

MSc in Economics and Development

Curriculum in Economics, track in Economics

First year

Mandatory Courses¹	Ects	Semester	Instructor(s) ²	Sector	Course code
Game Theory and Microeconomics ³	9	1	Domenico Menicucci	Secs-s/06	B030704
Mathematics for Economics ⁴	9	1	Antonio Villanacci	Secs-s/06	B020834
Statistical Inference	6	1	Alberto Cassese	Secs-s/01	B020835
Advanced Macroeconomics ^{4,5}	9	2	Corrado Di Guilmi	Secs-p/01	B030703
Advanced Microeconomics ³	6	2	Annalisa Luporini	Secs-p/01	B030705
Corporate Governance and Financial Markets	6+6	2	Sara De Masi , TBA	Secs-p/08, Secs-p/11	B035334

Choose one course from:	Ects	Semester	Instructor(s)	Sector	Course code
Economic Law	6	1	Filippo Zatti	Ius/05	B026830
International Law	6	1	Antonio Bultrini	Ius/13	B020837

Second year

Mandatory Course	Ects	Semester	Instructor(s)	Sector	Course code
Political Economy ⁵	6	1	Alessandro Gioffré	Secs-p/01	B030706

Choose two courses from:	Ects	Semester	Instructor(s)	Sector	Course code
Games and Behaviour	6	1	Leonardo Boncinelli	Secs-p/02	B036116
Macroeconometrics	6	1	Gabriele Fiorentini	Secs-p/05	B031233
Microeconometrics	6	1	Alessandro Palandri	Secs-p/05	B016456

Choose one course from:	Ects	Semester	Instructor(s)	Sector	Course code
International Trade	6	1	Giorgia Giovannetti	Secs-p/01	B026829
Labour Economics and Gender	6	1	Gianna Giannelli	Secs-p/02	B031232
Regulation and digital markets	6	1	Lapo Filistrucchi	Secs-p/03	B033611
Behavioural Economics	6	2	Chiara Rapallini	Secs-p/03	B026401
Coding for Economists	6	2	Domenico Colucci	Secs-s/06	B035336
Computational Economics	6	2	Giorgio Ricchiuti	Secs-p/02	B028630

Choose courses for 6 Ects from	Ects	Semester	Instructor(s)	Course code
R Lab	3	1	Alberto Cassese	B034473
Statistics Lab	3	1	Alberto Cassese	B033633
Econometrics Lab	6	2	Alessandro Palandri	B030722
Economics Lab	6	2	Lapo Filistrucchi	B030723
Stata Lab	3	2	TBA	B034474
Mathematics Laboratory	6		Antonio Villanacci	B030714

¹ In a few cases, passing the exam of a course A is propaedeutic to passing the exam of a course B because the content of course A is helpful to understand the content of course B. If a student passes the exam of course B before passing the exam of course A, then the former exam will not appear in the student's career as passed until the student will have passed the latter exam. That may be important if the student needs to earn Ects for the purpose of a scholarship, for instance.

² Clicking on the instructor's name leads to the instructor's webpage at University of Firenze. Clicking on "Insegnamenti" on such page leads to the page of the courses given by the instructor.

³ Passing the exam of Game Theory and Microeconomics is propaedeutic to passing the exam of Advanced Microeconomics. In terms of footnote 1, Game Theory and Microeconomics is course A, Advanced Microeconomics is course B.

⁴ Passing the exam of Mathematics for Economics is propaedeutic to passing the exam of Advanced Macroeconomics.

⁵ Passing the exam of Advanced Macroeconomics is propaedeutic to passing the exam of Political Economy.

Choose optional courses and/or internship (tirocinio) for at least 12 Ects. For instance⁶	Ects	Semester	Instructor(s)	Sector	Course code
Computational Finance*	6	1	Lucio Geronazzo	Secs-s/06	B019215
Demography and Global Politics	6	1	Gustavo De Santis	Secs-s/04	B026819
Economic History of Globalisation	6	1	Francesco Ammannati , Valerio Cerretano	Secs-p/12	B019470
Economic Law	6	1	Filippo Zatti	Ius/05	B026830
Elements of Policy Evaluation Methods	6	1	TBA	Secs-s/01	B030596
Energy and Environmental Economics**	6	1	Rossella Bardazzi , Maria Grazia Paziienza	Secs-p/02	B032669
Energy, Environment and European Security	9	1	Rossella Bardazzi , Maria Grazia Paziienza , Alberto Tonini	Secs-p/02	B018922
Environmental Economics and Policy**	6	1	Stefano Clò	Secs-p/02	B033542
Fundamentals of Machine Learning***	6	1	Bagdanov Andrew David	Ing-Inf/05	B031360
Games and Behaviour	6	1	Leonardo Boncinelli	Secs-p/02	B036116
Health and Education Economics	6	1	Lisa Grazzini	Secs-p/03	B030721
International Law	6	1	Antonio Bultrini	Ius/13	B020837
International Trade	6	1	Giorgia Giovannetti	Secs-p/01	B026829
Labour Economics and Gender	6	1	Gianna Giannelli	Secs-p/02	B031232
Macroeconometrics	6	1	Gabriele Fiorentini	Secs-p/05	B031233
Microeconometrics	6	1	Alessandro Palandri	Secs-p/05	B016456
Policy Evaluation Methods	9	1	TBA	Secs-s/01	B029751
Quantitative Finance and Derivatives	9	1	Maria Elvira Mancino	Secs-s/06	B019184
Regulation and digital markets	6	1	Lapo Filistrucchi	Secs-p/03	B033611
R Lab	3	1	Alberto Cassese		B034473
Statistics Lab	3	1	Alberto Cassese		B033633
Behavioural Economics	6	2	Chiara Rapallini	Secs-p/03	B026401
Coding for Economists	6	2	Domenico Colucci	Secs-s/06	B035336
Computational Economics	6	2	Giorgio Ricchiuti	Secs-p/02	B028630
Econometrics Lab	6	2	Alessandro Palandri		B030722
Economic Demography	6	2	Gustavo De Santis	Secs-s/04	B024216
Economics Lab	6	2	Lapo Filistrucchi		B030723
Economics of Innovation	6	2	Annalisa Caloffi	Secs-p/06	B033608
History of Economic Thought	6	2	Antonio Magliulo	Secs-p/04	B020838
Quantitative Risk Management*	6	2	Giacomo Toscano	Secs-s/06	B019125
Stata Lab	3	2	TBA		B034474
Statistical Analysis of Network Data	6	2	Maria Francesca Marino	Secs-s/01	B031115
Statistical Learning for Data Science***	6	2	Anna Gottard	Secs-s/01	B032456
Statistical Information Systems: Big Data, Open Data and Semantic Web	6	2	Cristina Martelli	Secs-s/03	B025419
Mathematics Laboratory	6		Antonio Villanacci		B030714
Tirocinio	3				B033547
Tirocinio	6				B004980
Tirocinio Magistrale	9				B005677
Tirocinio	12				B033539

Final Exam (Dissertation)	21 Ects
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⁶ The courses to be inserted here can be any courses offered by the University of Firenze, provided the course content is consistent with the topics of the MSc Economics and Development. The courses in the list below are instances of courses which satisfy this condition.

* The courses Computational Finance and Quantitative Risk Management are useful for students interested in acquiring a specialization in finance.

** The courses Energy and Environmental Economics and Environmental Economics and Policy are useful for students interested in acquiring a specialization in environmental economics and energy economics.

*** The courses Fundamentals of Machine Learning and Statistical Learning for Data Science are useful for students interested in statistics for machine learning.