UNIVERSITÀ DEGLI STUDI FIRENZE

School of Economics and Management

master of science

Economics and Development

MSc in ECONOMICS AND DEVELOPMENT

2022/2023

GENERAL INFORMATION – TABLE OF CONTENTS

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, which includes faculty members 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 and visiting professors from 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 Behavioral Economics*** which

equips students with tools for theoretical and experimental analysis of individual behaviors 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 oversees 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

Preliminary course

The MSc in Economics and Development organizes a preliminary course in STATISTICAL INFERENCE at the beginning of September 2022. The timetable is the following:

- September 7, 2022 at 10:00-13:00
- September 8, 2022 at 10:00-13:00
- September 9, 2022 at 10:00-13:00
- September 10, 2022 at 15:00-18:00

The gmeet link to attend the lessons: meet.google.com/qfg-cgwd-rqz (paste the link on the browser address bar, then press the Enter key).

Courses

The teaching calendar for the academic year 2022/2023 is the following:

First semester: September 13, 2022 – December 7, 2022
Second semester: February 21, 2023 May 31, 2023 (Easter break from April 14 to April 20, 2023)

The exam calendar* for the academic year 2022/2023 provides six Exam Sessions** and is the following:

- Fall:
  - Exam session: from 9/12/2022 to 22/12/ 2022
- Winter:
  - 1st Exam session: from 10/01/2023 to 26/01/2023
  - 2nd Exam session: from 31/01/2023 to 18/02/2023
- Summer a:
  - 1st Exam session: from 06/06/2023 to 23/06/2023
  - 2nd Exam session: from 04/07/2023 to 22/07/2023
- Summer b:
  - Exam session: from 30/08/2023 to 12/09/2023

* 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	*Alessandro Cigno*
	Secs-p/02	Development Macroeconomics	II	9	*Alessandro Tampieri* *Luca Tiberti*
	Secs-s/01	Statistical Inference	I	9	*Alberto Cassese*
		Choose two from:		12	
	Secs-p/01	Economics of Innovations	I		*Mauro Lombardi*
	Secs-p/03	Health and Education Economics	I		*Lisa Grazzini*
	Secs-p/01	Human Development and International Cooperation	I		*Mario Biggeri*
		Choose one from:		6	
	Secs-s/06	Mathematical Methods for Economic Analysis	I		*Domenico Colucci*
	Secs-s/05	Measurement and Causes of Poverty	II		*Bruno Arpino*
		Choose one from:		12	
	Secs-p/11	Firms' Financing, Bank Management and Sustainable Finance	II		*Elisa Bocchialini* *Federica Ielasi*

	Secs-p/08 and Secs-p/11	Corporate Governance, Firms' Financing and Financial Markets	II		*Sara De Masi Elisa Bocchialini*
	Secs-p/08 and Secs-p/11	Corporate Governance, Bank Management and Sustainable Finance	II		*Sara De Masi Federica Ielasi*
		Choose one from:		6	
		Joint Seminar Florence-Goettingen (3 ECTS)	II		*Donato Romano TBA*
		Stata Lab. I: Software (3 ECTS)	II		*Gianluca Stefani*
		Stata Lab. II: Models and Applications (3 ECTS)	II		*Leonardo Grilli*
		Econometrics Lab.	II		*Giorgio Calzolari*
		Economics Lab.	II		*Lapo Filistrucchi*
		English for Economics	I		*Ilona V. Cziraky*
		French	I		*Annick Farina*
		German	I		*Sabrina Ballestrucci*
		Spanish	I		*Caucci Von Saucken Jacopo Aldighiero*
Second year	**Sector**	**Course**	**Semester**	**ECTS**	
	Secs-p/01	International Trade	I		*Giorgia Giovannetti*
		Choose one from:		6	
	Ius/05	Economic Law	I		*Filippo Zatti*
	Ius/13	International law	I		*Antonio Bultrini*
		Choose two from:		12	
	Agr/01	Agriculture Development and Poverty	I		*Donato Romano*
	Agr/01	Agri-food Economics	II		*Andrea Marescotti*
	M-dea/01	Anthropology and Development	I		*Emanuela Rossi*
	Secs-p/12	Economic History of Globalisation	I		*Luciano Segreto Francesco Ammannati*
	M-ggr/02	Environment and Development	II		*Filippo Randelli*
	Secs-p/04	History of Economic Thought	II		*Antonio Magliulo*
	Sps/11	International Conflict Transformation	II		*Giovanni Scotto*
	Secs-p/02	Labour Economics and Gender	II		*Gianna Claudia Giannelli*
	Secs-p/06	Local and Industrial Development Economics	II		*Marco Bellandi Annalisa Caloffi*
	Sesc-p/05	Microeconometrics	I		*Alessandro*

					Palandri
	Ius/20	Politics of Globalisation and Human Rights	II		*Lucia Re*
		Choose two Optional Courses and/or Traineeship. ***Suggested Courses:***		12	
	Agr/01	Agriculture Development and Poverty	I		*Donato Romano*
	Agr/01	Agri-food Economics	II		*Andrea Marescotti*
	M-dea/01	Anthropology and Development	I		*Emanuela Rossi*
	Secs-s/04	Demography and Global Policy	I		*Gustavo De Santis*
		Econometrics Lab.	II		*Giorgio Calzolari*
	Secs-p/12	Economic History of Globalisation	I		*Luciano Segreto Francesco Ammannati*
		Economics Lab	II		*Lapo Filistrucchi*
	Ius/05	Economic Law	I		*Filippo Zatti*
	Secs-p/01	Economics of Innovations	I		*Mauro Lombardi*
	Secs-p/02	Energy, Environment and European Security	II		*Rossella Bardazzi Maria Grazia Pazienza*
		English for Economics	I		*Ilona V. Cziraky*
	M-ggr/02	Environment and Development	II		*Filippo Randelli*
		French	I		*Annick Farina*
		German	I		*Sabrina Ballestracci*
	Secs-p/03	Health and Education Economics	I		*Lisa Grazzini*
	Secs-p/04	History of Economic Thought	II		*Antonio Magliulo*
	Secs-p/01	Human Development and International Coop.	I		*Mario Biggeri*
	Sps/11	International Conflict Transformation	II		*Giovanni Scotto*
	Ius/13	International Law	I		*Antonio Bultrini*
	Secs-p/01	International Trade	I		*Giorgia Giovannetti*
	Secs-p/02	Labour Economics and Gender	I		*Gianna Claudia Giannelli*
	Secs-p/06	Local and Industrial Development Economics	II		*Marco Bellandi Annalisa Caloffi*
	Secs-s/06	Mathematical Methods for Economic Analysis	I		*Domenico Colucci*
	Secs-s/05	Measurement and Causes of Poverty	II		*Bruno Arpino*
	Secs-p/05	Microeconometrics	I		*Alessandro Palandri*
	Ius/20	Politics of Globalisation and Human Rights	II		*Lucia Re*
	Secs-s/04	Population, Society and Families	I		*Daniele Vignoli*
	Secs-s/05	Social Network Analysis	II		*Maria Francesca*

					Marino
		Spanish	I		*Caucci Von Saucken Jacopo Aldighiero*
		Stata Lab I: software (3 ECTS)	II		*Gianluca Stefani*
		Stata Lab II: Models and applications (3 ECTS)	II		*Leonardo Grilli*
	Secs-s/03	Statistical Information Systems: BigData, Open Data and Semantic Web	II		*Cristina Martelli*
	Secs-s/01	Elements of Policy Evaluation Methods	II		*Fabrizia Mealli*
		Joint Seminar Florence-Goettingen (3 ECTS)	II		*Donato Romano TBA*
	Secs-s/01	Causal Inference and Program Evaluation (9 ECTS)	II		*Fabrizia Mealli*
	-	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. Leonardo Boncinelli).

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	*Domenico Menicucci*
	Secs-p/01	Advanced Microeconomics	II	6	*Annalisa Luporini*
	Secs-p/01	Advanced Macroeconomics	II	9	*TBA*
	Secs-s/01	Statistical Inference	I	6	*Alberto Cassese*
	Secs-s/06	Mathematics for Economics	I	9	*Antonio Villanacci*
		Choose one from:		12	
	Secs-p/08 and Secs-p/11	Corporate Governance, Bank Management and Sustainable Finance	II		*Sara De Masi Federica Ielasi*
		Firms' financing, Bank	II		*Elisa Bocchialini*

	Secs-p/11	Management and Sustainable Finance			*Federica Ielasi*
	Secs-p/08 and Secs-p/11	Corporate Governance, Firms' Financing and Financial Markets	II		*Sara De Masi Elisa Bocchialini*
		Choose one from:		6	
	Ius/05	Economic Law	I		*Filippo Zatti*
	Ius/13	International law	I		*Antonio Bultrini*
Second Year	**Sector**	**Course**	**Semester**	**ECTS**	
	Secs-p/01	Political Economy	I	6	*Alessandro Gioffré Alessandro Tampieri*
	Secs-p/05	Microeconometrics	I	6	*Alessandro Palandri*
	Secs-p/05	Macroeconometrics	I	6	*Gabriele Fiorentini*
		Choose one from:		6	
	Secs-p/03	Behavioural Economics	I		*Chiara Rapallini*
	Secs-p/02	Computational Economics	II		*Giorgio Ricchiuti*
	Secs-p/01	Economics of Innovation	I		*Mauro Lombardi*
	Secs-p/01	International Trade	I		*Giorgia Giovannetti*
	Secs-p/02	Labour Economics and Gender	I		*Gianna Claudia Giannelli*
	Secs-p/03	Public Economics	II		*Lapo Filistrucchi*
		Choose one from:		6	
		Econometrics Lab	II		*Giorgio Calzolari*
		Economics Lab	II		*Lapo Filistruccchi*
		Mathematics Lab	II		*Antonio Villanacci*
		Experimental Economics Lab	I		*Roberto Di Paolo Vincenzo Valori*
		Choose two Optional Courses and/or Traineeship. Suggested Courses:		12	
	Secs-p/02	Behavioural and Social Evolution	I		*Leonardo Boncinelli*
	Secs-p/03	Behavioural Economics	I		*Chiara Rapallini*
	Secs-s/01	Causal Inference and Program Evalutation (9 ECTS)	II		*Fabrizia Mealli*
	Secs-p/02	Computational Economics	I		*Giorgio Ricchiuti*
	Secs-s/06	Computational Finance	I		*Lucio Geronazzo*
	Secs-s/04	Demography and Global Policy	I		*Gustavo De Santis*
		Econometrics Lab	II		*Giorgio Calzolari*
	Secs-s/04	Economic Demography	II		*Gustavo De Santis*
	Secs-p/12	Economic History of Globalisation	I		*Luciano Segreto*

					Francesco Ammannati
		Economics Lab	II		*Lapo Filistrucchi*
	Ius/05	Economic Law	I		*Filippo Zatti*
	Secs-p/01	Economics of Innovation	I		*Mauro Lombardi*
	Secs-s/01	Elements of Policy Evaluation Methods	II		*Fabrizia Mealli*
	Secs-p/02	Energy, Environment and European Security	II		*Rossella Bardazzi Maria Grazia Pazienza*
	Secs-p/03	Health and Education economics	I		*Lisa Grazzini*
	Secs-p/04	History of Economic Thought	II		*Antonio Magliulo*
	Ius/13	International Law	I		*Antonio Bultrini*
	Secs-p/01	International Trade	I		*Giorgia Giovannetti*
	Secs-p/02	Labour Economics and Gender	I		*Gianna Claudia Giannelli*
	Secs-s/04	Population, Society and Family	I		*Daniele Vignoli*
	Secs-p/03	Public Economics	II		*Lapo Filistrucchi*
	Secs-s/06	Quantitative Finance and Derivatives	I		*Maria Elvira Mancino*
	Secs-s/05	Social Network Analysis	II		*Maria Francesca Marino*
	Secs-s/03	Statistical Information Systems: Big Data, Open Data and Semantic Web	I		*Cristina Martelli*
	-	Thesis		21	

6.2 Track in BEHAVIOURAL ECONOMICS

First year	Sector	Course	Semester	ECTS	Professor
	Secs-s/06	Game Theory and Microeconomics	I	9	*Domenico Menicucci*
	Secs-p/01	Advanced Microeconomics	II	6	*Annalisa Luporini*
	Secs-p/01	Advanced Macroeconomics	II	9	*TBA*
	Secs-s/01	Statistical Inference	I	6	*Alberto Cassese*
	Secs-s/06	Mathematics for Economics	I	9	*Antonio Villanacci*
		Choose one from:		12	
	Secs-p/08 and Secs-p/11	Corporate Governance, Bank Management and Sustainable Finance	II		*Sara De Masi Federica Ielasi*
	Secs-p/11	Firms' Financing, Bank Management and Sustainable Finance	II		*Federica Ielasi Elisa Bocchialini*

	Secs-p/08 and Secs-p/11	Corporate Governance, Firms' Financing and Financial Markets	II		*Sara De Masi Elisa Bocchialini*
		Choose one from:		6	
	Ius/05	Economic Law	I		*Filippo Zatti*
	Ius/13	International Law	I		*Antonio Bultrini*
Second year	**Sector**	**Course**	**Semester**	**ECTS**	
	Secs-p/01	Political Economy	I	6	*Alessandro Gioffrè Alessandro Tampieri*
	Secs-p/05	Microeconometrics	I	6	*Alessandro Palandri*
	Secs-p/02	Behavioural and Social Evolution	I	6	*Leonardo Boncinelli*
	Secs-p/03	Behavioural Economics	I	6	*Chiara Rapallini*
		Experimental Economics Lab	I	6	*Roberto Di Paolo Vincenzo Valori*
		Choose two Optional Courses and/or Traineeship. Suggested Courses:		12	
	Secs-s/01	Elements of Policy Evaluation Methods	II		*Fabrizia Mealli*
	Secs-p/02	Computational Economics	I		*Giorgio Ricchiuti*
	Secs-s/04	Population, Society and Family	I		*Daniele Vignoli*
	Secs-s/05	Social Network Analysis	II		*Maria Francesca Marino*
		Stata Lab. I: Software (3 ECTS)	II		*Gianluca Stefani*
		Stata Lab. II: Models and Applications (3 ECTS)	II		*Leonardo Grilli*
	Secs-s/03	Statistical Information Systems: Big Data, Open Data and Semantic Web	II		*Cristina Martelli*
	-	Thesis		21	

* Please note that the study plan must 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 first semester of the a.y. 2022/2023, 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)

©Syracuse University – The library

8. DOUBLE DEGREES

The MSc in Economics and Development offers two Double Degrees:

- For the first-year students of the Curriculum in Development Economics a Double Degree Program is offered by the University of Florence, MSc in Economics and Development and the University of Göttingen (DE), MSc in Development Economics.
- For the first-year students of the Curriculum in Economics a Double Degree Program is offered by the University of Florence, MSc in Economics and Development and the University of Bamberg (DE), MSc in European Economic Studies.

Both Double Degrees offer students the opportunity to spend their first year at Florence University and their second year at the partner university 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.

8.1. DOUBLE DEGREE WITH THE UNIVERSITY OF GÖTTINGEN (CURRICULUM IN DEVELOPMENT ECONOMICS)

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's in Development Economics. These courses count towards the degree in the MSc in Economics and Development-Curriculum in Development Economics 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.

Students and life - © University of Goettingen

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 Goettingen

STUDY PLAN FOR STUDENTS FROM THE UNIVERSITY OF FLORENCE

The Double Degree program in Development Economics is four semesters in length during which 120 Credits are required according to the following regulations. Participants with home university Florence, Master thesis according to the regulations of the University of Göttingen. 1. 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 and Gender	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

f. Mandatory seminar (3 C)

XXX	Joint-Seminar Florence - Göttingen	3 C

2. 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

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 (offered only irregular)	6 C
M.WIWI-VWL.0117	Growth, Resources, and the Environment (offered only irregular)	6 C
M.WIWI-VWL.0147	Empirical Political Economy	6 C

M.WIWI-VWL.0019	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
M.WIWI-VWL.0138	Quasi-Experiments in Development Economics	6 C
M.WIWI-VWL.0175	International Development Policy	6 C
M.SIA.E14	Evaluation of Rural Development Policies and Projects	6 C

M.WIWI-VWL.0096	Essential of Global Health	6 C
M.WIWI-VWL.0176	The Political Economy of Social Protection	6 C
M.WIWI-VWL.0021	Gender and Development	6 C

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 (offered only irregular)	6 C
M.SIA.E.19	Market Integration and Price Transmission I	6 C
M.WIWI-VWL.0162	Firms in International Trade	6 C
M.WIWI-VWL.0086	Macroeconomics of Open Economies	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.0046	Seminar: Topics in European and Global Trade, 6 C
M.WIWI-VWL.0055	Seminar: Globalization and Development, 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.0132	Seminar: New Development in International Economics, 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.0112	Seminar: Financial Markets and the Macroeconomy, 6 C
M.WIWI-VWL.0137	Seminar: Games in Economic Development, 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 Field Experiments in Experimental Economics, 6C
M.WIWI-VWL.0046	Seminar Topics in European and Global Trade, 6 C
M.SIA.E20	Agricultural Policy Seminar, 6 C
M.WIWI-VWL.0182	Evaluating Development Effectiveness, 6 C
M.WIWI-VWL.0184	Empirical Analysis of Conflict and Development, 6 C
M.WIWI-VWL.0185	Seminar in Development Economics, 6C
M.WIWI-VWL.0187	Social Assistance in Developing Countries, 6C
M.WIWI-VWL.0190	Seminar Topics in Urban Economics, 6C

M.WIWI-VWl.0191	Seminar Advanced Topics in Urban Economics, 6 C

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

STUDY PLAN FOR STUDENTS FROM THE UNIVERSITY OF GÖTTINGEN

The Double Degree program in Development Economics is four semesters in length during which 120 Credits are required according to the following regulations. Participants with home university Göttingen, 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
M.WIWI-VWL.0122	Behavioral Development Economics 6 C

d. Mandatory course in Quantitative Economics (6 C)

M.WIWI-VWL.0099	Poverty & Inequality, 6 C

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.0046	Seminar: Topics in European and Global Trade, 6 C
M.WIWI-VWL.0055	Seminar: Globalization and Development, 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.0132	Seminar: New Development in International Economics, 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.0112	Seminar: Financial Markets and the Macroeconomy, 6 C

M.WIWI-VWL.0137	Seminar: Games in Economic Development, 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 Field Experiments in Experimental Economics, 6C
M.WIWI-VWL.0046	Seminar Topics in European and Global Trade, 6 C
M.SIA.E20	Agricultural Policy Seminar, 6 C
M.WIWI-VWL.0182	Evaluating Development Effectiveness, 6 C
M.WIWI-VWL.0184	Empirical Analysis of Conflict and Development, 6 C
M.WIWI-VWL.0185	Seminar in Development Economics, 6C
M.WIWI-VWL.0187	Social Assistance in Developing Countries, 6C
M.WIWI-VWL.0190	Seminar Topics in Urban Economics, 6C
M.WIWI-VWl.0191	Seminar Advanced Topics in Urban Economics, 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
M.Agr.0118	Applied Microeconometrics 6 C

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:

B026830	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

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 and Gender	6 C
B016505	Agriculture Development and Poverty	6 C
B016512	Environment and Development	6 C
B030708	Macroeconometrics	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
B020842	Econometrics Lab.	6 C
B030726	Stata Lab I: software (3 ECTS)	6 C
B030725	Stata Lab II: Models and applications (3 ECTS)	
B026829	International Trade	6 C
B020853	Labour economics and Gender	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
B030705	Advanced Microeconomics	6 C
B030706	Political Economy	6 C
B030709	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
B030715	Experimental Economics Lab.	6 C
B030596	Elements of Policy evaluation methods	6 C

f. Mandatory seminar (3 Credits)

XXX	Joint-Seminar Florence - Göttingen	3 C

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.

8.2 DOUBLE DEGREE WITH THE UNIVERSITY OF BAMBERG (CURRICULUM IN ECONOMICS)

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 Bamberg and the second academic year at the University of Bamberg 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 Bamberg

This program provides students with advanced quantitative methods and techniques in order to use both theoretical and empirical tools to analyse major current economic issues and policies, to appraise the competitiveness of markets, to forecast macroeconomic and financial variables, to evaluate programs for private and public institutions, especially with reference to the European Institutions.

Key competences provided include the capacity to conduct both theoretical and applied research in the fields of economics, tools for economic and econometric methods to analyze data and formulate or evaluate global and sectorial economics policies, and an understanding of the international economic structures.

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 Economics).

After the first academic year in Florence, students spend the entire second year in Bamberg, taking courses from the master's in European Economic Studies. Here students enjoy a high degree of flexibility and can choose among a variety of courses, both theoretical and applied. These courses count towards the degree in the MSc in Economics and Development-Curriculum in Economics from the University of Florence. The last semester in Bamberg is dedicated to the completion of the master thesis.

The city - © University of Bamberg

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.
- have a personalized academic profile thanks to a high degree of flexibility in the programme
- acquire an international and interdisciplinary economics profile.

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 as a professional economist in a wide range of positions in private economic consultancy agencies, business, finance, national and international organisations and governments, and enrolment in a PhD programme (in Economics and related topics) at leading universities around the world.

Social Sciences, Economics and Business Administration – © University of Bamberg

STUDY PLAN FOR STUDENTS FROM THE UNIVERSITY OF FLORENCE

1st and 2nd semester at the University of Florence

Students start in September in Florence and complete 60 ECTS of the Master in Economics and Development. They choose the curriculum in *Economics*.

The following table shows the details of the recognition in Bamberg for the current program.

MAEES1 Methods and Fundamentals (Firenze):

Advanced Macroeconomics	9 ECTS
Mathematics for Economics	9 ECTS
Sum	**18 ECTS**

MAEES Specialisation (Firenze):

Game Theory and Microeconomics	9 ECTS
Advanced Microeconomics	6 ECTS
Statistical Inference	6 ECTS
One lab to be chosen between the following	
Stata Lab I: Software	3 ECTS
Stata Lab II: Models and Applications	
One courses to be chosen among the following:	
Economic Law International law	6 ECTS
Sum	**30 ECTS**

MAEES2 Languages (Firenze):

Two courses to be chosen among the following:	
Corporate Governance, Bank Management and Sustainable Finance Firms' financing, Bank Management and Sustainable Finance Corporate Governance, Firms' Financing and Financial Markets	12 ECTS
Sum	**12 ECTS**

3rd and 4th Semester at the University of Bamberg

Students complete the 60 ECTS of Master in European Economic Studies in Bamberg, which are eligible for recognition in Bamberg. They choose the following Modules following the rules of the respective Module groups.

MAEES1 Methods and Fundamentals (Bamberg):

One course to be chosen among the following:	
SuStat-014-M: Advanced Econometrics	6 ECTS

SuStat-013-M: Basic Econometrics	
Sum	**6 ECTS**

MAEES Specialisation (Bamberg):

In Bamberg, students have to complete 30 ECTS with Modules of the Module groups MAEES Specialisation (of 6 ECTS each):

MAEES3 International Economics	
MAEES3.1: Financial Engineering and Systemic Risk	6 ECTS
MAEES3.2: The Economics of Inequality	6 ECTS
MAEES3.3: International Monetary Economics	6 ECTS
MAEES3.4: Complexity and Distribution in Economics	6 ECTS
MAEES4 Empirical Microeconomics	
MAEES4.1: Microeconomics of Education	6 ECTS
MAEES4.2: Applied Economics of Education	6 ECTS
MAEES4.3: Topics in Labour Economics	6 ECTS
MAEES4.4: Personality Psychology and Economics	6 ECTS
MAEES5 Public Economics	
MAEES5.1: *Political Economics*	6 ECTS
MAEES5.2: *Advanced Topics in Public Economics*	6 ECTS
MAEES5.3: *Evolution, Learning, and Behaviour*	6 ECTS
MAEES5.4: *Incentives and Behaviour*	6 ECTS
MAEES7 Economic Theory	
MAEES7.1: *Games and Contracts*	6 ECTS
MAEES7.2: *Public Economic Theory*	6 ECTS
MAEES7.3: *Advanced Industrial Economics*	6 ECTS
MAEES7.4: *Topics in Economic Theory and Applications to European Policy*	6 ECTS
MAEES8 Applied Economic Research	
MAEES8.1: *Empirical Monetary Macroeconomics*	6 ECTS
MAEES8.2: *Computational Behavioural Macroeconomics*	6 ECTS
MAEES8.3: *Financial Macroeconomics*	6 ECTS
MAEES8.4: *Advanced Topics in Empirical Macroeconomics*	6 ECTS
Sum	**30 ECTS**

MAEES 12 Thesis:

Students have to write a Master Thesis in Bamberg, which is worth **24 ECTS**. The Master Thesis must be completed following the rules of the University of Bamberg.

STUDY PLAN FOR STUDENTS FROM THE UNIVERSITY OF BAMBERG

1st and 2nd semester at the University of Bamberg

Students start in September in Bamberg and complete 60 ECTS of the Master in European Economic Studies. They choose the following Modules following the rules of the respective Module groups.

MAEES1 Methods and Fundamentals (Bamberg):

MAEES1.1: Advanced Microeconomics	6 ECTS
MAEES1.2: Advanced Macroeconomics	6 ECTS
Mathe-M-01: Dynamics, Stability and Optimization	6 ECTS
One course to be chosen among the following:	
SuStat-014-M: Advanced Econometrics	6 ECTS
SuStat-013-M: Basic Econometrics	6 ECTS
Sum	**24 ECTS**

MAEES Specialisation (Bamberg):

Two courses to be chosen among the following:	
BFC-M-02 International Finance	6 ECTS
IRWP-M-01 Konzernrechnungslegung nach HGB und IFRS (Group Accounting in accordance with the German Commercial Code and IFRS)	6 ECTS
VM-M-02 Business-to-Business Marketing & Purchasing	6 ECTS
VM-M-01 Price Management	6 ECTS
VM-M-09 Intercultural Challenges in Customer and Account Management	6 ECTS
Four courses to be chosen among the following:	
MAEES3 International Economics	
MAEES3.1: Financial Engineering and Systemic Risk	6 ECTS
MAEES3.2: The Economics of Inequality	6 ECTS
MAEES3.3: International Monetary Economics	6 ECTS
MAEES3.4: Complexity and Distribution in Economics	6 ECTS
MAEES4 Empirical Microeconomics	
MAEES4.1: Microeconomics of Education	6 ECTS
MAEES4.2: Applied Economics of Education	6 ECTS
MAEES4.3: Topics in Labour Economics	6 ECTS
MAEES4.4: Personality Psychology and Economics	6 ECTS
MAEES5 Public Economics	
MAEES5.1: *Political Economics*	6 ECTS
MAEES5.2: *Advanced Topics in Public Economics*	6 ECTS
MAEES5.3: *Evolution, Learning, and Behaviour*	6 ECTS
MAEES5.4: *Incentives and Behaviour*	6 ECTS

MAEES7 Economic Theory	
MAEES7.1: *Games and Contracts*	6 ECTS
MAEES7.2: *Public Economic Theory*	6 ECTS
MAEES7.3: *Advanced Industrial Economics*	6 ECTS
MAEES7.4: *Topics in Economic Theory and Applications to European Policy*	6 ECTS
MAEES8 Applied Economic Research	
MAEES8.1: *Empirical Monetary Macroeconomics*	6 ECTS
MAEES8.2: *Computational Behavioural Macroeconomics*	6 ECTS
MAEES8.3: *Financial Macroeconomics*	6 ECTS
MAEES8.4: *Advanced Topics in Empirical Macroeconomics*	6 ECTS
Sum	**36 ECTS**

3rd and 4th Semester at the University of Florence

Students complete the Modules of the second year of the Master in Economics and Development, which are eligible for recognition in Bamberg. They choose the curriculum in *Economics*, and they can additionally choose between a *track in Economics*, a *track in Behavioural Economics*, and a *track in Development Economics*.

The following tables show the details of the recognition in Bamberg for the current program.

Students who choose the curriculum in Economics with the track Economics

MAEES Specialisation (Firenze):

Political Economy	6 ECTS
One courses to be chosen among the following:	
Economic Law International Law	6 ECTS
One courses to be chosen among the following:	
Microeconometrics Macroeconometrics	6 ECTS
One course to be chosen among the following:	
Behavioural Economics Computational Economics Economics of Innovation International Trade Labour Economics and Gender Public Economics	6 ECTS
Sum	**24 ECTS**

MAEES2 Languages (Firenze):

Two courses to be chosen among the following:	
Behavioural and Social Evolution // Behavioural Economics // Causal Inference and Program Evaluation // Computational Economics // Computational Finance // Demography and Global Policy // Econometrics Lab // Economic Demography // Economic History of Globalisation // Economics Lab (Competition Policy) // Economics of Innovation // Elements of Policy Evaluation Methods // Energy Policies and International Policies // Health and Education economics // History of Economic Thought // International Trade // Labour Economics and Gender // Population, Society and Family // Public Economics // Quantitative Finance and Derivatives // Social Network Analysis // Statistical Information Systems: Big Data, Open Data and Semantic Web	**12 ECTS**
Sum	**12 ECTS**

MAEES12 Thesis (Firenze):

Thesis	21 ECTS
One lab to be chosen between the following	
Stata Lab I: Software	3 ECTS
Stata Lab II: Models and Applications	
Sum	**24 ECTS**

- —Students who choose the curriculum in Economics with the track Behavioural Economics

MAEES Specialisation (Firenze):

Political Economy	6 ECTS
Microeconometrics	6 ECTS
Behavioural and Social Evolution	6 ECTS
Behavioural Economics	6 ECTS
Sum	**24 ECTS**

MAEES2 Languages (Firenze):

One courses to be chosen among the following:	
Economic Law	6 ECTS
International Law	
One course to be chosen among the following:	
Elements of Policy Evaluation Methods	6 ECTS
Computational Economics	
Population, Society and Family	

Social Network Analysis	
Experimental Economics Lab	
Statistical Information Systems: Big Data, Open Data and Semantic Web	
Sum	**12 ECTS**

MAEES12 Thesis (Firenze):

Thesis	21 ECTS
One lab to be chosen between the following	
Stata Lab I: Software	3 ECTS
Stata Lab II: Models and Applications	
Sum	**24 ECTS**

- **Students who choose the curriculum in Economics with the track Development Economics**

MAEES Specialisation (Firenze):

International Trade	6 ECTS
Three courses to be chosen among the following:	
Agriculture Development and Poverty	
Measurement and Causes of Poverty	
Mathematical Methods for Economic Analysis	
Human Development and International Cooperation	
Economics of Innovation	
Health and Education Economics	
Anthropology and Development	
Economic History of Globalisation	
Environment and Development	18 ECTS
History of Economic Thought	
International Conflict Transformation	
Labour Economics and Gender	
Local and Industrial Development Economics	
Macroeconometrics	
Microeconometrics	
Politics of Globalisation and Human Rights	
Econometrics Lab	
Economics Lab (Competition policy)	
Sum	**24 ECTS**

MAEES2 Languages (Firenze):

One of the following courses:	
Economic Law	6 ECTS
International law	

One course to be chosen among the following:

Measurement and Causes of Poverty	6 ECTS
Mathematical Methods for Economic Analysis	
Human Development and International Cooperation	
Economics of Innovation	
Health and Education Economics	
Sum	**12 ECTS**

MAEES12 Thesis (Firenze):

Thesis	21 ECTS
One lab to be chosen between the following	
Stata Lab I: Software	3 ECTS
Stata Lab II: Models and Applications	
Sum	**24 ECTS**

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.
SDGs: 4, 8, 9

Advanced Macroeconomics

ECTS: 9
Year: 1
Semester: II
Instructors: TBA
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.
SDGs: 8, 9, 12

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, Demand analysis, 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: 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.
SDGs: 2, 8, 11

Anthropology and Development

ECTS: 6
Year: 2
Semester: I
Instructor: Emanuela Rossi

This course seeks to address the relationships between museums and our society. In recent decades, museums have encountered enormous changes; a constant and ongoing process of renewal and transformations. We will focus on these changes by mainly working through case studies.

The strength of the “heritage paradigm” in the contemporary will be analyzed by focusing on some of the “tensions” surrounding museums and heritage, and the protagonists of their contemporary successes and challenges; among whom can be included organized communities of immigrants, contemporary artists, and those belonging to what ethnography museum staff used to call “source communities,” or rather “natives.

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.

SDGs: 4, 11, 16.

Behavioural Economics

ECTS: 6

Year: 2

Semester: I

Instructors: Chiara Rapallini

The course is organized by topics and each of them will be introduced by a few lectures followed by presentations by students in class of a list of selected papers. The following topics will be addressed: 1. bounded rationality and the use of heuristics for complex choices; 2. choice with risk and the prospect theory; 3. social preferences; 4. gender pay gap; 5. income and subjective well-being; 6. poverty and nudging. The topic will be presented by comparing the main findings of the neoclassical economic theory with that of the behavioural approach. Together with the theory, a specific attention will be given to the implications of the behavioural approach for designing policies. Students will be introduced to the experimental methods by experiencing a few practical sessions in the lab and a few meetings with a neuroscientist will be organised in order to introduce students to the basics of neuro-economics.

SDGs: 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: II
Instructors: Giorgio Ricchiuti

Does it make sense for a scientist to restrict her hypotheses in such a way that she obtains closed form solutions for her models, even if these hypotheses are clearly at odds with the basic facts the models are supposed to explain? Natural scientists have answered this question several decades ago with a clear "no", gaining in exchange for the opportunity to build a very sophisticated theory with unparalleled explanatory and predictive power of highly complex phenomena. To go beyond the limits of analytical tractability, it is possible to resort to a vast kit of computational methods: numerical root finding, simulated non-linear dynamic systems, agent-based simulations, network analysis etc. Although many of these have already become of common use in econometrics, the theoretical implications of computational methods for economics still have to be widely accepted, especially when they involve topics such as non-linearity, network analysis, agent heterogeneity, bounded rationality, learning and interaction.
SDGs: 4, 8, 9

Corporate Governance, Firms' Financing and Financial Markets

ECTS: 12
Year: 1
Semester: II
Instructors: Sara De Masi, Elisa Bocchialini

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.
SDGs: 5,

Firms' Financing and Financial Markets – Elisa Bocchialini

The course aims to develop advanced knowledge about the financial system, and to understand its

functions, components, and evolutionary dynamics, particularly concerning the needs of companies. The course is structured in three main parts. The first part focuses on the financial system, analyzing the role ofnCentral Banks and the monetary policy in affecting the financial markets, and then tackling the issues related to the financial intermediation theory and market efficiency. The second part of the course focuses on the firms funding strategies, distinguishing between market funding and bank debt. After analyzing the company life cycle, the course studies in depth as financial markets support a firm;s activity (how they work and what they are used for). The analysis includes an examination of money, stock, and bond markets, as well as insurance and pension markets. The last part of the course focuses on Fintech, namely the impact of digitalization on enterprise services and instruments.
SDGs: 4, 8, 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.
SDGs: 5.

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, ESG risks...). During the course we will analyze innovations about bank regulation and digital innovation in banks. Besides, the course aims to make an analysis of ethical and sustainable banks, as well as the main instruments for sustainable responsible investing.
Objectives:
- to develop awareness and knowledge on bank management and ethical finance;

- to develop skills on the main tools for managing capital and risks in banks;
- to deepen the specialized vocabulary, in English, to increase the learning abilities and communication skills about bank management, also in international contexts.
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, to ensure stable growth and poverty reduction as well as the inequality-growth-poverty nexus and macro policies. The theoretical approach of the Teaching Notes is eclectic, though its overall slant is Keynesian-Structuralist.
SDGs: 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.
SDGs: 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 16

Econometrics Lab

ECTS: 6
Year: 2
Semester: II
Instructor: Giorgio Calzolari
Students are requested to verify, by means of Monte Carlo simulations, some properties of the methods whose "theory" had been studied in the previous courses of Econometrics (such as Econometrics of BA, Microeconometrics, Macroeconometrics, Statistical Inference). Examples are:

Unbiasedness and efficiency of ordinary least squares in a regression model satisfying "classical" assumptions (Gauss-Markov theorem). Bias, inconsistency and/or consistency of ordinary least squares in presence of endogenous regressors. Instrumental variables estimation method. Likelihood, score and information matrix. Maximum likelihood estimation method, Numerical techniques to maximize the likelihood, Computational efficiency of maximization techniques: Newton-Raphson versus BHHH. Alternative estimators of the information matrix and of the variance-covariance matrix. Pseudo-maximum likelihood (or quasi-mximum likelihood) of misspecified models (and robust estimator of the variance-covariance matrix). Simulated maximum likelihood. Indirect inference. Monte Carlo simulations will be done on simple linear and non-linear regression models, microeconometric models (logit, probit, tobit), models for time series (AR, MA). Some lessons will "refresh" (or integrate) the theory already studied in the previous courses of Econometrics. The course will "not" include lessons on a particular programming language. Students will be requested to "program" the Monte Carlo simulation algorithms, not simply to apply tools provided by the available commercial computer packages. Therefore, students "must" already have a working knowledge of (and be "moderately" fluent with) a programming language of their choice (Matlab, R, C, Fortran, Python are all suitable; different students may use different programming language; the purpose of the course is to experiment econometric methods, "not" to learn a programming language). To pass the exam ("idoneous") a student must produce "convincing" results of her/his experiments.

Economic History of Globalization

ECTS: 6
Year: 2
Semester: I
Instructor: Luciano Segreto and Francesco Ammannati

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 that 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 Chines 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: 1, 2, 3, 4, 5, 8, 9,10, 16.

Economics Lab

ECTS: 6
Year: 2
Semester: II
Instructor: Lapo Filistrucchi
The objective of this laboratory is to bring the student toward selecting, reading, understanding and communicating scientific research in the field of economics. Our times are characterized by a deep division between scientific research and diffusion of relevant knowledge in the society and in the popular debate. A student of economics should be able evaluate the merit of economic and policy discussions on the basis of the appropriate findings of the literature, and in particular to select the relevant papers on the basis of the relevance and credibility of their publication, digest the theoretical and empirical material of these papers, realize their limits and their points of strength and weakness, and also communicate their message in a clear way with respect to alternative views. In this laboratory we will select economic issues of various nature, policy questions and aggregate phenomena that can be analyzed with economic tools, and will select relevant papers from the economic literature at the frontier to try to find some answers. In this laboratory, students will be assigned a topic, will have to review the literature through appropriate tools and select a paper, analyze it and be able to summarize, criticize and communicate its message. This will be done by a presentation in class and/or an essays written at home.

Economic Law

ECTS: 6
Year: 2
Semester: I
Instructor: Filippo Zatti

The economic law course consists of two parts. The first is an overview of the main principles and laws through which rule makers can deploy the regulatory framework of the economy. The aim is to enable any student, regardless of background, to understand how law can affect the economy. This part concludes with an analysis of how the EU economy regulation works. The second part of the course focused on capital market regulation with a specific look at the EU framework (MiFID II, Prospectus, Transparency, and Market Abuse) and the impact of technological innovation (FinTech) on the Capital Market Union. The course will conclude with a brief review of emerging legal issues concerning the adoption of blockchain technology.
SDGs: 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: 8, 9, 10, 11.

Energy, Environment and European Security

ECTS: 12
Year: 1
Semester: II
Instructor: Rossella Bardazzi *e* Maria Grazia Pazienza
The course aims at presenting a comprehensive analysis of the issues of energy, environment and European policy from a strong multidisciplinary perspective, as this course encompasses three different disciplines (history of international relations, energy economics and environmental economics). In detail, the first module starts with a broad historical appraisal (1850-2010) and analyzes changes in the global energy consumption and production patterns. Then the different oil crises and the role of diversification for energy relations and EU external relations is considered. The second module deals with the foundations of energy economics: the role of energy in the economic systems, the main energy-related indicators and a deeper analysis of demand and supply

are discussed. Finally, the third module considers the environmental perspective: resources, external costs and environmental policy instruments to fight climate change are taken into consideration.

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: 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: 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.
SDGs: 1,2,3,4,5,8,10,13

Experimental Economic Lab

ECTS: 6
Year: 2
Semester: I
Instructor: Roberto Di Paolo and Vincenzo Valori

The experimental method is nowadays considered as an important tool in the typical economist's toolbox. It provides a method to test theoretical predictions, to explore human behavior in specific economic environments, to help design institutions, to advice on policy and to search for patterns and regularities. The workshop deals with the methodological, historical and practical aspects of Experimental Economics, illustrated by examples and applications taken from the literature.
By the end of the course, students will have acquired the set of basic tools which are necessary to understand the existing experimental literature, assess the strengths and weaknesses of an experimental paper.
Students will also have acquired the minimal necessary skills to address the various steps of the design and organization of an experiment, such as: organize a bibliographic review to motivate an original idea for an experiment; design an actual experiment; write precise instructions for an experiment; program an experiment – (the emphasis of the workshop is not about coding, but support will be provided to those that will try to engage in this activity); run an experiment in the lab (or online); analyze the data of an experiment (again, the workshop is not about statistics/econometrics, but support will be provided to those that will try to engage in this activity); comment the outcome of an experiment.

Firms' Financing, Bank Management and Sustainable Finance

ECTS: 12
Year: 1
Semester: II
Instructors: Federica Ielasi, Elisa Bocchialini

Firms' Financing and Financial Markets – Elisa Bocchialini

The course aims to develop advanced knowledge about the financial system, and to understand its functions, components, and evolutionary dynamics, particularly concerning the needs of companies. The course is structured in three main parts. The first part focuses on the financial system, analyzing the role of Central Banks and the monetary policy in affecting the financial markets, and then tackling the issues related to the financial intermediation theory and market efficiency. The second part of the course focuses on the firms funding strategies, distinguishing between market funding and bank debt. After analyzing the company life cycle, the course studies in depth as financial markets support a firm;s activity (how they work and what they are used for). The analysis includes an examination of money, stock, and bond markets, as well as insurance and pension markets. The

last part of the course focuses on Fintech, namely the impact of digitalization on enterprise services and instruments.
SDGs: 4, 8, 9

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, ESG risks...). During the course we will analyze innovations about bank regulation and digital innovation in banks. Besides, the course aims to make an analysis of ethical and sustainable banks, as well as the main instruments for sustainable responsible investing.
Objectives:
- to develop awareness and knowledge on bank management and ethical finance;
- to develop skills on the main tools for managing capital and risks in banks;
- to deepen the specialized vocabulary, in English, to increase the learning abilities and communication skills about bank management, also in international contexts.

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

French

ECTS: 6
Year: 1
Semester: I
Instructor: Annick Farina

The course aims to help students acquire advanced French language skills (C level of the European framework), as well as metalinguistic and meta-cultural skills through historical, literary and artistic topics linked to the use of the French language. The course is a 'blended' course with 3 CFU of tutoring on the Moodle platform (2nd part of the first semester). A complete bibliography on the lexicological and terminological resources will be provided at the start of the course. The course provides a background in French lexicology and its relationships with the terminology of French-Italian bilingual lexicography. It enables students to learn and reinforce advanced knowledge and skills in the use of the French language (lectorship) and of comparative and applied linguistics, with translation exercises, and in the use of technical structures and vocabulary. C1 level of French for students of the double degree in translation. B2 level for other students. The lessons take place in the classroom and the computer lab, with the aid of an e-learning platform. Final oral exams require students to first pass written exams / papers - group and personal papers and in-class presentations : preparation of a personal path for any student. The course aim is to help students acquire advanced French language skills (C level of the European framework), as well as metalinguistic and meta-cultural skills through historical, literary and artistic topics linked to the use of the French language. The course focuses on the French language as related to describing cultural heritage.

German

ECTS: 6
Year: 1
Semester: I

Instructor: Sabrina Ballestrucci
In general, the course offers the opportunity to deepen and consolidate knowledge and skills linguistics and grammar acquired in previous years in the context of the lectorate and develop basic specialized knowledge and skills in the following scientific-didactic fields: analysis stylistic linguistic of literary texts, diamesic variation, lexicon and history of the language, translation literary and specialist. For the part of translation and linguistic-stylistic analysis will be given articulate attention to texts relating to travel literature and to specialized texts in the artistic field and tourist.
Specifically, the student must demonstrate that they know:
• with particular reference to the literary language and the specialized language, describe theoretically, both in Italian and in German, and to recognize the main phenomena on a textual basis morphological, syntactic and textual of the German language, also in a contrastive perspective with Italian
• describe phenomena of lexical variation from a diachronic perspective
• describe the peculiarities of the literary and specialist text in German in comparison with the Italian and / or English translations
• recognize and compare the main peculiarities of the various Italian translations
• propose reflections from a translation point of view.
• draw up cohesive and coherent documents on the proposed problems.
SDGs: 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.
SDGs: 9, 17

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 it. 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: 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 16.

History of Economic Thought

ECTS: 6
Year: 2
Semester: II
Instructor: Antonio Magliulo
The course connects the history of economic thought onto Global History by showing how significant economic ideas have influenced the process of Europe's formation from the very beginning to the present day. Program: 1. Medieval Economic Thought and the Birth of Europe – 2.Mercantilism and Physiocracy in the Making of a Europe of Absolute Monarchies (1517– 1776) – 3.Classical Political Economy and a Europe of Liberal Nation-States (1776–1870) – 4. Neoclassical Economics vs. Etatism and a Europe of Empires (1871–1918) – 5. Neoliberalism(s) and Corporatism: A Europe of Sovereign Nations and Its Failure (1919– 1943) – 6. The Invention of Functionalism and the "Separated Unification" of Europe (1944–1973) – 7. Decline of Etatism, Rebirth of Neoliberalism, and United Europe (1974–2007) – 8. Crisis of Neoliberalism, the Greatest Recession, and Unfinished Europe (2008–). By the end of the course, students will be knowledgeable about some significant moments in the history of economic thought and about the intertwined political history of Europe. They will understand that economic ideas have political power and that Europe was born before the institutions that govern it today. Students will also be able to analyze the nature of the fundamental problems that Europe has faced over time and the significance of some crucial economic policy choices.

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 Conflict Transformation

ECTS: 6
Year: 2
Semester: II
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 ongoing Russian invasion in Ukraine. Alongside war and violent conflict, there are many examples of peaceful settlement of international disputes in history. 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 presenting a theoretically informed overview of the field and developing basic skills of conflict transformation and nonviolent social change. Actuvists and practitioners of conflict transformation will share their insights and experiences.
NB: the course will take place in the premises of Syracuse Univesity in Florence, piazza Savonarola 15
Start: 6. September 2022
SDGs: 16

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: 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 or the war) 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 morels). 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? How do sanctions work for countries imposing them and countries which are target) The first part of the course, after an introduction on how to measure globalization and de-slowglobalization, also accounting for the value added created in each country, gives an overview of the main theories in international trade and analyszes historical trends in integration (trade, capital, people, ideas). It also highlights the changing 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/ slow-lobalization process, such as offshoring, outsourcing, reshoring, global value chains at local, regional and global level and automation. It discusses the theories recently developed to address these 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/ slowbalization: useful definitions; statistical and economic indicators of globalization, specialization, imbalances; Ricardo's model of International Trade (brief); Hescker-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: 1, 2, 4, 8, 9, 10, 16, 17.

Labour Economics and Gender

ECTS: 6
Year: 2
Semester: I
Instructor: Gianna Claudia Giannelli

What is the future of work for people? What about gender equality in education and in the labour market? What are the impacts of economic shocks - the pandemic, climate changes - on gender differences? What is the state of the Sustainable Development Goal (SDG) 5, "Achieve gender equality and empower all women and girls" and SDG 8, "Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all"?
I focus on gender differences, since one of the more prevalent topics in labour economics deals with gender inequalities in the labour market in terms of the gender participation, wage and representation gaps.

In the first part of the course I illustrate how economic models can be applied to labour market phenomena, such as labour supply and participation, labour demand by firms, and wage determination under different institutional settings. In parallel, I present some practical applications on the use of data to test empirically fundamental econometric relationships in the labour markets. The second part of the course is more policy oriented and I focus on gender issues in the labour markets of developed and developing countries. A number of topics will be dealt with, such as gender gaps in education and earnings, discrimination, women's empowerment in the household and the effects of climate shocks and migration. The exam consists in a written test and, for students who actively participate in the discussion, part of the test can be substituted by a presentation in class on one paper on the reading list I suggest. The course is intended for both the curricula in economics and development economics. The text is George J. Borjas, Labor Economics, Mc Graw Hill, 8TH EDITION, 2020, and I shall provide a reading list for the topics of the second part of the course, from which the student can choose one paper to study and present. The exam consists in a written test and, for students who actively participate in the discussion, part of the test can be substituted by a presentation in class on one paper chosen by the student from the reading list I suggest.

SDGs: 3, 4, 5, 8, 10

Local and Industrial Development

ECTS: 6
Year: 2
Semester: II
Instructors: Marco Bellandi, Annalisa Caloffi

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.
SDGs: 11

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. Students will learn how the so called 'triple burden of malnutrition' – consisting of undernutrition, overweight and obesity, and micronutrient deficiencies – is measured, what are its socio-economic determinants, its consequences on people wellbeing, and what policies can be implemented to address this issue.
SDGs: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 Identifcation, The Impulse Response Function, Structural VARs, Examples of Structural Decompositions, Overidentifed 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.
SDGs: 8, 9,12

Mathematical Methods for Economics Analysis

ECTS: 6
Year: 1
Semester: I
Instructor: Domenico Colucci

This course introduces students to some of the mathematical tools required for intermediate level courses in economics (applied and theory): in particular Riemann integration (areas, indefinite integrals, improper integrals with application to random variables), elements of linear algebra, matrices and vector spaces, functions of several variables, differential calculus, and optimization.

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: 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
SDGs: 1,3,4,5,8,10

Microeconometrics

ECTS: 6
Year: 2

Semester: I
Instructor: Alessandro Palandri
Introduction to Maximum Likelihood and Classical Test Principles. Binary Data Models: Link Functions, Interpretation of Coefficients, Latent Variable Models, Goodness of fit. Count Data Models: Poisson Regressions, Over Dispersion: Negative Binomial Types I and II. Duration Data Models: Survival Function, Hazard Rate, Censoring. Introduction to Quasi-Maximum Likelihood: Maximum Likelihood Issues, Quasi- Maximum Likelihood, Properties. Introduction to the Generalized Method of Moments: Moment Conditions and Identification, Instrumental Variables, Estimation, Consistency, Asymptotic Distribution, Efficient GMM, Comparison with Maximum Likelihood. Panel Data Models: Pooled OLS, Unobserved Heterogeneity, Fixed Effects, Random Effects, Hausman Test.

Political Economy

ECTS: 6
Year: 2
Semester: I
Instructors: Alessandro Gioffré 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: 16, 17.

Politics of Globalization and Human Rights

ECTS: 6
Year: 2
Semester: II
Instructor: Lucia Re
The course offers an interactive program for attending students. In the first part classes are held in form of lectures, but students are asked to discuss the topics and readings that the teacher presents in class. Handouts and other materials are distributed in class by the teacher. A selected bibliography is given and presented to students, in order to allow them to choose the texts they will read for the second part of the course. Special lectures with guests are organized. In the second part of the course classes are held in form of seminars. Students are asked to present and discuss the selected readings with the teacher and with the other students. At the end of the course they will write a paper on the readings they presented orally. The course deals 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: 1, 5 ,7 ,8 ,10 ,11 ,12 ,13 ,16.

Population, Society and Families

ECTS: 6
Year: 2
Semester: I

Instructor: Daniele Vignoli

This course focuses on family life courses along with an emphasis on family change in connection with societal change. In the first part of the course, we will consider many of the substantive issues that are of concern to family and social demographers, including family formation and dissolution trends, such as the retreat from marriage and the rise of cohabitation; fertility and reproductive change; trends in divorce and repartnering; the effects of family structure and instability on child outcomes; same-sex couple families; family complexity. In the second part, the course offers an introduction to quantitative methods to study life courses; namely, an introduction to techniques of event history analysis (also known as survival analysis, hazard regression, intensity regression, or duration data analysis). Event-history techniques are commonly used for the statistical analysis of key transitions over the life course (transition to first employment; transition to first birth; transition into unions; transition to retirement; and so forth). During the course, the students will develop their own research project to respond to a substantive research question (in the area of family and social demography) using the STATA statistical software.

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.

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: 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. Moreover, multilevel linear models with random effects are introduced. The ideas are illustrated through the analysis of real data using Stata.

Statistical Inference

ECTS: 6
Year: 1
Semester: I
Instructor: Alberto Cassese
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: 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 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

© University of Florence

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.


© University of Florence

- ✓ 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

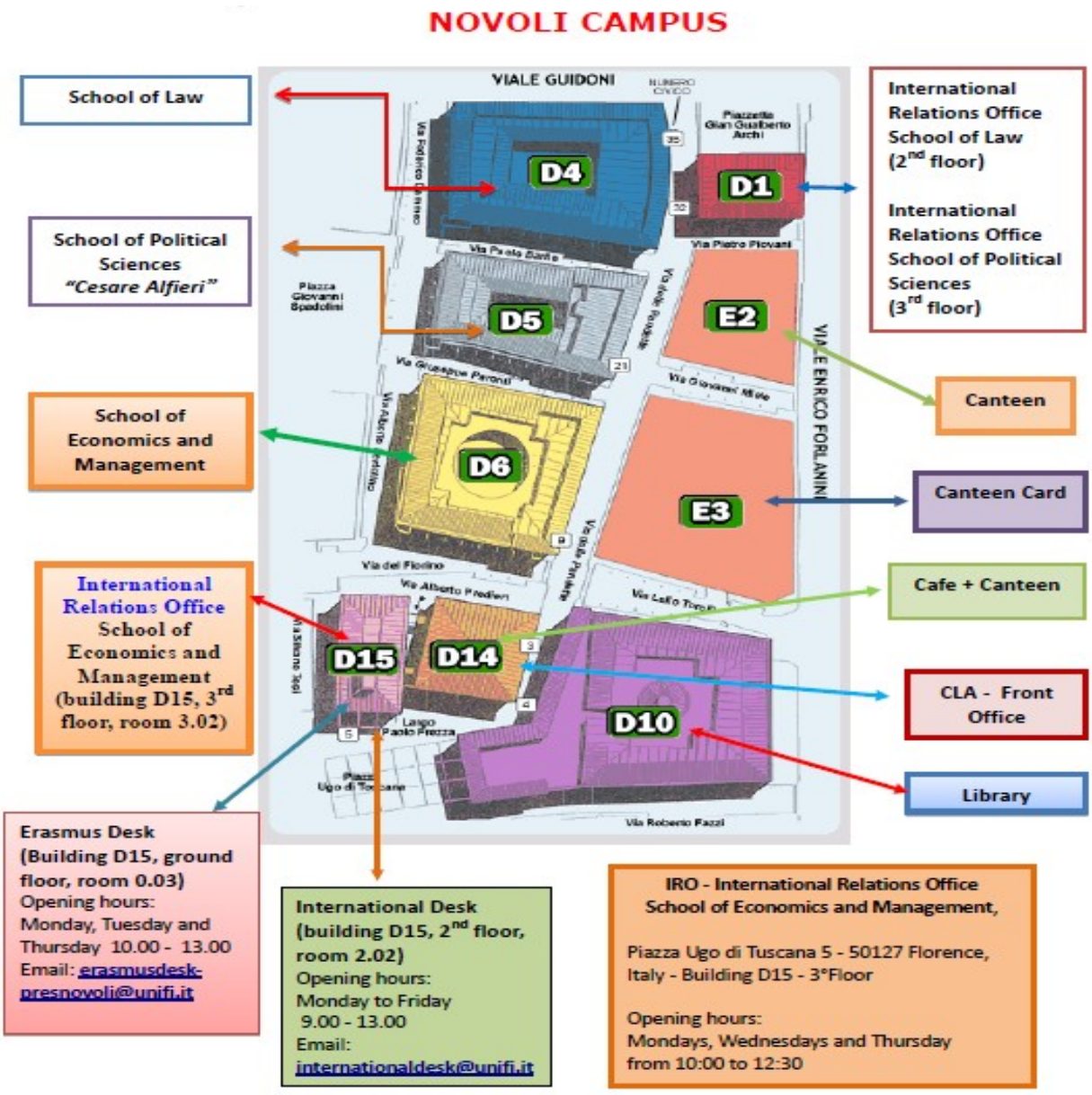
D6: Classrooms and Department of Economics and Management (second and third floor) - Front office D6: 055-2759749

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 easy 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.

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

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

© University of Florence

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.

Living Costs in Florence	
ENTERTAINMENT	
Basic dinner out for two in a pub	€40
Ticket to the movies	€9,50
Ticket to the theatre (best available seats)	€36
Dinner for two at an Italian restaurant (appetisers, main course, wine and dessert)	€69
1 cocktail drink in downtown club	€10-12
Cappuccino	€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.toscana.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. Donato Romano
Email: donato.romano@unifi.it
Phone: +39 055 2759585

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*)

- **via della Pergola, 60, 50121 Firenze**
- phone +39 055 275 9771 | 055 2759768
- e-mail: foreign.students@adm.unifi.it
- PEC: didattica@pec.unifi.it
- From Monday to Friday: 9.00 – 13.00.