIWI-VWL.0055	Seminar: Globalization and Development, 6 C

M.WIWI-VWL.0061	Seminar: Methods of Policy Evaluation: Case Studies, 6 C
M.WIWI-VWL.0063	Seminar: Sustainable Development, Trade and Environment, 6 C
M.WIWI-VWL.0065	Seminar: Economics of Crime, 6 C
M.WIWI-VWL.0105	Seminar: Controversies in Development Economics, 6 C
M.WIWI-VWL.0122	Seminar: Behavioral Development Economics, 6 C
M.WIWI-VWL.0131	Seminar: Business Cycles in Developing Countries, 6 C
M.WIWI-VWL.xxx	Seminar: Empirical Applications of Game Theory, 6 C
M.WIWI-VWL.0132	Seminar: New Development in International Economics, 6 C
M.WIWI-QMW.0024	Seminar: Financial Liberalization, Financial Development and Economic Growth, 6 C
M.WiWi-VWL.0167	Seminar: Topics in International Trade, 6 C
M.WIWI-VWL.0123	Seminar: Recent Topics in Macroeconomics, 6 C
M.WIWI-VWL.xxxx	Seminar: Financial Markets and the Macroeconomy, 6 C
M.WIWI-VWL.0161	Seminar: Empirical Development Economics, 6 C
M.WIWI-VWL.0025	Seminar: Development Economics IV, 6 C
M.WIWI-VWL.0132	New Developments in International Economics, 6 C
M.WIWI-VWL.0063	Sustainable Development, Trade and Environment, 6 C
M.WIWI-VWL.0123	Recent Topics in Macroeconomics, 6 C
M.WIWI-VWL.0137	Seminar: Games in Economic Development, 6 C
M.WIWI-VWL.0029	Seminar in Operations Research, 6 C
M.WIWI-VWL.0143	Seminar: Mind, Society and Development, 6 C
M.WIWI-VWL.0023	Seminar on the Economic Situation of Latin America in the 21 st century: Trade related and Macroeconomic Issues for Latin American Policy Making, 6 C
M.WIWI-VWL.0130	Seminar Gender Differences in Labor Economics, 6 C
M.WIWI-VWL.0046	Seminar in European and Global Trade, 6 C
M.SIA.E20	Agricultural Policy Seminar, 6 C

f. Statistics (6 C)

Choose one of the following modules if not selected in 1b or c:

M.WIWI-VWL.0138	Quasi-Experiments in Development Economics, 6 C
M.WIWI-QMW.0004	Econometrics I, 6 C
M.WIWI-QMW.0005	Econometrics II, 6 C

M.WIWI-QMW.0010	Multivariate Verfahren, 6 C
M.WIWI-QMW.0009	Introduction to Time Series Analysis, 6 C
M.WIWI-QMW.0012	Multivariate Time Series Analysis, 6 C
M.WIWI-QMW.0016	Spatial Statistics, 6 C
M.WIWI-QMW.0022	Selected Topics in Quantitative Methods Development Econometrics, 6 C
	Financial Econometrics
	Panel Data Econometrics
M.WIWI-QMW.0013	Applied Econometrics, 6 C
M.WIWI-QMW.0025	Development Microeconometrics, 6 C
M.WIWI-QMW.0034	Python for Econometrics, 6 C
	Advanced Topics in Stata

g. Mandatory courses in Management and Business Studies (12 C)

Students have to pass courses in the scope of 12 C in the area of Management and Business Studies (Module classification: M.WIWI-BWL.XXXX).

M.WIWI-BWL.0004:	Financial Risk Management 6 C
M.WIWI-BWL.0018	Analysis of IFRS Financial Statements, 6 C
M.WIWI-BWL.0020	Risk Management and Solvency, 6 C
M.WIWI-BWL.0112	Corporate Development, 6 C
M.WIWI-BWL.0122	Cross Cultural Management, 6 C
M.WIWI-BWL.0133	Banking Supervision, 6 C
M.WIWI-BWL.0137	Electronic Commerce Systems, 6 C
	Doing Business in Japan, 3 C
	Doing Business in Korea, 3 C
	Doing Business in India, 3 C
	International Human Resource Management 6C
M.Agr.0156	Microfinance for the Rural Poor: A Business Class 6C
M.SIA.E17M	Management and management accounting 6C

2. Participants spend the first and second semester of the second year (academic year: September-July/August) at the University of Florence During this period participants have to pass 60 Credits according to the regulations of the Master program Economics and Development of the

University of Florence scheduled in the paragraphs below. 60 C will be recognized for the Master program in Development Economics within the framework of the Double Degree program by the University of Göttingen.

a. Mandatory course in Law (6 C)

Choose one of the following courses:

	Economic Law	6 C
B020837	International law	6 C

b. Mandatory course in International Economics (6 C):

Choose one of the following courses:

B026829	International Trade	6 C
B016437	International and Financial Economics	6 C

c. Mandatory course in Economics (12 C):

Choose two of the following courses:

B020847	Health and Education Economics	6 C
B016453	Economics of Innovation	6 C
B016454	Human Development and International Cooperation	6 C

d. Mandatory course in Selected Topics (6 C)

Choose one of the following courses:

B020853	Labour Economics	6 C
B016505	Agriculture Development and Poverty	6 C
B016512	Environment and Development	6 C
B016456	Microeconometrics	6 C
B016470	Local and Industrial Development	6 C

e. Electives (6 C)

Choose one of the following courses (if not already selected):

B016453	Economics of Innovation	6 C
B016454	Human Development and International Cooperation	6 C
B020847	Health and Education Economics	6 C
B020849	Measurement and Causes of Poverty	6 C
B016458	Mathematical Methods for Economic Analysis	6 C

	Policy Evaluation Methods and Practices Lab.	6 C
B020842	Econometrics Lab.	6 C
	Stata Lab I: software (3 ECTS)	6 C
	Stata Lab II: Models and applications (3 ECTS)	
	International Trade	6 C
B016437	International and Financial Economics	6 C
B020853	Labour economics	6 C
B016505	Agriculture Development and Poverty	6 C
B016512	Environment and Development	6 C
B016456	Microeconometrics	6 C
B016470	Local and Industrial Development	6 C
B020843	Economics Lab.	6 C
B020841	Macroeconometrics	6 C
	Advanced Microeconomics	6 C
	Political Economy	6 C
	Behavioural and social evolution	6 C
B026401	Behavioural Economics	6 C
B028630	Computational Economics	6 C
B026836	Public Economics	6 C
B019185	Computational Finance	6 C
B028011	Sustainable Tourism for Local System Development	6 C

f. Mandatory seminar (3 Credits)

XXX	Joint-Seminar Florence - Göttingen	3 C
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g. Master Thesis (21 Credits): The Master Thesis will be written in the fourth semester according to the regulations of the University of Florence. The Master Thesis will be recognized for the Master program in Development Economics by the University of Göttingen.

9. COURSES AND INSTRUCTORS

Advanced Microeconomics

ECTS: 6

Year: 1

Semester: II

Instructors: [Annalisa Luporini](#)

Monopoly. Price discrimination. Regulation of a natural monopoly. Oligopoly theory. Game Theory: Repeated games. Asymmetric information and market failures. Adverse selection. Signalling. Screening. Principal- agent models with: i) hidden action ii) hidden information. Applications of the principal-agent model.

Advanced Macroeconomics

ECTS: 9

Year: 1

Semester: II

Instructors: [Federico Etro](#)

The objective of the course is to understand key reasoning about the fundamental macroeconomic questions (what affects growth? what determines and propagates the business cycle? what is the impact of fiscal and monetary policy? how international interactions affect the answers to these questions), develop the main dynamic theories developed in macroeconomics and learn how to use them.

- 1) Microfoundations of macroeconomics: a) review of consumer behavior and theory of perfect in general equilibrium and monopolistic competition (Dixit-Stiglitz model) b) review of technology and firms' behavior in general equilibrium and trade c) review of decisions under uncertainty and the role of expectations.
- 2) Growth: foundations of the neoclassical growth model of Solow, sources of endogenous growth, the Romer model of innovation and its applications and impact of increasing population.
- 3) Consumption and investment theory: foundations of dynamic optimization of consumers and firms and applications to overlapping generations models and Ramsey model.
- 4) Business Cycles: foundations of the basic real business cycle model, its extensions and its application to open economies.
- 5) New-Keynesian theory: microfoundations of sticky price models and development of the canonical dynamic stochastic general equilibrium model.
- 6) Macroeconomic policy: the role of monetary and fiscal policy in neoclassical and New-Keynesian models, time-consistency issues and optimal monetary and fiscal policy.
- 7) Selected topics: a) principles of macroeconomic estimation (calibration, structural estimation and Bayesian estimation), b) imperfections in labor, credit and goods markets, c) political economy of macroeconomics, d) macroeconomic impact of pandemics.

Agriculture, Development and Poverty

ECTS: 6

Year: 2

Semester: I

Instructor: [Donato Romano](#)

The overall objective is providing the theoretical and methodological foundations for quantitative evaluation of policy impacts on poverty and food security in rural areas in LDCs. The course approach

is based on two coordinated sets of activities, namely: (i) critical review of theories and models, and (ii) empirical analysis of case studies. The contents of the lectures are the following: Policy impact evaluation, The profit function approach, Agricultural supply response, Food security, Farmer behaviour and welfare under risk, Agricultural household models, Partial equilibrium analysis of price distortions, Sectoral impacts of macroeconomic policies, The real exchange rate, Transaction costs and agrarian institutions, Input-output tables, Social accounting matrices, CGE models.

SDGs covered in the course are: 1, 2, 5, 8, 10, 12, 13, 15.

Agri-food Economics

ECTS: 6

Year: 2

Semester: II

Instructor: [Andrea Marescotti](#)

Basics of agricultural economics. Supply, demand, and markets. The specificities of agriculture. The evolution of agriculture: from productivism to multifunctionality. The agribusiness. Processing, distribution, consumption. The Common Agricultural Policy and its evolution. Food quality, typical products, short food supply-chain. Food tourism.

Anthropology and Development

ECTS: 6

Year: 2

Semester: II

Instructor: [Alberto Cacopardo](#)

Can economic and social solutions be applied uniformly to different peoples and countries regardless of cultural differences? Why is it that what works for Germany might not work for Greece and what works for India might not work for Kenya? Anthropology is the science of cultural diversity that can guide us in understanding the great variety of outcomes in economic and human development at a macro and micro level. What is culture, how it shapes our thoughts, our values and behaviours, and how it relates to social, political, economic and environmental facts, is discussed in the first part of this course, drawing on the experience of long-term field research with non-Western local communities. On this basis, the second part deals with the anthropological study of development work and its understanding of the causes and circumstances of successes and failures in the field. Contents of this course are relevant to all SDGs, but particularly the SDGs covered are: 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 16, 17

Behavioural and Social Evolution

ECTS: 6

Year: 2

Semester: I

Instructors: [Leonardo Boncinelli](#)

In the first part, the content will be based on the following tools: - Evolutionary game theory: evolutionary stability, ecological dynamics, replicator dynamics; - Learning: reinforcement learning, imitation, myopic best response; - Long-run equilibria: mistakes/experimentation allow transitions across equilibria, making some of them more prominent than others.

In the second part the following themes will be addressed: - Cognition: evolution of learning rules, deliberation & intuition; - Cooperation: kin selection, direct reciprocity, indirect reciprocity, network reciprocity, group competition, punishment; - Coordination and social norms: stag hunt game, battle of the sexes; personal norms, descriptive norms, injunctive norms; - Social preferences and morality: homo economicus, homo socialis, homo moralis, homo parochialis, homo universalis; - Conflict, institutions and power: conflict (hawk-dove game), property rights (hawk-dove-bourgeois game), hegemony vs. balance of power.

The SDGs covered in the course are: 4, 11, 16.

Behavioural Economics

ECTS: 6

Year: 2

Semester: II

Instructors: [Chiara Rapallini](#)

The course will introduce students to the key concepts of the behavioral economic literature, like bounded rationality, the use of heuristics for complex choices, the prospect theory, framing effect, etc. In other words, standard issues of the economic theory, like the choices under risk and social preferences, will be analyzed with the lens of the behavioral approach. Together with the theory, several applications of the behavioral approach to the saving decisions, to the wage's definition and its rigidity, to the public goods provision, to the role played by incentives and punishment for economic behavior will be discussed. A specific attention will be given to the theory of "nudging" for designing policies. Students will be introduced to the experimental methods and will experience a few practical sessions in the lab.

The SDGs covered in the course are: 3,4,5,10.

Causal inference and program evaluation

ECTS: 9

Year: 2

Semester: II

Instructor: [Fabrizia Mealli](#)

Statistical methods for inferring causal effects from data from randomized experiments or observational studies. Students will develop expertise to assess the credibility of causal claims and the ability to apply the relevant statistical methods for causal analyses. Examples from many disciplines: economics, education, other social sciences, epidemiology, and biomedical science. Evaluations of job training programs, educational voucher schemes, changes in laws such as minimum wage laws, medical treatments, smoking, military service.

Computational Economics

ECTS: 6

Year: 2

Semester: I

Instructors: [Giorgio Ricchiuti](#)

For the most theoretical models, the research of an elegant analytical solution has led to the acceptance of stringent and ad hoc hypotheses, leading to results often not supported by empirical evidence. Of course, analytical solutions are clearly necessary to reach clear policy suggestions. Therefore, relaxing these hypotheses could achieve complex results in line with reality but at the cost of having less clear-cut economic insights. Computational economics allows the construction of a bridge between a theory now in plaster and a growing literature that sees in the simulations the solution of everything but whose results are often driven by a black box. This course aims at analyzing what could be the role of computation to improve our understanding of economic phenomena, providing an introduction to scientific programming and computational methods in economics, combining a "hands on" approach with a theoretic oriented perspective.

The SDGs covered in the course are: 4, 8, 9.

Corporate Governance, Firms' Financing and Financial Markets

ECTS: 12

Year: 1

Semester: II

Instructors: [Sara De Masi](#), [Maria Cristina Arcuri](#)

Corporate Governance - Sara De Masi

Corporate governance deals with the set of policies, process and customs by which an organization is directed. This course aims to provide a deep understanding of the fundamentals of corporate governance from a variety of angles – the board of directors, senior management, investors, media, regulators and society – and from an international perspective.

After a highlight on the main corporate governance systems (US, Italy, Germany and developing countries), relevant theories and issues of corporate governance practices will be analyzed (i.e., ownership and control, conflict of interests, board of directors, institutional environments, managerial incentives). Students will gain skills required for understanding corporate behaviours. They will be introduced to issues in corporate governance through lectures, class discussions and cases study.

Course overview: Definitions of corporate governance; main theories; corporate governance systems around the world (outsider systems versus insider systems); Boards of directors: roles and functions, composition and gender diversity; CEO compensation and stock options; Corporate governance codes, Corporate governance in banks.

Firms' Financing and Financial Markets – Maria Cristina Arcuri

The course aims to provide a complete overview of corporate funding strategies. The financial decisions of entrepreneurial firms at various phases of their life cycle will be examined, and the advantages and disadvantages of various sources of financing will be compared. The course is structured in three parts: **a)** The first part focuses on the financial system in general, analyzing the role of the European Central Bank and the monetary policy in affecting the financial markets, and then tackle the issues related to the theory of financial intermediations and market efficiency. **b)** The second part of the course focuses on the firm funding strategies, distinguishing between market funding and bank debt. After analyzing the company life cycle, the course studies in deep the stock and the bond market: how they work and what they are for; the role of investment banks in the IPO operation and in the issue of bonds, with a specific focus on the issue of Mini-Bond. Secondly, it investigates the role of some important market players involved in certain phases of business life cycle, such as business angel and venture capital. **c)** The last part of the course analyses the bank-

company relationship and bank debt. In particular, the documentation that companies must provide to banks and the credit rating as a fundamental element in determining the cost of bank debt will be analyzed in greater depth.

Students will be involved in group works, with a specific differentiation between the curriculum in Development Economics and the curriculum in Economics.

SDG covered in the course: 9

Corporate Governance, Bank Management and Sustainable Finance

ECTS: 12

Year: 1

Semester: II

Instructors: [Federica Ielasi](#), [Sara De Masi](#)

Corporate Governance - Sara De Masi

Corporate governance deals with the set of policies, process and customs by which an organization is directed. This course aims to provide a deep understanding of the fundamentals of corporate governance from a variety of angles – the board of directors, senior management, investors, media, regulators and society – and from an international perspective.

After a highlight on the main corporate governance systems (US, Italy, Germany and developing countries), relevant theories and issues of corporate governance practices will be analyzed (i.e., ownership and control, conflict of interests, board of directors, institutional environments, managerial incentives). Students will gain skills required for understanding corporate behaviours. They will be introduced to issues in corporate governance through lectures, class discussions and cases study.

Course overview: Definitions of corporate governance; main theories; corporate governance systems around the world (outsider systems versus insider systems); Boards of directors: roles and functions, composition and gender diversity; CEO compensation and stock options; Corporate governance codes, Corporate governance in banks.

Bank management and sustainable finance- Federica Ielasi

The module aims to develop knowledge about the main factors involved in bank management, with a specific focus on risk management (liquidity risk; interest rate risk; credit risk; market risk; operational risk). During the course we will analyze innovations about bank regulation, as well as some relevant strategical choices in banks, regarding corporate governance and organizational structure. Moreover, the programme aims to compare commercial banks with the main experiences of ethical and alternative banks in Europe.

The SDGs covered in the course are: 1, 9, 12, 13, 16

Development Macroeconomics

ECTS: 9

Year: 1

Semester: II

Instructor: [Alessandro Tampieri](#) and [Luca Tiberti](#)

The purpose of the course is to enable the students to understand the complex functioning of the macroeconomy of developing countries thus to be able to respond to their real-life macro problems. Part 1 offers an overview of standard models used in the advanced economies. Part 2 discusses the main structural and institutional differences between developed and developing countries that justify the construction of alternative models for the latter. It also analyze long-term and short-term growth models reflecting the real-life conditions of poor countries. Such models show that the conclusions reached on their basis often differ from those arrived at on the basis of standard macroeconomics. Part 3 illustrates models of dependent economies, commodity exporters, ‘gaps models’, and others that are important in developing countries. Finally, Part 4 discusses macro topics, such as the inequality-growth-poverty nexus and macro policies to ensure stable growth and poverty reduction. The theoretical approach of the Teaching Notes is eclectic, though its overall slant is Keynesian-Structuralist.

The SDGs covered in the course are: 8, 9, 10, 16.

Development Microeconomics

ECTS: 9

Year: 1

Semester: I

Instructor: [Alessandro Cigno](#)

Advanced microeconomics course, focused on the problems of developing countries. Particular attention is given to the role of subsistence constraints and information asymmetries in credit markets, insurance and labor. The issues of child labor and infant mortality are treated in depth.

Econometrics Lab

ECTS: 6

Year: 2

Semester: II

Instructor: [Alessandro Palandri and Francesca Giambona](#)

TBA

Economic History of Globalization

ECTS: 6

Year: 2

Semester: I

Instructor: [Luciano Segreto](#)

The course aims to offer a general overview of the new international economic order of the 30 years following the end of Cold War. This period is frequently associated with the concept of globalization. The mainstream affirms that this process has been possible because of liberalization, deregulation and, in general, thanks to a massive reduction of the state intervention. This course will challenge this vision, offering a completely different image of the reasons and the instruments that permitted the transformation of the world economy in the last 30 years. Recent political and economic trends in the

world economy, and even more the consequences of the pandemic crisis, are challenging the idea of globalization, and discussing to what extent in the future the world economy will be similar to that one we knew in the pre-Covid19 situation.

Globalization does not mean only liberalization. It is requesting more but also a different form of state intervention as well. Emerging economies have been building their future both on very old economic policies such as trade tariffs and on the support of the state in implementing the most advanced technologies in their economic structure. In addition, looking at the most important protagonists of the world economy, we are sometimes surprised that transnational companies have a turnover larger than the GDP of tens of countries, and very frequently bigger than that one of the countries where they invest in. Nevertheless, it would be a mistake considering these companies as all-powerful. They interact with national or supranational institutions that try to limit their power. However, if we look at China, it is difficult to separate its economy from the central role of the State and the pervasive presence of the Chinese Communist Party. Its economic reforms and the wide modernization process gave birth to a new form of state (authoritarian) capitalism. Russia more controversial transition to market economy did create a very similar model. On the other hand, although national and international institutions, the financial markets are increasingly powerful.

Finally, producers, consumers, and traders of commodities are acting as a sort of “hidden” power that states and supranational political institutions are trying to counterbalance and to regulate. Focusing on OPEC - the oil producing countries organization - and big producers like Saudi Arabia and Russia, where the state is also the owner and the trader of the commodity.

The course will be mixing different methodological and theoretical approaches. The international political economy will offer the main instrument to understand the complex dynamics among national, supranational, and international private and public institutional actors. Business history approach will permit to focus on the strategies of big firms and their role in the global economy. Understanding world politics and economy implies also using a set of other tools coming from social and human science (sociology, political science, economic theory, history). The interaction of all this factors and methodologies will permit students to familiarize with the complexity of a changing world, where the force of the new actors and the effectiveness of their strategies frequently challenge old established hierarchies, introducing a new balance of power in the world economy.

SDGs covered in the course are: 1, 2, 3, 4, 5, 8, 9,10, 16

Economics Lab (Competition policy)

ECTS: 6

Year: 2

Semester: II

Instructor: [Lapo Filistrucchi](#)

In this course, students obtain hands-on experience with the application economics to real world cases. The course will focus on the application of industrial organization to real world competition policy and regulatory cases. By the end of the course students will have acquired some skills that are of value in jobs such as economic consultancies, independent authorities, research institutes or policy organizations.

In the first half of the course the lecturer will introduce the students to competition policy. In the second half of the course, the students will take over. In each class two students get a case, say, for concreteness, the EU vs Microsoft case. As part of the decision, the Commission forced Microsoft to sell a version of Windows without its Media player. One student has to defend this decision, the other has to make the case that the decision was wrong. The jury consists of the other students in the class.

Economic Law

ECTS: 6

Year: 2

Semester: I

Instructor: [Filippo Zatti](#)

The Economic Law course consists of two parts. A first part aims to give an overview of the principles of the European economic regulatory framework to deepen, namely, the EU economic constitution and the founding legal principles of the single market. Consequently, class deals with the four fundamental freedoms of movement of goods, capital, persons and services as well as EU competition law. The second part of the course focused on the regulation of the capital market with a specific view to the European framework (MiFID II, Prospectus, Transparency and Market Abuse) and the impact of technology innovation (FinTech) on Capital Market Union.

SDGs covered in the course are: 1, 8, 9,10

Economics of Innovation

ECTS: 6

Year: 2

Semester: I

Instructor: [Mauro Lombardi](#)

The course will follow three main Building Blocks:- I BB - The digital age we are living in: the second economy (Arthur, 2011), ubicomp (ubiquitous computing), "calm technology" (Weiser, 1991, 1993). Technology as a hierarchical evolving knowledge. The human capability of creating the "the invention of invention" (Landes, 1998). Taxonomy of innovations: radical, incremental, modular, architectural. Technological paradigms, technological trajectories, techno-economic landscapes.

- II BB - Innovation dynamics as complex result of directionality + randomness. Decision making processefacing innovation: 1) mainstream paradigm, 2) evolutionary and systemic approach.

- III BB - Basic concepts for the current Century (1): systems and complex systems. Basic concepts for the current Century (2): disruptive technologies, big data and data analytics, augmented reality, cloud computing and their consequences for business models. (3) Artificial Intelligence and multidimensional problems humans to be confronted with: the future of work, inequalities, increasing asymmetry of power, global risks and challenges (climate change, nuclear war, cyberwar, pandemic).

SDGs covered in the course are: 8, 9, 10, 11.

English for Economics

ECTS: 6

Year: 1

Semester: I

Instructor: [Ilona V. Cziraky](#)

Students will learn:

- a) the communication skills necessary to produce effective and well-argued oral presentations in power point format on topics studied during their degree course.
- b) the micro and macro writing skills necessary to produce well-structured academic texts.

SDGs covered in the course are: all 17 goals.

Environment and Development

ECTS: 6

Year: 2

Semester: II

Instructor: [Filippo Randelli](#)

The aim of this course is to provide students with tools to analyse with a dynamical approach the transition towards sustainability. The transition needs a deep change of sociotechnical regimes both in developed and developing countries. The theoretical framework will be applied to the comprehension of some crucial sustainability transitions within the energy, food, transport and city planning regimes. Economic expertise complemented with environmental analysis is increasingly appreciated by public and private sector organizations at local and international levels. This course will enable students to systematically analyse environmental issues and to cooperate in the planning and decision-making processes within the sustainability transitions. The course refers to a wide range of concrete geographical contexts and scenarios at the national and international level, looking at territories as a whole, as well as at single material, energy and environmental resources.

SDGs covered in the course are: 1,2,3,6,7,8,11,12,13,14,15.

Elements of Policy Evaluation Methods

ECTS: 6 or 9

Year: 2

Semester: II

Instructor: [Fabrizia Mealli](#)

Statistical methods for inferring causal effects from data from randomized experiments or observational studies. Students will develop expertise to assess the credibility of causal claims and the ability to apply the relevant statistical methods for causal analyses and impact evaluations. Focus will be on applying credible and sound methods for evidence-based evaluation. Case studies will include field experiments in development economics, evaluations of job training programs, educational voucher schemes, medical treatments.

Firms' Financing, Blank Management and Sustainable Finance

ECTS: 12

Year: 1

Semester: II

Instructors: [Federica Ielasi](#), [M.Cristina Arcuri](#).

Firms' Financing and Financial Markets – Maria Cristina Arcuri

The course aims to provide a complete overview of corporate funding strategies. The financial decisions of entrepreneurial firms at various phases of their life cycle will be examined, and the advantages and disadvantages of various sources of financing will be compared. The course is structured in three parts: a) The first part focuses on the financial system in general, analyzing the

role of the European Central Bank and the monetary policy in affecting the financial markets, and then tackle the issues related to the theory of financial intermediations and market efficiency. **b)** The second part of the course focuses on the firm funding strategies, distinguishing between market funding and bank debt. After analyzing the company life cycle, the course studies in deep the stock and the bond market: how they work and what they are for; the role of investment banks in the IPO operation and in the issue of bonds, with a specific focus on the issue of Mini-Bond. Secondly, it investigates the role of some important market players involved in certain phases of business life cycle, such as business angel and venture capital. **c)** The last part of the course analyses the bank-company relationship and bank debt. In particular, the documentation that companies must provide to banks and the credit rating as a fundamental element in determining the cost of bank debt will be analyzed in greater depth.

Students will be involved in group works, with a specific differentiation between the curriculum in Development Economics and the curriculum in Economics.

Bank management and sustainable finance- Federica Ielasi

The module aims to develop knowledge about the main factors involved in bank management, with a specific focus on risk management (liquidity risk; interest rate risk; credit risk; market risk; operational risk). During the course we will analyze innovations about bank regulation, as well as some relevant strategical choices in banks, regarding corporate governance and organizational structure. Moreover, the programme aims to compare commercial banks with the main experiences of ethical and alternative banks in Europe.

The SDGs covered in the course are: 1, 9, 12, 13, 16

French

ECTS: 6

Year: 1

Semester: I

Instructor: TBA

I. Comparative analysis of some tourist guides. II. Communication Strategies in Areas of Traditional Tourism, Sustainable Tourism, Environment and Humanitarian Organizations.

A practical part includes the analysis of advertisements in France and, in addition, some documents written in Italian will allow to combine analysis and practice of translation.

German

ECTS: 6

Year: 1

Semester: I

Instructor: [Rena Otte](#)

Development of language competence through the reception of authentic texts of increasing thematic and linguistic complexity, focusing on complex German language tools for written and oral business, socio-economic and professional communication, particularly in the field of globalization, economics, development and immigration. Familiarity with topics related to sustainability and

projects of development, to specific disciplinary areas and actual aspects, referring to the German-speaking countries in the framework of the enlarged EU.

SDGs covered in the course are: all 17 goals.

Game Theory and Microeconomics

ECTS: 9

Year: 1

Semester: I

Instructor: [Domenico Menicucci](#)

The course will cover the following topics:

- Introduction to the theory of choice: Preference relations, Representation of preferences via utility functions.
- Choice under Uncertainty: Lotteries, Expected utility theory, First order stochastic dominance, Risk aversion.
- Game Theory: Simultaneous-move games, Games with incomplete information, Dynamic games.
- Consumer Theory and General Equilibrium: Preference relations, Consumer problem, Competitive equilibrium in pure exchange economies, Existence and Pareto optimality of competitive equilibria.

Health and Education Economics

ECTS: 6

Year: 2

Semester: I

Instructor: [Lisa Grazzini](#)

Both education and health are important determinants of human capital which is widely recognised as a key issue for individual well-being and economic development. On the education side, the course first explores the determinants of educational decisions. It investigates the basic model of education as a human capital investment, discussing the difference between the private and the social return of education, and the models of education as a signalling and a screening device. The roles of human capital for growth are then analysed, by taking also into account the channels through which education and growth may be linked to the process of democratization of a country.

On the health side, the course analyses the basic model on the demand for health as a consumption good, a capital investment, and an input into production, stressing the importance of complementarities between health and education. In particular, the demand for health insurance is examined with a particular focus on the optimal insurance policies with adverse selection and moral hazard. The course also analyses some elements of economic epidemiology: understanding how diseases spread is critical to measuring the costs of an epidemic and designing policies to limit them. Finally, the course illustrates the peculiarities of the pharmaceutical industry, especially with reference to the trade-off between promoting competition and intellectual property protection. The differences between pharmaceutical markets in Less Developed Countries and Developed Countries are emphasized, and different types of public Research & Development incentives are discussed.

SDGs covered in the course are: 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 16.

History of Economic Thought

ECTS: 6

Year: 2

Semester: II

Instructor: [Piero Bini](#)

The course of History of Economic Thought is made up of two parts. The first part provides an overview of the main currents of international economic theories and concepts from the mid-Eighteenth century to the end of Twentieth century. This part will briefly summarize the classical school of political economy, Marx's economic thought, Neoclassical scientific revolution, Keynesian economics. This set of lectures will be of service as an introduction to the second and most characterizing part which concerns a specific topic of contemporaneous history of economic thought, i.e. the Italian one, from the Unification of Italy in 1861 to the present time. Particular attention will be deserved both to some leading Italian economists (such as Maffeo Pantaleoni, Vilfredo Pareto, Luigi Einaudi up to Piero Sraffa, Franco Modigliani and many others), and to some economic topics selected with the mind oriented, on the one hand, to the Italian economic policy and political history, and, on the other hand, to the most scientific progresses in economics at the international level. I'm referring to a) The take-off of Italian economy at the end of the nineteenth century and first theories of economic cycle; b) The raising of public enterprise and welfare economics in Italy from 1900 to the 1920s; c) The Corporative and fascist economics, and the making of economic policy in Italy during the interwar years (1922-1940); d) The major changes in Italian economic policy after the world war II (1950-1969); e) The Italian economists in the crisis of the Nineteen-seventies and the parable of the "Conflict Paradigm" (1969-1985); f) How to escape from the global and Euro crisis according to the opinions of the Italian economists in the period 2008-2015.

A particular attention will be given to the relationship between the evolution of economic theories and the public policies recommended by the most representative Italian economists in the historical phases mentioned before.

Human Development and International Cooperation

ECTS: 6

Year: 1

Semester: I

Instructor: [Mario Biggeri](#)

The course covers theories, objectives and instruments as well as the analysis of the economic and social effects of international cooperation programs, economic aid and development projects. The course is structured into four parts. Following some introductory lectures on the changing landscape of international cooperation and general theoretical and descriptive data analysis, the course examines theoretical models and empirical issues regarding international aid for development will be presented (part A,B), then the course addresses the key elements the of the Human Development Paradigm and Amartya Sen's capability approach (part C). The last part (D) is devoted to research methods, impact evaluations and case studies. Several seminars will also be held during the course.

International and Financial Economics

ECTS: 6

Year: 2

Semester: II

Instructor: [Giulio Cifarelli](#)

In the course the following topics shall be discussed: the foreign exchange market and the main financial markets; the efficient markets approach and the statistical properties of the financial time series; the monetary approach to the Balance of Payments and the portfolio balance approach; the exchange rate regimes and the "fear of floating" debate; the recent (excess) foreign exchange reserve policy of central banks; the theory of (ir)rational speculative bubbles; the recent financial crises and the literature on contagion; the relevance of speculation and the interaction between fundamentalists and chartists.

International Conflict Transformation

ECTS: 6

Year: 2

Semester: I

Instructor: [Giovanni Scotto](#)

The course presents concepts and theories related to the peaceful transformation of international violent conflicts, particularly in the context of the current global climate emergency and the Covid19 pandemics. Alongside war and violent conflict, there are also many examples of peaceful settlement of international disputes in history. There are signs that violence at a global scale is declining in the past decades. Nevertheless, our planet is experiencing changes on a scale previously unknown: resource depletion, climate change, sixth mass extinction of life on Earth. These crises pose fundamental challenges to human societies and could result in a future increase of violent conflicts. The course aims at giving a theoretically informed overview of the field and fostering critical reflection on conflict transformation and social change.

International Law

ECTS: 6

Year: 2

Semester: I

Instructor: [Antonio Bultrini](#)

The course aims to provide a solid and in-depth introduction to International Law. It is not an advanced/sectional International Law course, but it offers nevertheless a particularly detailed and practical discussion of the subject. It may therefore suit also those students who may have already attended a basic International Law course in Italian. Furthermore, special attention is dedicated to some areas which are of great relevance also for Development Economics students, such as the law of the sea. The course thus covers the most important topics of International Law, including subjects of international law, international law-making, immunities, international organizations, the law of the sea, international responsibility, the settlement of disputes.

SDGs covered in the course are: 16, 17

International Trade

ECTS: 6

Year: 2

Semester: I

Instructor: [Giorgia Giovannetti](#)

The objective of this course is to provide students with thorough understanding on international trade theory including recent developments and help understand specific features of the current events (including recent crises, such as Covid-19) as well as countries' and firms' reactions to it. At the end of the course, students are expected to have a good knowledge of the mechanisms and predictions from the traditional models of trade (including the New Trade Theory) as well as from the “New New” trade theory (Heterogeneous firms models).

Lectures will focus on key topics that are at the center of the policy debate: why do countries open to trade? What are the effects of free trade on the process of economic development and inequality? Why do countries restrict the exchange of goods, and what can we say about the effects of protectionism on trade and welfare? Does protectionism directly affect workers' wages and employment?

The first part of the course, after an introduction on how to measure globalization and de-globalization, also accounting for the value added created in each country, gives an overview of the main theories in international trade and analyzes historical trends in integration (trade, capital, people, ideas). It also highlights the role of emerging countries (including China and India) in the global economy. The second part of the course covers gravity equations as a tool for analyzing trade integration, and economic geography that has been an important component of recent international economic analysis. It also illustrates new issues raised by the globalization/ de-globalization process, such as offshoring, outsourcing, reshoring, global value chains at local, regional and global level. It discusses the theories recently developed to address the SE Phenomena (with particular attention on global value chains and their links with the “new new” trade theories) and emphasises the role of imported inputs for the competitiveness of a country. Key topics include: globalization/ de-globalization: useful definitions; statistical and economic indicators of globalization, specialization, imbalances; Ricardo's model of International Trade (brief); Hecsker-Olin model; Imperfect competition models; geography and gravity models; New theory versus New New theory (Melitz); Movements of capital and workers; Offshoring, outsourcing and reshoring; FDI and multinational. Other topics (where lectures will also be accompanied by students' presentations) cover Global Value Chains, R&D internationalization; Migrations; Trade policies and International agreements (with a focus on the impact of tariffs on workers' wages and employment).

SDGs covered in the course are: 1, 2, 4, 8, 9, 10, 16, 17.

Labour Economics

ECTS: 6

Year: 2

Semester: I

Instructor: [Gianna Giannelli](#)

The purpose of the course is to give the theoretical and applied tools to understand the economics of labour markets with a special focus on the relationship with development. The first part illustrates how economic models are applied to labour market phenomena, such as labour supply and participation, labour demand by firms, and wage determination under different institutional settings. Furthermore, it is shown how alternative theories can be tested empirically and how economic models can be applied to evaluate the employment effects of economic policies, such as reforms of the labour

market and of the welfare system. The second part of the course explores key issues of labour markets in developing countries such as the labour market in developing countries, the issues of growth, distribution, employment and poverty, wages in developing countries, labour migration and development, education and human capital, labour market institutions. labour market policies for development.. The course is intended for both the curricula in economics and development.

SDGs covered in the course are: 3, 4, 5, 8, 10

Local and Industrial Development

ECTS: 6

Year: 2

Semester: II

Instructors: [Mario Biggeri](#)

Module A -

Application of theories of local development and industrial districts, in terms of methods of analysis of various configurations and relations between the territory and industries. Theoretical approaches and research methods on Local and industrial development in emerging countries. International cooperation.

Case studies.

Module B -

This module covers three parts. A) Local and industrial development in developing countries: theoretical approaches and research methods. B) Human development at the local level and international cooperation and in particular the Sustainable Territorial Evolution for Human Development Interpretative Framework with case studies. C) Clusters of SMEs and informal sector in BRICS countries and in Italy with case studies.

Joint Seminar Florence-Göttingen

ECTS: 3

Year: 1

Semester: II

Instructor: Donato Romano and Sebastian Vollmer

The Seminar is jointly offered by Prof. Donato Romano (University of Florence), and Prof. Sebastian Vollmer (University of Göttingen). The overall objective is to get students acquainted with the concepts of food security and nutrition measurement and analysis. The joint seminar aims at providing the students with an overview of economic aspects of undernutrition and obesity. Students will learn how undernutrition and obesity are measured, what are the socio-economic determinants of each of them, their consequences on people wellbeing, and policies that can be implemented to address these issues.

SDGs covered in the course are: 1, 2, 3, 10.

Macroeconometrics

ECTS: 6

Year: 2

Semester: I

Instructor: [Gabriele Fiorentini](#)

Time-Series Models, Difference Equations and Their Solutions, Lag Operators. Stochastic Difference Equation Models, ARMA Models, Stationarity, Stationarity Restrictions for an ARMA (p,q) Model. The Autocorrelation Function, The Partial Autocorrelation Function, Sample Autocorrelations of Stationary Series, Box-Jenkins Model Selection, Properties of Forecasts, Seasonality, Structural Change, Combining Forecasts. Deterministic and Stochastic Trends, Removing the Trend, Unit Roots and Regression Residuals, The Monte Carlo Method, Dickey-Fuller Tests and extensions, Power and the Deterministic Regressors, Panel Unit Root Tests, Trends and Univariate Decompositions, Intervention Analysis, ADLs and Transfer Functions, Limits to Structural Multivariate Estimation, Introduction to VAR Analysis, Estimation and Identification, The Impulse Response Function, Structural VARs, Examples of Structural Decompositions, Overidentified Systems, The Blanchard-Quah Decomposition. Linear Combinations of Integrated Variables, Cointegration and Common Trends, Cointegration and Error Correction, Testing for Cointegration: The Engle-Granger Methodology, Cointegration and Purchasing Power Parity, Characteristic Roots, Rank, and Cointegration.

Microeconometrics

ECTS: 6

Year: 2

Semester: I

Instructor: [Giorgio Calzolari](#)

Overview of the linear regression model and ordinary least squares. Estimation (OLS): algebraic properties, statistical properties of OLS, Gauss-Markov theorem, forecast errors, distribution of linear and quadratic forms, linear restrictions, restricted least squares, t-test, F-test, structural change, specification errors, heteroskedasticity, autocorrelation. Linear models for panel data: fixed effects versus random effects. Truncation and censored regression model (Tobit). Discrete choice models: Logit, Probit.

Mathematical Methods for Economics Analysis

ECTS: 6

Year: 1

Semester: I

Instructor: [Domenico Colucci and Michele Gori](#)

This course introduces students to some of the mathematical tools required for intermediate level courses in economics (applied and theory), including elements of linear algebra and matrices, functions of several variables, differential calculus, and optimization, with various applications to economic problems. Other topics, such as integration and dynamic methods might also be covered.

Mathematics for Economics

ECTS: 9

Year: 1

Semester: I

Instructor: [Antonio Villanacci](#)

Content of the course: linear algebra; topology in metric spaces; differential calculus in Euclidean spaces; nonlinear programming.

Mathematics Laboratory

ECTS: 6

Year: 2

Semester: II

Instructor: [Antonio Villanacci](#)

The course is an independent study on topics in mathematical economics. The course “Mathematics for economics” is a prerequisite. The content of the exam has to be discussed and agreed upon with the instructor. Possible topics are listed below: General topology; measure theory; Banach Spaces and Calculus in Banach Spaces; Linear system of Differential Equations; Nonlinear systems of differential equations; Convex Analysis; Differential Topology; Dynamic Programming; Functional Analysis; Contract Theory, Mechanism Design, Auction Theory. (Professor Domenico Menicucci); Discrete Mathematics and Social Choice Theory (Professor Michele Gori); Financial risk measures and their dual representations (Professor Giacomo Scandolo).

For each topic, notes from the instructor are the main required reading for the course and are available upon request (by email), and a textbook is suggested as optional readings. The exam will be based on a written paper by the student and/or some meetings in which the student will talk about the content of the notes.

Measurement and Causes of Poverty

ECTS: 6

Year: 1

Semester: II

Instructor: [Alessandra Petrucci e Bruno Arpino](#)

The course deals with the theory and the methodology aimed at measuring and analyzing poverty, inequality and well-being. Composite indicators construction and use will be also discussed. The textbooks will be announced at the beginning of classes

The SDGs covered in the course are: 1,3,4,5,8,10

Microeconometrics

ECTS: 6

Year: 2

Semester: I

Instructor: [Giorgio Calzolari](#)

Overview of the linear regression model and ordinary least squares. Estimation (OLS): algebraic properties, statistical properties of OLS, Gauss-Markov theorem, forecast errors, distribution of linear and quadratic forms, linear restrictions, restricted least squares, t-test, F-test, structural change, specification errors, heteroskedasticity. Linear models for panel data: fixed effects versus random effects. Truncation and censored regression model (Tobit). Discrete choice models: Logit, Probit.

Political Economy

ECTS: 6

Year: 2

Semester: I

Instructors: [Alessandro Giofrè and Alessandro Tampieri](#)

The course will introduce the evolutionary approach to understanding behavioral and institutional change, social norms, and cooperation. It will also analyze the voting systems and conflicts.

SDGs covered in the course are: 16, 17.

Politics of Globalization and Human Rights

ECTS: 6

Year: 2

Semester: II

Instructor: [Lucia Re](#)

The course offers an interactive program for attendant students, who will be asked to read texts and comment on them in class, working both individually and in groups. In the first-class meetings the teacher will present a bibliography and the students will be asked to choose the book they will read at home. They will then prepare a presentation in class and a paper on the same book. The course will be divided into two parts: in the first one the teacher will present the bibliography and the main topics. In the second part of the course, the different presentations prepared by the students will be discussed in class. Special lectures with guests will also be organized.

The course will deal with the different interpretations of globalization; inequality; pluralism; the role of the State; the Human Rights doctrine (theory, norms and implementation); global order (terrorism, war and Human Rights); Human rights and global migrations; Human Rights and gender, Human Rights and Climate Change.

SDGs covered in the course are: 1 ,5 ,7 ,8 ,10 ,11 ,12 ,13 ,16.

Public Economics

ECTS: 6

Year: 2

Semester: II

Instructor: [Lapo Filistrucchi](#)

The course will cover some important topics in the field of modern public economics. In particular, the course will deal with: a) the so-called Political Economy, i.e. the study of the interaction between institutions, political organizations and the working of the economic system; b) the Economics of media markets, i.e. the study of how media markets function; c) the so-called Political Economy of the Media, i.e. how media markets affect the political process (and hence economic policies) and vice versa; d) the Regulation of Media Markets. To explore the functioning of media markets the basics of standard oligopolistic models of product differentiation will need to be recalled. Depending on the number of students taking the course, some students may be allowed to opt for assessment on a class presentation in addition to the final written exam. In that case, the class presentation and the written exam will count each for 50% of the grade.

Policy Evaluation Methods and Practices Lab.

ECTS: 6

Year:

Semester: II

Instructor: [Gianluca Stefani](#)

Decision regarding how to use scarce public resources or donors' funds require an understanding of how well programs and policies produce the desired outcomes. This may be a challenging task. The goal of this course is to provide students with a basic knowledge of how to use statistical methods to answer policy impact questions using observational or experimental data. It will also allow students to more critically interpret evaluation results, critically read evaluation research and assess causal claims. Roughly one third of class time will be devoted to showing how to do the stuff mentioned in readings using Stata and building on the skills acquired in the Stata lab. Problem sets and code scripts will be made available on the course Moodle webpage.

SDGs covered in the course are: 1,2,3,4,12,13

Spanish

ECTS: 6

Year: 1

Semester: I

Instructor: [Caucci Von Saucken Jacopo Aldighiero](#)

The advanced course in Spanish aims at teaching students some fundamental aspects of the Spanish language and of the Hispanic culture. Students will be examined by the CLA (B2 level; written and oral comprehension, general knowledge of the language). A special attention will be devoted to nowadays problems.

Stata Lab 1: Software

ECTS: 3

Year: 1

Semester: II

Instructor: [Gianluca Stefani](#)

This course provides the basics of the widely used package Stata and elements of data management and analysis required to use popular datasets such as the World Bank LSMS and perform causal inference and policy impact analysis. The aim of the course is twofold: a) provide students with a basic knowledge of a statistical software (Stata), b) develop skills needed to manage large dataset and to perform subsequent analyses. The program includes the following issues: software environment, data management, exploring data, programming (do files). Lectures, group activities and computer tutorials are interconnected so that students can link the theoretical knowledge with the practical skills of performing data analyses using a computer.

SDGs covered in the course are: 1,4,10

Stata Lab II: Models and Applications

ECTS: 3

Year: 1

Semester: II

Instructor: [Leonardo Grilli](#)

The course covers the basics of statistical modelling with the software Stata. Much emphasis is placed on the linear regression model, tackling issues in specification (transformations, non-linear functions, interactions, selection of covariates) and model checking (collinearity, heteroscedasticity, outliers). Models for categorical responses are also considered, in particular logit and probit models for binary responses. The ideas are illustrated through the analysis of real data using Stata.

Statistical Inference

ECTS: 6

Year: 1

Semester: I

Instructor: [Fabrizio Cipollini and Silvia Bacci](#)

Special r.v.'s: Bernoulli, Binomial, Poisson, Continuous Uniform, Normal, Gamma, Chi-squared, Student-T, Fisher-F, Beta. Transformation of r.v.'s. Introduction to Statistical Inference: Concepts of population, sample, parameter, statistics and estimator, statistics value and estimate, sample distribution of a statistic and related synthetic indices. Point Estimation: The Maximum Likelihood (ML) method. Properties of estimators. The Cramer-Rao bound. Asymptotic properties. Asymptotic properties of ML estimators. Interval Estimation: Definition of interval estimate (confidence interval), confidence level, size of the interval. The Pivot method for finding confidence intervals. Hypothesis testing: Motivations, framework, definitions of statistical hypothesis and of statistical test. Table of decisions, type I and type II errors, significance level and power of a test. The Neyman-Person lemma and ensuing remarks. Power of the test. The p-value. The likelihood ratio test. Linear Regression Model: Model definition and corresponding properties; the Least Squares (LS) and the ML methods for estimating the parameters. Deviance decomposition and R2 index; predictions of the conditional mean and of the dependent variable for a given value of the independent variable. Complementary Topics.

SDGs covered in the course are: 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16

10. INTERNATIONAL PERSPECTIVE

10.1. MOBILITY

10.1.1 Erasmus +

Erasmus is a European Union programme for the period 2014/2020 which offers the opportunity to spend some months abroad (up to 12 months in the whole duration of university career). The program is financed by both European union and MIUR (Ministry of Education, University and Research). The amount of financial assistance accorded to the students varies depending on the country of destination and the type of mobility (internship/study). In addition to this amount, there is the possibility of receiving a scholarship also from DSU on the basis of personal income declaration.

Selection criteria include regularity in studies, profit in studies and proficiency in the destination country language. The applications have to be completed online, using the platform Turul (<https://ammissioni.unifi.it/>).

There are two types of Erasmus, banned usually in the second part of the academic year (February/March):

1. Erasmus + for study: It is possible to apply to this type of Erasmus in order to attend courses and take exams in another European university, as well as to do a part of the research thesis abroad.

2. Erasmus + for traineeship: This program allows for mobility in order to have a traineeship experience in a foreign country (minimum 2 months). It is possible to apply to one of the organizations which is already partner of the school or to establish a new partnership with the specific documentation.

For further information see <http://www.unifi.it/cmpro-v-p-10034.html>



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10.1.2 Extra-Ue Mobility

Concerning the extra-EU mobility, our School has agreements with several countries such as China, Colombia, Costa Rica, Japan, Mexico, Peru, Vietnam, Argentina where students can stay for a period between three to six months.

The application for extra-European mobility can be submitted by any student who is regularly enrolled at the School of Economics and Management without restriction of nationality (each selected student, however, must obtain the visa at his/her own embassy).

For additional information on extra-EU mobility:

<https://www.economia.unifi.it/vp-381-extra-ue-mobility-for-studies.html>

During the university career, it is possible to participate in all three programs of mobility (Erasmus Studio, Erasmus Traineeship and Extra-European Mobility), but a gap of at least two weeks between

one program and the other is required. If all three selection processes are open at the same time, it is possible to apply to more than one.

10.2. INTERNATIONAL WEEK

The International Week is part of the activities put in place in order to foster an international environment at the Department of Economics and Management. It aims to create new partnerships in the field of research and to offer new learning opportunities to Master students who will be exposed to different teaching methods thanks to lectures given by visiting professors under the Erasmus Teaching & Staff Mobility Program.

11. LEARNING LANGUAGES AT UNIFI

The University of Florence has its own language centre (CLA), which offers a variety of language courses: English, French, Spanish, Portuguese German, Russian, Arabic and Italian.

Furthermore, in collaboration with “Dipartimento di Lingue, Letterature e Studi Interculturali della Scuola di Studi Umanistici e della Formazione”, are available also courses of: Amharic, Czech, Hebrew, Finnish, Polish, Rumanian, Serb-Croat, Turkish, Hungarian.

Italian Courses

The CLA organises two types of course: Praxis courses and Special courses, arranged in cycles.

The levels of the courses correspond to the Common European Reference Framework for Languages.



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✓ Praxis courses:

The Praxis courses concentrate on developing the oral and written skills of comprehension, interaction, and production, with particular attention to oral and written comprehension. They consist of 30 hours of lessons. Access to these courses, for which priority is given to LLP/Erasmus students, will be restricted to the number of places available.

✓ Special courses:

The aim of the Special courses is to develop single skills and/or achieve specific goals. They consist of 30 hours of lessons. Specially created materials and handouts will be provided. Examples:

- *Listening/reading:*

For foreign students wishing to develop their reading and listening skills for academic purposes and/or wishing to prepare for the Certificate of Proficiency in the Italian language.

- *Grammar revision:*
For students wishing to reinforce their grammar knowledge.
- *Thema (B2)*
The aim of this course is to perfect advanced communication skills, e.g. arguing a point, describing, narrating, developing strategic language (suggesting, convincing, ordering, refusing etc.), using culturally meaningful material on specific themes, so that it becomes an opportunity for students to improve both the linguistic and the cultural aspects of their knowledge.
- *E-Learning Writing (B1/B2)* course comprising classroom and online work (blended format) with 15 hours in the classroom and 60 hours of online activities. The course is designed to enhance the ability to engage in academic-oriented writing (curriculum vitae, formal letters, argumentative essays, papers, etc.) and includes work on textual organization, vocabulary and grammar.

▪

Training in Workshops:

With the annual card issued at the moment of enrolment in the course or bought apart, students can participate in guided activities.

- *Language Counselling:*
In individual half-hour interviews, a teacher helps the student to identify the most suitable materials and learning strategies.
- *Language lab practice Sessions:*
Students have the opportunity to do pronunciation, vocabulary, grammar etc. exercises in the CLA audio/active/comparative language lab, under a teacher's guidance.
- *Workshops on specific themes:*
Two-hour sessions on themes of Italian current affairs and culture (cinema, literature, music, society, etc.). Guided film viewing sessions will also be offered in these workshops.
- *Chat Time:*
The aim of this language-learning initiative is to create a recreational moment which encourages free expression through newspapers and "party" games, or just conversing.
- *Conversation exchange sessions with mother-tongue speakers:*
These are organised meetings between Italian students studying foreign languages and foreign students enrolled in the centre's Italian courses.

✓ Certificates of proficiency:

Students who hold a valid CLA card may take language skills tests in Italian (B1, B2, C1). The tests can be taken from November to June. The Test Centre is room M14 on the third floor of Viale Morgagni n. 40.

Students must bring their student record book or some other form of ID.

If a student fails a test, he/she must wait two months before taking another. Bookings can be

made one month in advance. The teacher can suggest which level test would be suitable for the student during the course.

Workshops and Certificates of proficiency are available also for the other languages offered at the CLA.

For further information please see the website: <http://www.cla.unifi.it/index.php>

Otherwise go to the Front Office (Building D/14 - Via delle Pandette 3 – ground floor, next to the cafeteria -Monday, Wednesday, Friday 10.30 a.m. -1.00 p.m. and 1.30-4.00 p.m.)

12. OFFICES AND FACILITIES OF THE CAMPUS

D1: School of Economics and Management (first floor) - Front office D1: 055-2759001

D4: Classrooms - Front office D4: 055-2759399

D5: Classrooms - Front office D5: 055-2759549

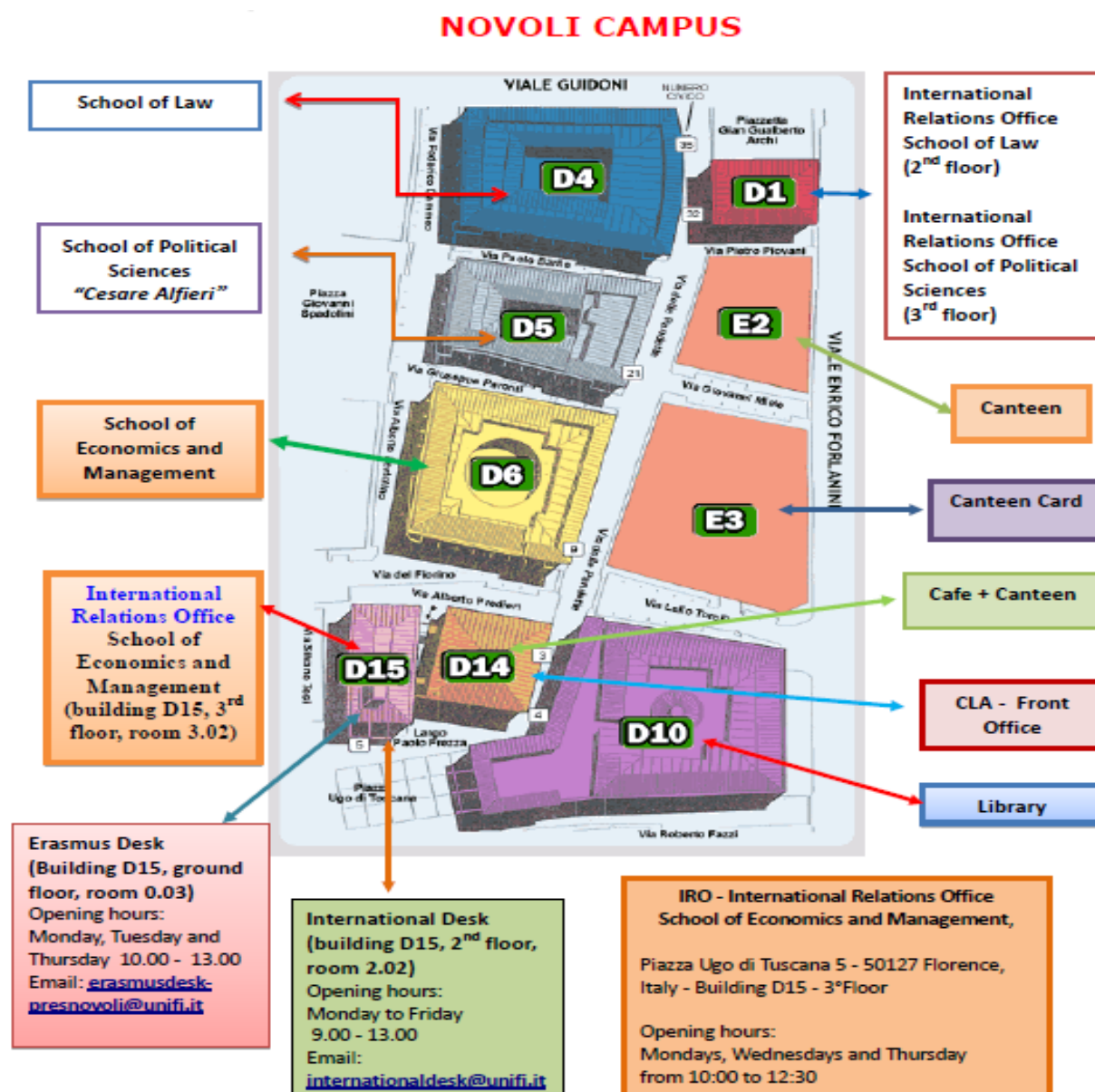
D6: Classrooms and Department of Economics and Management (second and third floor) - Front office D6: 055-2759749

D10: Library - Front office 055-2759879

D14: Bar and Study rooms - Front office 055-2759818

D15: Laboratories and offices - Front office 055-2759819

E2 and E3: Canteen “Caponnetto” and Dormitory rooms (“Residenza Caponnetto”)



12.1. LIBRARY AND STUDY ROOMS

The **library** is open from Monday to Friday from 8:30 a.m. to 11 p.m. (services active until 6:30 pm.) and Saturday from 8:30 a.m. to 7:00 p.m. (services active until 1:30 p.m.).

The library catalog (books, articles, databases) is available at <http://www.sba.unifi.it/>

Study rooms (D14) are open from Monday to Friday from 8:00 a.m. to 11:30 p.m. and Saturday from 9:00 a.m. to 7:00 p.m.



An external and internal overview of the Library of the Social Science Campus.



Overview of other libraries of UNIFI© University of Florence

12.2. CANTEEN “CAPONNETTO”

The canteen service on campus is subject to the following rules (in terms of prices and meals):

<http://www.dsu.toscana.it/servizi/ristorazione/dove-e-cosa-mangiare/>

<http://www.dsu.toscana.it/servizi/ristorazione/how-to-access/>

In order to be admitted to the canteen service a personal magnetic badge is required, for further information please see: <http://www.dsu.toscana.it/servizi/ristorazione/how-to-access/admission/>

To have more information on all the University canteens please see:

<http://www.dsu.toscana.it/servizi/ristorazione/> (only Italian version)

Opening hours:

lunch: Mon-Sat: 12:00 p.m. – 2:15 p.m.

dinner: Mon-Fri: 7:00 p.m. – 9:00 p.m.

It is also open for a fast-food takeaway:

Mon-Fri: 10:30 a.m. – 5:30 p.m. and 7:00 p.m. – 9:00 p.m.

Sat: 10:30 a.m. – 2:15 p.m.

12.3. HOW TO GET TO THE CAMPUS

The campus can be easily reached from the town centre train station (around 10-12 minutes) using Line T2 Vespucci in the direction “Areoporto-Peretola”. The closest stop to the campus is “San Donato – Università”.

The tram runs from 5am to 12pm from Sunday to Thursday and from 5am to 2 am on Friday and Saturday.

More information on the website of the public transports ATAF:

<http://www.ataf.net/en/ataf.aspx?idC=2&LN=en-US>



What you need to know: The Student Card

The student card at Florence University is a unique card for all the students in Tuscany region, comprehensive of the following services:



- ✓ The access to all the canteens and eating services in all universities in Tuscany
- ✓ The access to all university libraries everywhere in the region
- ✓ The free access to museums and collections belonging to Universities
- ✓ The use of public transportation within Florence Municipality

12.4. HOW TO REGISTER FOR AN EXAM

Students have to use personal credentials (student enrolment number (‘Matricola’ in Italian) and password) to enrol for exams. Enrolment starts about 15 days before the exam date and closes 3 days before the exam. To enrol, please go to Unifi-> Servizi online -> Studenti -> Prenotazione Esami

Incoming Erasmus students can find more information on <http://www.unifi.it/vp-10340-erasmus-students.html?newlang=eng>

How to contact your professors

To communicate with professors please use and check your personal “unifi” e-mail address which will be given to you at enrolment. To find information about a professor (e-mail, interests, CV, etc..) type her/his name on the Unifi web service “search for information or persons” (in Italian “cerca informazioni o persone”) and click on “Scheda personale”.



13. HANDBOOK FOR STUDENTS AT THE UNIVERSITY OF FLORENCE

For further information on all the services provided by the University of Florence, please see:
http://www.unifi.it/upload/sub/studenti/1718/guida_studente_1718.pdf

14. ACTIVITIES ORGANIZED BY THE UNIVERSITY

Leisure Time:

University sports club - More info: <http://www.cus.firenze.it/>

University Choir - More info: spettacolo@unifi.it; coro@unifi.it

The Orchestra - More info: iltempiodellemuse@gmail.com

“Binario di Scambio” Theatre Company - More info: spettacolo@unifi.it;
binario.scambio@gmail.com

All nature in a museum - More info: <http://www.msn.unifi.it/>

Science with passion - More info: openlab@adm.unifi.it

Encounters with the Town - More info: <http://www.unifi.it/vp-9441-incontri-con-la-citta.html>

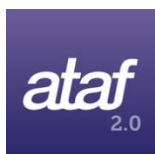
For more information about student association, please see <https://www.unifi.it/vp-6697-associazioni-studentesche.html>



What you need to know: Digital Florence and more



Unifi App is a useful tool for all the students, a fast way to consult your career, your payment status and much more.



ATAF 2.0 is the official app of the local transportation agency. With this app you can have real-time information about the bus stops, bus lines and more.



Firenzeup! is a useful tool to discover all the events around you, top-rated and ranked by closeness. Info on the place, duration and description are also available.

For more info about useful App that may ease your staying in Florence visit <http://app.comune.fi.it>.

15. LIFE IN FLORENCE

Florence offers thousands of leisure opportunities. The city has many theatres and cinemas, both in the centre and in the suburbs, and it is famous for its history: monuments, museums and churches will surround you. In fact, the city centre has been part of the World Heritage List by UNESCO since 1982: Florence is the symbol of the Renaissance, with 600 years of extraordinary artistic activity of great masters such as Giotto, Brunelleschi, Botticelli and Michelangelo. If all of this appeals to you, you will be happy to know that every first Sunday of the month the entrance to all national museums are free. As a student, you can also get a discount for cinemas and theatres around the city.

<i>Living Costs in Florence¹</i>	
HOUSING	
Monthly rent for a single room	€350-400
Internet 8 Mbps (1 month)	€23
PUBLIC TRANSPORTATION	
Monthly ticket public transport	€34

<i>Living Costs in Florence²</i>	
FOOD	
1 litre of milk	€1.41
12 eggs, large	€3.18
1 kg of tomatoes	€2.40
1 kg of apples	€1.98
1 kg of potatoe	€1.45

² <https://www.expatisitan.com/cost-of-living/florence>

1 bottle of red table wine, good quality	€4.90
2 litres of Coca-Cola	€2.04
Bread	€0.99



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Do you want to have fun and meet other people after your daily studies? The city also offers an active nightlife all year round with many restaurants – the traditional local cuisine but also Chinese, Indian, Mexican, Greek and other ethnic food – plenty of pubs and cafés, with live music and special drinks, and some discos.

<i>Living Costs in Florence</i>	
ENTERTAINMENT	
<i>Basic dinner out for two in a pub</i>	€40
<i>Ticket to the movies</i>	€7
<i>Ticket to the theatre (best available seats)</i>	€36
<i>Dinner for two at an Italian restaurant (appetisers, main course, wine and dessert)</i>	€69
<i>1 cocktail drink in downtown club</i>	€8-10
<i>Cappuccino</i>	€1.50

ACCOMMODATION IN FLORENCE

The availability and costs of accommodation are extremely variable, depending on the location and the facilities provided. Housing announcements can be found on notice boards around libraries, departments, and canteens. To find rooms or apartments to rent you can also get in contact with any estate agency based in Florence.

The following addresses are some examples:

Agenzia per il Turismo di Firenze

(Tourist Agency in Florence)

Via A. Manzoni, 16

www.firenzeturismo.it

Housing Anywhere

The University of Florence has activated a partnership with

www.housinganywhere.com, a platform where outgoing students can rent their rooms to incoming exchange students during the time they are abroad. It is a platform that matches the supply and demand of short stay accommodation in the private market.

Azienda Regionale per il Diritto allo Studio Universitario di Firenze

Viale Gramsci, 36

info@dsu.fi.it

For further information: www.dsu.fi.it

It provides all students with free information and qualified guidance on finding accommodation in Florence and its suburbs. It also provides information and consulting on different types of lease contracts, in cooperation with students, tenants and owners' associations.

Some accommodation discounted for Unifi students:

Hotels:

Raffaello

Viale Morgagni, 19 - Firenze

0554224141

info@raffaellohotel.it

Il Guelfo Bianco

Via Cavour, 29 - Firenze

055288330

info@ilguelfobianco.it

Orto de' Medici

Via San Gallo, 30 - Firenze

055483427

info@ortodeimedici.it

Bed & Breakfast:

Leopoldo

Via g. Fabbroni, 78 – Firenze

0553841202

info@leopoldohouse.it

Terrazza Ginori

Via Ginori, 61 – Sesto Fiorentino (FI)

3356216396

info@terrazzaginori.com

Serviced Apartments:

La contessina

Via Faenza, 71 – Firenze

0552670275

info@lacontessina.it

Quadra Key Residence

Via Bardazzi, 49 – Firenze

0554369066

info@keyresidence.it

Hostels:

Santa Monaca

Via Santa Monaca, 6 – Firenze

055268338

info@ostellosantamonaca.com

Other Hostels:

Ostello Europa “Villa Camerata”

Viale A. Righi, 4

<http://www.ostellofirenze.it>

Ostello “Santa Monaca”

Via Santa Monaca, 6

<http://www.ostellosantamonaca.com>

Ostello “Archi Rossi”

Via Faenza, 94

<http://www.hostelarchirossi.com/>

Ostello “7 Santi”

Viale dei Mille, 11

<http://www.7santi.com>; info@7santi.com

Gallo d’Oro

Via Cavour, 104

<http://www.ostellogallodoro.com>

Youth Hostel Firenze 2000

Viale Sanzio, 16

<http://www.cheap-hotel-florence.com>

Other facilities:

Residenza Universitaria Calamandrei, viale Morgagni, 51

Monastero delle Benedettine di Santa Marta (Santa Marta Benedictine Monastery), via Santa Marta, 7 – Florence

Evergreen Residence, piazza Dallapiccola, 6 [Evergreen Residence](#)

The Student Hotel, Viale Spartaco Lavagnini, <https://www.thestudenthotel.com/florence/it/>

You may also find a room to rent on your own. Here some tips to help you:

- Websites: firenze.bakeca.it; subito.it; www.lapulce.it; www.kijiji.it ;
- Facebook groups: <https://it-it.facebook.com/Studio-a-Firenze-CercoOffro-CASA-149945955081908/>
- Rent advertisement on the notice boards for students over school buildings and libraries

16. CONTACTS

Director of the Master degree program

Prof. Lisa Grazzini

Email: lisa.grazzini@unifi.it

Phone: +39 055 2759562

Professors in charge of admissions

Curriculum in Development Economics:

Prof. Lisa Grazzini

Email: lisa.grazzini@unifi.it

Phone: +39 055 2759562

Curriculum in Economics:

Prof. Annalisa Luporini

Email: annalisa.luporini@unifi.it

Phone: +39 055 2759612

Application form:

<https://www.development-lm.unifi.it/upload/sub/Bureaucracy/ApplicationForAssessment-2019-2020.pdf>

Professors in charge of study plan

Curriculum in Development Economics:

Prof. Leonardo Boncinelli

Email: leonardo.boncinelli@unifi.it

Phone: +39 055 2759578

Curriculum in Economics:

Prof. Annalisa Luporini

Email: annalisa.luporini@unifi.it

Phone: +39 055 2759612

Professor in charge of International Mobility

Prof. Lapo Filistrucchi

Email: lapo.filistrucchi@unifi.it

Phone: +39 055 2759579

Professor in charge of Internships

Prof. Filippo Randelli

Email: filippo.randelli@unifi.it

Phone: +39 055 2759602

Professor in charge of Ph.D. Applications

Prof. Antonio Villanacci

Email: antonio.villanacci@unifi.it

Phone: +39 055 2759691

Information for Italian and other UE students for administrative issues

Ms Anna Maria Agostino c/o School of Economics and Management

Email: seciesa@economia.unifi.it

Phone: +39 055 2759021

Office hours:

Monday 11.00 - 12.30; Thursday 15.00 - 16.30; Friday 9.00 - 10.30

Information for extra-UE students for administrative issues (*Sportello Studente Straniero*)

- Piazza Ugo di Toscana n. 5, Building D15, second floor, 50127 Firenze
- phone [+39 055 275 9771](tel:+390552759771) | [055 2759768](tel:+390552759768)
- e-mail: foreign.students@adm.unifi.it
- PEC: didattica@pec.unifi.it
- From Monday to Friday: 9.00 – 13.00.