

Erasmus+ Partner MATHEMATICS 2022/2023

PRESENTATION OF THE ERASMUS+ PARTNERS



UNIVERSITÀ
di **VERONA**



Studying abroad Studiare all'estero

PRESENTATION OF THE ERASMUS+ PARTNERS



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di **VERONA**

Some motivations for studying abroad

- See the world
- Experience different styles of education
- Take in a new culture
- Improve your language skills
- Boost career opportunities
- Find new interests
- Make lifelong friends
- Personal development
- Admission to Ph.D. programs
- Life experience

... just imagine your personal motivation...

Alcune motivazioni per un'esperienza di studio all'estero

- Vedere il mondo
- Sperimentare diversi stili di istruzione
- Conoscere nuove culture
- Migliorare le proprie abilità linguistiche
- Maggiori opportunità di carriera
- Trovare nuovi interessi
- Farsi nuovi amici per la vita
- Sviluppo personale
- Ammissione al dottorato
- Esperienze di vita

... provate ad immaginare la vostra personale motivazione...

Studying Mathematics abroad with the University of Verona

ERASMUS+
for study

ERASMUS+
for traineeship

Student International Mobility
at the University of Verona

Worldwide
study

Short Term
Mobility

UniVerona
Cooperation

PRESENTATION OF THE ERASMUS+ PARTNERS



UNIVERSITÀ
di **VERONA**

Studiare Matematica all'estero con l'Università di Verona

ERASMUS+
per studio

ERASMUS+
per tirocinio

Mobilità Studentesca Internazionale
presso l'Università di Verona

Worldwide
study

Short Term
Mobility

UniVerona
Cooperation

PRESENTATION OF THE ERASMUS+ PARTNERS



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Studying Mathematics abroad with the University of Verona

- Detailed information on each program, in English and in Italian, can be found at the [webpages](#) of the International Relations Office.
- The International Relations Office organizes during the year specific info days concerning the announcements of the various programs.
- For more information, visit [this page](#).

Studiare Matematica all'estero con l'Università di Verona

- Informazioni dettagliate su ciascun programma, sia in italiano che in inglese, possono essere reperite sulla [pagina](#) dell'U.O. Mobilità Internazionale.
- L'U.O. Mobilità Internazionale organizza durante l'anno giornate informative specifiche sui bandi dei vari programmi.
- Per maggiori informazioni, si visiti [questa pagina](#).

An informed choice for a brighter future

ERASMUS+ partner Universities presentation

- Features of the partner
- Scientific activities
- Opportunities

Want to know more?

The corresponding UniVR faculty coordinator for the partner university will help you make your choices.

Live and study abroad

- [Outgoing Student Guide](#)
- Shared experience of former students
- Alumni placement

Want to know more?

Contact our former and current ERASMUS+ students.
Contacts are available at the Student Representatives Office.

Una scelta informata e consapevole

Presentazione Università partner ERASMUS+

- Caratteristiche della sede
- Attività scientifiche
- Opportunità

Serve altro?

Il docente UniVR coordinatore della sede vi aiuterà nella scelta.

Vivere e studiare all'estero

- [Outgoing Student Guide](#)
- Esperienza vissuta da precedenti studenti e studentesse
- Alumni placement

Serve altro?

Contattate i nostri attuali e passati studenti e studentesse ERASMUS+. Trovate alcuni contatti presso i Rappresentanti degli studenti.

Placement: Verso il domani / Towards the future



Job Placement

Alumni Mathematics:

No limits!

[Click here](#) for a message

of Mr. Matteo Frigo (Alumni Math UniVR).



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PRESENTATION OF THE ERASMUS+ PARTNERS

ERASMUS+ Partners

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UNIVERSITÀ
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Partner Universities

L 35 – Matematica applicata

L 35 – Applied Mathematics

Leopold-Franzens-Universität Innsbruck (Caliari)
Universiteit Antwerpen (Schuster)
Technische Universität Darmstadt (Schuster)
Technische Universität Darmstadt (Caliari)
Ludwig-Maximilians Universität München (Di Persio)
Universität Siegen (Schuster)
Universität Stüttgart (Mantese)
Bergische Universität Wuppertal (Di Persio)
Universitat Autònoma de Barcelona (Orlandi)
Universidad de Murcia (Mantese)
Université de Besançon (Schuster)
Université de Bourgogne (Schuster)
Université Grenoble Alpes (UGA) (Orlandi)
Université Sorbonne Paris (Orlandi)
University of Ljubljana (Schuster)
University of Nottingham (Schuster)



Partner Universities

LM 40 – Mathematics

Universität Innsbruck (Caliari)
Universiteit Antwerpen (Schuster)
Universiteit Gent (Schuster)
Sofia University (Marigonda)
Universität Bielefeld (Di Persio)
Technische Universität Darmstadt (Schuster)
Technische Universität Darmstadt (Caliari)
LMU München (Di Persio)
Universität Siegen (Schuster)
Universität Stüttgart (Mantese)
Bergische Universität Wuppertal (Di Persio)
Universitat Autònoma de Barcelona (Orlandi)
Universidad de Murcia (Mantese)
Université de Bourgogne (Sansonetto)

Université de Besançon (Schuster)
Université de Bourgogne (Schuster)
ECE Paris (Dai Pra)
ENSIIE Évry (Di Persio)
UAB Barcelona (Orlandi)
Institute Polytechnique de Grenoble (Orlandi)
Université Grenoble Alpes (UGA) (Orlandi)
Université de Nice - Sophia Antipolis (Orlandi)
Université de Paris Sorbonne (Orlandi)
Université de Bourgogne (Schuster)
ELTE Budapest (Mazzuoccolo)
University of Oslo (Di Persio)
Wrocław University of Technology (Orlandi)
University of Ljubljana (Schuster)



Scientific Computing Numerical Analysis

Innsbruck (Caliari)
Darmstadt (Caliari)
Nice - Sophia Antipolis (Orlandi)
Wrocław (Orlandi)

Algebra Discrete Mathematics

Bourgogne (Schuster)
Siegen (Schuster)
Stuttgart (Mantese)
Murcia (Mantese)
ELTE Budapest (Mazzuoccolo)
Nottingham (Schuster)
Antwerpen (Schuster)

Optimal Control Optimization

Sofia (Marigonda)
Darmstadt (Caliari)
UBO Brest (Marigonda)
UGA Grenoble (Orlandi)

Financial Mathematics

Sofia (Marigonda)
LMU München (Di Persio)
Wuppertal (Di Persio)
ENSIIE Évry (Di Persio)
Oslo (Di Persio)

General

Bielefeld (Di Persio)
LMU München (Di Persio)
UAB Barcelona (Orlandi)
Paris Sorbonne (Orlandi)
Oslo (Di Persio)
Ljubljana (Schuster)
Bourgogne (Sansonetto)

Data Science, Modeling Simulation, ECMI Partners

Sofia (Marigonda)
Darmstadt (Caliari)
ECE Paris (Dai Pra)
ENSIIE Évry (Di Persio)
Polytech. Grenoble (Orlandi)
UGA Grenoble (Orlandi)
Nice - Sophia Antipolis (Orlandi)
ELTE Budapest (Mazzuoccolo)
Oslo (Di Persio)
Wrocław (Orlandi)



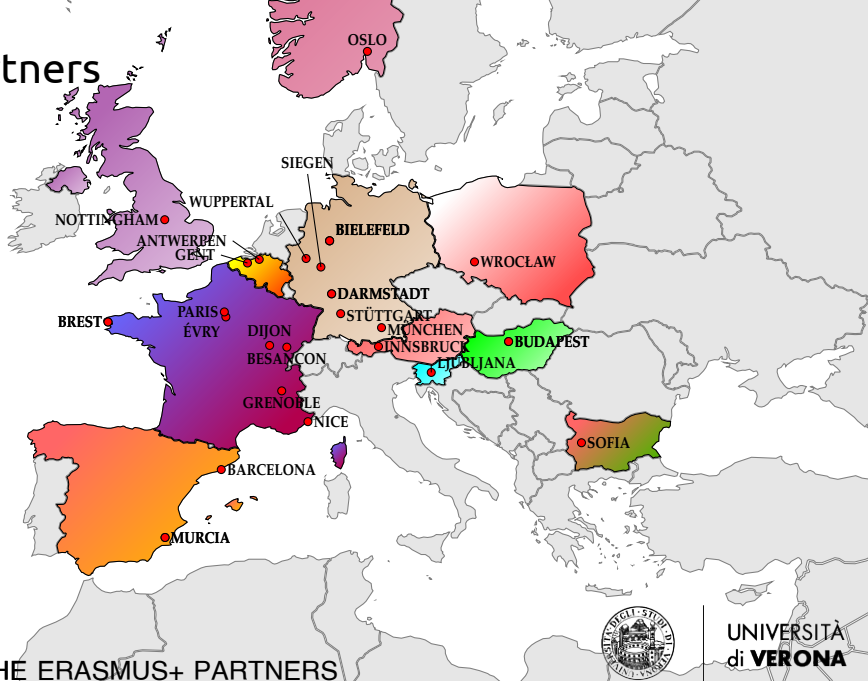
Logic and Foundations of Math

Gent (Schuster)
Darmstadt (Schuster)
Besançon (Schuster)
Ljubljana (Schuster)



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ERASMUS+ Partners



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UNIVERSITÀ
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Sofia University St. Kliment Ohridski

(Marigonda Antonio)

Sofia

Bulgaria



Sofia University St. Kliment Ohridski

(Marigonda Antonio)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	○ ○ ○ ○ ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Mathematical models in biology and life sciences, Optimal control and Optimization, Dynamical Systems, Game Theory, Financial Mathematics, Logic and algorithms

Note ed informazioni aggiuntive / Remarks and additional info

Gli studenti interessati sono caldamente consigliati di parlare con il coordinatore. Si consiglia di provvedere al proprio alloggio con ampio anticipo. The interested students are warmly invited to contact the coordinator. We recommend to book the accommodation in advance.

Altre risorse / Further resources

Click here to see the video presentation: [Manuel Donadoni](#), [Antonio Marigonda](#)



UNIVERSITÀ
di **VERONA**



Université de Bretagne Occidentale

(Marigonda Antonio)

Brest
France



UNIVERSITÀ
di **VERONA**

Università de Bretagne Occidentale

(Marigonda Antonio)

Attività consigliate nella sede

Suggested activities

Frequenza corsi di base	● ○ ○ ○ ○
Attending basic courses	
Frequenza corsi avanzati	● ● ● ● ●
Attending advanced courses	
Attività di laboratorio	○ ○ ○ ○ ○
Laboratory activities	
Stesura tesi di laurea	● ● ● ● ●
Degree Thesis	
Tirocini o stages	○ ○ ○ ○ ○
Internships or Stages	

Ambiti scientifici suggeriti / Suggested scientific arguments

Game Theory, Differential Game Theory, Optimal Control, Variational Analysis, Optimization.

Note ed informazioni aggiuntive / Remarks and additional info

The experience at UBO is particularly recommended for master degree thesis and final projects on the broad field of mathematical optimization.

Altre risorse / Further resources

Click here to see the video presentation: [Antonio Marigonda](#)



UNIVERSITÀ
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Universitat Autònoma de Barcelona (UAB)

(Orlandi Giandomenico)

Barcelona

Spain



Universitat Autònoma de Barcelona (UAB)

(Orlandi Giandomenico)

Attività consigliate nella sede

Suggested activities

Frequenza corsi di base
Attending basic courses

• • • • •

Frequenza corsi avanzati
Attending advanced courses

• • • • •

Attività di laboratorio
Laboratory activities

• • • • •

Stesura tesi di laurea
Degree Thesis

• • • • •

Tirocini o stages
Internships or Stages

• • • • •

Ambiti scientifici suggeriti / Suggested scientific arguments

Mathematical Methods for Life Sciences, Discrete Mathematics, Combinatorics, Algebra, Ordinary Differential Equations and Dynamical Systems, Partial Differential Equations, Mathematical Physics, Numerical Analysis, Calculus of Variations, Optimization, Variational Analysis.

Note ed informazioni aggiuntive / Remarks and additional info

This partner offers, besides a really broad choice of valuable educational paths, concrete possibilities of internships in industrial, medical and scientific laboratories, and final project opportunities in connection with the nearby CRM Centre de Recerca Matemàtica. The foreign student office is really very efficient in taking care of incoming students!



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Institute Polytechnique de Grenoble

(Orlandi Giandomenico)

Grenoble

France



Institute Polytechnique de Grenoble

(Orlandi Giandomenico)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	○ ○ ○ ○ ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	● ● ● ● ●
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	● ● ● ● ●

Ambiti scientifici suggeriti / Suggested scientific arguments

Discrete Mathematics, Combinatorics, Partial Differential Equations, Numerical Analysis, Mathematical Methods for Computer Sciences, Operation Research, Mathematical Programming.

Note ed informazioni aggiuntive / Remarks and additional info

This partner runs an international program totally taught in english with strong educational paths concerning: Modeling and Scientific Computing, Geometry, Image, CAD, Statistics, Data Science and a lot of internship/final project possibilities. International relation office is very efficient in assisting foreign students.

Altre risorse / Further resources

[Webpage of the International program in English](#). Click here to see the video presentation: [Fabio Cassini](#).



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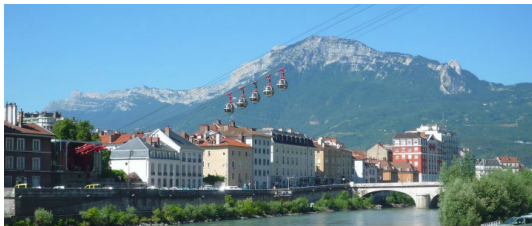


Université Grenoble Alpes (UGA)

(Orlandi Giandomenico)

Grenoble

France



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Università Grenoble Alpes (UGA)

(Orlandi Giandomenico)

Attività consigliate nella sede

Suggested activities

Frequenza corsi di base
Attending basic courses

• • • • •

Frequenza corsi avanzati
Attending advanced courses

• • • • •

Attività di laboratorio
Laboratory activities

• • • • •

Stesura tesi di laurea
Degree Thesis

• • • • •

Tirocini o stages
Internships or Stages

• • • • •

Ambiti scientifici suggeriti / Suggested scientific arguments

Numerical modelling of industrial problem, statistical signal and image analysis, machine learning, data science, applied optimization, numerical analysis of partial differential equations, mathematical physics, theoretical physics, operations research, discrete and combinatorial optimization, mathematics for teaching, cryptography and cybersecurity.

Altre risorse / Further resources

[Web page of the course offer](#)



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Université Côte d'Azur

(Orlandi Giandomenico)

Nice

France



Attività consigliate nella sede

Suggested activities

Frequenza corsi di base
Attending basic courses

• • • • •

Frequenza corsi avanzati
Attending advanced courses

• • • • •

Attività di laboratorio
Laboratory activities

○ ○ ○ ○ ○

Stesura tesi di laurea
Degree Thesis

• • • • •

Tirocini o stages
Internships or Stages

• • • • •

Ambiti scientifici suggeriti / Suggested scientific arguments

Scientific Computing, Functional Analysis, Ordinary Differential Equations and Dynamical Systems, Partial Differential Equations, Mathematical Physics, Probability, Numerical Analysis, Mathematical Methods for Life Sciences, Calculus of Variations, Optimization, Variational Analysis.

Note ed informazioni aggiuntive / Remarks and additional info

This partner offers a wide choice of educational paths compatible with our bachelor and master degree in mathematics, and also internship and final project possibilities.

Altre risorse / Further resources

Click here to see the video presentation: [Matteo Frigo](#)





Paris Sorbonne

(Orlandi Giandomenico)

Paris

France



Paris Sorbonne

(Orlandi Giandomenico)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	● ● ● ● ●

Ambiti scientifici suggeriti / Suggested scientific arguments

Functional Analysis, Ordinary Differential Equations and Dynamical Systems, Partial Differential Equations, Mathematical Physics, Probability, Numerical Analysis, Mathematical Methods for Economics and Finance, Mathematical Methods for Life Science, Operation Research, Mathematical Programming, Calculus of Variations, Optimization, Variational Analysis, Mathematical Finance, Stochastic Processes.

Note ed informazioni aggiuntive / Remarks and additional info

This partner is world top ranked for applied mathematics, with a lot of opportunities of excellent educational paths and valuable internships and final projects, particularly in scientific computing, numerical modeling and analysis of PDE, mathematical biology, etc. A level in French language is required for attending courses, while for internships and final projects English is sufficient.

Altre risorse / Further resources

Click here to see the video presentation: [Alessandro Contu](#)



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Wroclaw University of Technology

(Orlandi Giandomenico)

Wrocław

Poland



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Wroclaw University of Technology

(Orlandi Giandomenico)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	• • • • •
Frequenza corsi avanzati Attending advanced courses	• • • • •
Attività di laboratorio Laboratory activities	• • • • •
Stesura tesi di laurea Degree Thesis	• • • • •
Tirocini o stages Internships or Stages	• • • • •

Ambiti scientifici suggeriti / Suggested scientific arguments

Modeling and Simulation, Numerical Analysis, functional analysis, operations research, differential geometry, financial and insurance mathematics, noncommutative probability, probability theory and stochastic processes, differential and integral equations, mathematical statistics, ergodic theory, game theory, dynamical systems, and applications of mathematics in physics, economics and industry.

Note ed informazioni aggiuntive / Remarks and additional info

ECMI Partner within one of the largest industrial area of Poland.



Université de Bourgogne

(Sansonetto Nicola)

Dijon

France



Université de Bourgogne

(Sansonetto Nicola)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	• • • • •
Frequenza corsi avanzati Attending advanced courses	• • • • •
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	• • • • •
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Geometric methods, mathematical physics, integrable systems.

Note ed informazioni aggiuntive / Remarks and additional info

Doppio titolo prevede il secondo anno interamente nella sede ospite, tesi con doppio relatore. Double degree, second year spent abroad, thesis in co-tutorship.

Altre risorse / Further resources

web site of the course: [master-math4phys](#)



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Leopold-Franzens-Universität Innsbruck

(Caliari Marco)

Innsbruck

Austria



Attività consigliate nella sede

Suggested activities

Frequenza corsi di base	● ● ● ● ●
Attending basic courses	
Frequenza corsi avanzati	● ● ● ● ●
Attending advanced courses	
Attività di laboratorio	● ● ● ● ●
Laboratory activities	
Stesura tesi di laurea	● ● ● ● ●
Degree Thesis	
Tirocini o stages	● ● ● ● ●
Internships or Stages	

Ambiti scientifici suggeriti / Suggested scientific arguments

Metodi numerici per la risoluzione di equazioni differenziali. Numerical solution of differential equations.

Note ed informazioni aggiuntive / Remarks and additional info

La lingua adottata al master in matematica è, su richiesta, l'inglese. Medium of instruction in the Master Degree in Mathematics is English, on request.

Altre risorse / Further resources

Click here to see the video presentation: [Chiara Segala](#), [Marco Caliari](#)





Universität Stuttgart

(Mantese Francesca)

Stuttgart

Germany



Attività consigliate nella sede

Suggested activities

Frequenza corsi di base	● ● ● ● ○
Attending basic courses	
Frequenza corsi avanzati	● ● ● ● ●
Attending advanced courses	
Attività di laboratorio	○ ○ ○ ○ ○
Laboratory activities	
Stesura tesi di laurea	● ● ● ● ●
Degree Thesis	
Tirocini o stages	○ ○ ○ ○ ○
Internships or Stages	

Ambiti scientifici suggeriti / Suggested scientific arguments

Algebra, Geometry and Topology, Mathematical Physics, Numerical Analysis

Note ed informazioni aggiuntive / Remarks and additional info

Algebra and representation theory is one of the main research field of the math. department. Advanced courses in representation theory, homological algebra, categorical structures are offered.

Altre risorse / Further resources

Click here to see the video presentation: [Francesca Mantese](#).





Universidad de Murcia

(Mantese Francesca)

Murcia

Spain



Attività consigliate nella sede

Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ● ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Algebra, Functional Analysis, Geometry and Topology

Note ed informazioni aggiuntive / Remarks and additional info

This partner offers a wide variety of advanced courses in algebra, applied algebra (coding theory and cryptography), and also in foundations and teaching of mathematics.

Altre risorse / Further resources

Click here to see the video presentation: [Giulia Spanevello](#), [Elena Lonardi](#), [Marco Caoduro](#), [Francesca Mantese](#)





University of Antwerpen

(Schuster Peter)

Antwerpen

Belgium



University of Antwerpen

(Schuster Peter)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ○ ○ ○ ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Algebra, especially quadratic forms, and Foundations of Mathematics

Note ed informazioni aggiuntive / Remarks and additional info

Antwerpen University is one of the major universities in Belgium. Good knowledge of English is recommended.



Universiteit Gent

(Schuster Peter)

Gent

Belgium



Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ○ ○ ○ ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Mathematical Logic and Foundation of Mathematics

Note ed informazioni aggiuntive / Remarks and additional info

Ghent University is a top 100 university and one of the major universities in Belgium.
Good knowledge of English is recommended.



Technische Universität Darmstadt

(Schuster Peter)

Darmstadt

Germany



Attività consigliate nella sede

Suggested activities

Frequenza corsi di base
Attending basic courses

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Frequenza corsi avanzati
Attending advanced courses

• • • • •

Attività di laboratorio
Laboratory activities

○ ○ ○ ○ ○

Stesura tesi di laurea
Degree Thesis

• • • • •

Tirocini o stages
Internships or Stages

○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Mathematical Logic and Foundation of Mathematics

Note ed informazioni aggiuntive / Remarks and additional info

TU Darmstadt is one of Germany's most renowned technical universities having top rankings in terms of research and education. The high quality of its studies accounts for the outstanding position TU Darmstadt has as a worldwide recognized university both in science and industry. Proving an autonomous and independent status, TU Darmstadt stands for scientific freedom and diversity.



Universität Siegen

(Schuster Peter)

Siegen

Germany



Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ● ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	● ● ● ● ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	● ● ● ● ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Algebra, especially computational homological algebra, number theory and applications, geometry, applied analysis and numerical analysis, probability theory, mathematical logic.

Note ed informazioni aggiuntive / Remarks and additional info

The University of Siegen is a young, modern institute of higher education located centrally in the area bordering the three German federal states of Hesse, North Rhine-Westphalia and Rhineland-Palatine.





Université de Franche-Comté Besançon (Montbéliard)

(Schuster Peter)

Besançon

France



Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Mathematical Logic and Foundation of Mathematics, Functional Analysis, History and Philosophy of Mathematics.

Note ed informazioni aggiuntive / Remarks and additional info

L'Université de Franche-Comté (UFC) est une université pluridisciplinaire, à taille humaine, implantée dans 5 villes de la région : Besançon, Belfort, Montbéliard, Vesoul et Lons le-Saunier.



Université de Bourgogne

(Schuster Peter)

Dijon

France



Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Algebra and categories.



Univerza v Ljubljani

(Schuster Peter)

Ljubljana
Slovenia



Attività consigliate nella sede

Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ● ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	● ● ● ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	● ● ● ● ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Algebra, Discrete mathematics, Mathematical logic, Financial mathematics, Functional analysis, Geometry, Geometric topology, Complex analysis, Cryptography and coding theory, , Mathematical physics, Numerical analysis, Mathematics and theoretical computing, Computer mathematics, Graph theory and algorithms, Operator theory, Topology, Probability and statistics.

Note ed informazioni aggiuntive / Remarks and additional info

University of Ljubljana is the oldest and largest higher education and scientific research institution in Slovenia. University with its rich tradition was founded in 1919. It has more than 40.000 undergraduate and postgraduate students and employs approximately 5.600 higher education teachers, researchers, assistants and administrative staff in 23 faculties and three arts academies. The central building, all three academies and faculties are located in the centre. Some of the most recent and modern buildings were constructed on the outskirts of Ljubljana, giving the university and its students a ubiquitous presence in the city.





The University of Nottingham

(Schuster Peter)

Nottingham

UK



The University of Nottingham

(Schuster Peter)

Attività consigliate nella sede

Suggested activities

Frequenza corsi di base Attending basic courses	● ○ ○ ○ ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	○ ○ ○ ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Algebra, coding theory

Note ed informazioni aggiuntive / Remarks and additional info

Ranked in the top 75 universities worldwide by the QS World University Rankings 2016/17, the University of Nottingham is internationally recognised as a world-class institution, producing graduates with a global perspective.



Eötvös Loránd University Budapest (ELTE)

(Mazzuoccolo Giuseppe)

Budapest

Hungary



Eötvös Loránd University Budapest (ELTE)

(Mazzuoccolo Giuseppe)

Attività consigliate nella sede

Suggested activities

Frequenza corsi di base
Attending basic courses

• • • • •

Frequenza corsi avanzati
Attending advanced courses

• • • • •

Attività di laboratorio
Laboratory activities

○ ○ ○ ○ ○

Stesura tesi di laurea
Degree Thesis

• • • • •

Tirocini o stages
Internships or Stages

○ ○ ○ ○ ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Discrete Mathematics, Graph Theory, Design Theory and Finite Geometry, Combinatorics, Algebra, Algebraic Geometry, Geometry and Topology, Probability, Mathematical Methods for Computer Science, Operational Research, Mathematical Programming.

Note ed informazioni aggiuntive / Remarks and additional info

Eotvos Lorand University Budapest (ELTE) is traditionally very strong in mathematics, in particular discrete mathematics, world-famous alumni, among them Paul Erdos and Laszlo Lovasz. There is a bachelor and a master course in mathematics fully taught in English, covering many different areas of mathematics, with possible specialization in a large number of subjects. Other master level courses may be taught in English on request. Top place for discrete math and methods for computer science.

Altre risorse / Further resources

Click here to see the video presentation: [Giuseppe Mazzuoccolo and Davide Mattiolo](#).



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di **VERONA**



ECE Paris Lyon, School of Engineering

(Dai Pra Paolo)

Paris

France



ECE Paris Lyon, School of Engineering

(Dai Pra Paolo)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ○ ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ○
Attività di laboratorio Laboratory activities	● ● ● ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ○
Tirocini o stages Internships or Stages	● ● ● ● ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Financial Engineering, Statistical and numerical methods for Data Analysis.

Note ed informazioni aggiuntive / Remarks and additional info

ECE Paris is one of the main French Engineering Schools. Please contact Paolo Dai Pra for more detailed informations.



Universität Bielefeld

(Di Persio Luca)

Bielefeld
Germany



Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ● ●
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ●
Attività di laboratorio Laboratory activities	● ● ● ● ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ●
Tirocini o stages Internships or Stages	● ● ● ● ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Discrete Mathematics, Combinatorics, Functional Analysis, Ordinary Differential Equations and Dynamical Systems, Partial Differential Equations, Mathematical Physics, Probability, Calculus of Variations, Optimization, Variational Analysis, Interacting particle systems, Disordered Systems, Random graph theory

Note ed informazioni aggiuntive / Remarks and additional info

The Faculty of Mathematics was established in 1969 along with the foundation of Bielefeld University. Currently, the faculty employs about 70 scientific members covering wide variety of topics in research and teaching. Interested students are warmly invited to contact Prof. Luca Di Persio in order to clarify doubts, ask for further informations concerning the Bielefeld Faculty of Mathematics, build a tailored study path in Bielefeld, ask details concerning how to develop a joint Master Degree thesis, etc.





Ludwig-Maximilians Universität München

(Di Persio Luca)

München

Germany



Ludwig-Maximilians Universität München

(Di Persio Luca)

Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	• • • • •
Frequenza corsi avanzati Attending advanced courses	• • • • •
Attività di laboratorio Laboratory activities	• • • • •
Stesura tesi di laurea Degree Thesis	• • • • •
Tirocini o stages Internships or Stages	• • • • •

Ambiti scientifici suggeriti / Suggested scientific arguments

Mathematical Logic and Foundations of Mathematics, Discrete Mathematics, Combinatorics, Algebra, Functional Analysis, Ordinary Differential Equations and Dynamical Systems, Partial Differential Equations, Complex Analysis, Geometry and Topology, Probability, Mathematical Methods for Economics and Finance, Mathematical Methods for Computer Science, Operation Research, Mathematical Programming, Calculus of Variations, Optimization, Variational Analysis, Mathematical Finance, Stochastic Processes.

Note ed informazioni aggiuntive / Remarks and additional info

The Department of Mathematics conducts research in many core fields of mathematics, which are also relevant to physics, information technology, and economics.



Bergische Universität Wuppertal

(Di Persio Luca)

Wuppertal

Germany



Bergische Universität Wuppertal

(Di Persio Luca)

Attività consigliate nella sede

Suggested activities

Frequenza corsi di base
Attending basic courses

● ● ● ● ○

Frequenza corsi avanzati
Attending advanced courses

● ● ● ● ○

Attività di laboratorio
Laboratory activities

● ● ● ● ○

Stesura tesi di laurea
Degree Thesis

● ● ● ● ○

Tirocini o stages
Internships or Stages

● ● ● ● ○

Ambiti scientifici suggeriti / Suggested scientific arguments

The main areas of research within the Mathematics Department of the Wuppertal University are: Research Groups Pure Mathematics (with specialisations in: Algebra and Number Theory, Analysis and Topology); Research Group Applied Mathematics (with emphasis in Numerical Analysis, Stochastics and Optimization).

Note ed informazioni aggiuntive / Remarks and additional info

Interested students are warmly invited to contact Prof. Luca Di Persio to ask for further informations, suggestions, etc., in order to build a tailored Erasmus path, also with the aim to develop a M.Sc. thesis jointly with one of the excellent professors of the Mathematics department in Wuppertal.



ENSIIE

(Di Persio Luca)

Évry

France



Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	● ● ● ○ ○
Frequenza corsi avanzati Attending advanced courses	● ● ● ● ○
Attività di laboratorio Laboratory activities	● ● ● ○ ○
Stesura tesi di laurea Degree Thesis	● ● ● ● ○
Tirocini o stages Internships or Stages	● ● ● ● ○

Ambiti scientifici suggeriti / Suggested scientific arguments

Financial Engineering, Statistical and numerical methods for Data Analysis.

Note ed informazioni aggiuntive / Remarks and additional info

The École nationale supérieure d'informatique pour l'industrie et l'entreprise is one of the top French public Grandes écoles in Industrial Mathematics and Computer Science. The research activity in the field of Mathematics is mainly focused on modeling, data analysis and simulation



University of Oslo

(Di Persio Luca)

Oslo

Norway



Attività consigliate nella sede Suggested activities

Frequenza corsi di base Attending basic courses	• • • • •
Frequenza corsi avanzati Attending advanced courses	• • • • •
Attività di laboratorio Laboratory activities	• • • • •
Stesura tesi di laurea Degree Thesis	• • • • •
Tirocini o stages Internships or Stages	• • • • •

Ambiti scientifici suggeriti / Suggested scientific arguments

Data Science, Mathematical Logic and Foundations of Mathematics, Discrete Mathematics, Combinatorics, Algebra, Functional Analysis, Ordinary Differential Equations and Dynamical Systems, Partial Differential Equations, Complex Analysis, Geometry and Topology, Mathematical Physics, Probability, Numerical Analysis, Mathematical Methods for Economics and Finance, Mathematical Methods for Computer Science, Mathematical Methods for Life Sciences, Operation Research, Mathematical Programming, Calculus of Variations, Optimization, Variational Analysis, Engineering Mathematics Modelling.



Il bando ERASMUS+ ERASMUS+ Call

PRESENTATION OF THE ERASMUS+ PARTNERS



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ERASMUS+

Erasmus+ is the EU's programme to support education, training, youth and sport in Europe. Its budget of EUR 14.7 billion will provide opportunities for over 4 million Europeans to study, train, and gain experience abroad.

Erasmus+ è il programma dell'UE a supporto dell'istruzione, della formazione, della gioventù e dello sport in Europa. Il suo budget di 14,7 miliardi di Euro fornisce l'opportunità per più di 4 milioni di Europei di studiare, formarsi e acquisire esperienza all'estero.



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Specific issues tackled by the programme include

Reducing unemployment,
especially among young people

Promoting adult learning,
especially for the new skills and the
skills required by the labour
market.

Encouraging young people to take
part in European democracy

Supporting innovation,
cooperation and reforms

Reducing early school leaving

Promoting cooperation and
mobility within the EU's partner
countries

Obiettivi specifici affrontati dal programma includono

Riduzione della disoccupazione
specialmente giovanile

Promuovere la formazione
permanente specialmente per le
nuove competenze e per le
competenze richieste dal mercato
del lavoro.

Incoraggiare i giovani europei a
prendere parte nella democrazia
europea

Supporto all'innovazione, alla
cooperazione e alle riforme

Riduzione dell'abbandono
scolastico

Promozione della cooperazione e
della mobilità con i paesi partner
UE

The Road Map

1

Focus on the mathematical topics you prefer, by possibly asking advice from your **teachers**.

2

Read the scientific information on the partner Universities. Prepare an ordered list according to your preferences with **multiple choices**.

3

Read **carefully in full** the official ERASMUS+ agreement document with the partner universities. You can find them [here](#) (Area of Science and Engineering).

4

Speak with the coordinators as soon as possible, in particular in the case of wanting to do a thesis or internship. Do it **before applying** for the ERASMUS+ call.

Submitting the application

1 The ERASMUS+ call will open approx. late Feb / early March 2022, and will be published [here](#). The International Relations Office will organize some Information Days to illustrate the call. Find the time to **attend to these meetings**.

2 **Carefully** read the call, where the whole application procedure will be explained. Be aware that the **deadlines** and the requirements of the call admit **no exceptions**. Check carefully if you are **eligible to apply**.

3 The application must be presented through the ESSE3 system. Provide up to 6 ordered preferences for your destination: **discuss them in advance with the involved coordinators**.

4 Pay attention to the **language requirements** of the partner university, and be sure that the destination is **available** for your cycle of study (B.Sc./M.Sc.).

Application Assessment

The **Erasmus+ Selection Committee** for the 2022/2023 call is made up of the following:

- prof. Fabio Favati – *B.Sc. and M.Sc. of the Biotechnology Department.*
- prof. Giandomenico Orlandi & prof. Giacomo Albi – *B.Sc. in Applied Mathematics and M.Sc. in Mathematics.*
- prof. Alessandra Di Pierro – *The other courses of the Computer Science Department.*

Assessment criteria

- grade point average and total credits earned in relation to the year of enrollment,
- interview with the Selection Committee.

Application Assessment

- When possible, the Committee will take into account the preferences expressed by the applicant, but it is **not guaranteed**.
- **Missing the interview without a valid motivation and without informing the Committee will imply exclusion from the selection process and a penalty for future calls.**
- After the conclusion of the assessment process, some **events** will be organized by the International Relations Office with the selected students. Announcements will only be made to the selected students.

Presenting your Learning Agreement (L.A.)

The L.A. is the study plan containing the **planned activities** to be done at the partner University, e.g.,

- courses and exams;
- preparation of B.Sc. / M.Sc. Thesis;
- stage/internship at the host University.

and the **activities of the study plan at UniVR that will be replaced** by them.

The **deadline** for the presentation of the L.A. depends on the mobility period and on the partner University.

Be **smart and enterprising** and prove your **self-reliance** before departure.

After having prepared it **together with the coordinator**, the student must submit the L.A. through ESSE3. The L.A. is approved by the secretary and by the **Student Affairs Committee** of the Teaching Board in Mathematics, which **can ask for changes** if the L.A. is not coherent with Teaching Board policies.

We strongly advise acquiring **well before leaving** any logistic information related to **travel, meals, accommodation, local transfer, and any other requirements** of the partner university.

Recognition of the study period abroad

If an **internship is planned** during the ERASMUS+ study period, it is required to **activate it at the Internship Office** before the approval of the L.A.

In the L.A. a **perfect matching** is not required between each single pair of exams, but just a reasonable correspondence between the **total credits** earned abroad and the total credits replaced at UniVR.

It is **mandatory** to obtain at least 12 CFU per semester of international mobility, otherwise the ERASMUS+ scholarship must be **refunded**.

The L.A. can be changed **once** up to 30 days starting from the beginning of the mobility period to deal with **possible changes** in the **offer** of the partner University.

It is **not allowed to integrate** the activities made abroad with activities at UniVR.

Regulations (**in Italian only**)

- [School of Science and Engineering regulations.](#)

Miscellaneous remarks

The ERASMUS+ Scholarship is a contribution from the EU integrated by funds from the UniVR contributing to the living expenses abroad. The total amount varies slightly depending on the country of destination (**less than 700 EUR/month**). However, it is just a **partial contribution**, not intended to cover the expenses in full. Living expenses exceeding the Scholarship must be covered by the outgoing student.

Non-EU students: attach to the application a copy of your valid residency permit. Moreover, if you obtain an Erasmus grant, your **VISA and residency permit** must be renewed or **valid until the end of the mobility period**.

Writing your thesis abroad: it is important to **check with the coordinator** if the partner university offers this opportunity before submitting the application.

International Relations Office contacts are available [here](#).

Scienzeingegneria.univr.it: slide available at **Erasmus - Science Engineering**



«"O frati," dissi, "che per cento milia
perigli siete giunti a l'occidente,
a questa tanto picciola vigilia
d'i nostri sensi ch'è del rimanente
non vogliate negar l'esperienza,
di retro al sol, del mondo senza gente.

Considerate la vostra semenza:
fatti non foste a viver come bruti,
ma per seguir virtute e canoscenza".»

(Dante – Inferno XXVI, 112-120)

«And then I said: 'O brothers, ye who now
have through a hundred thousand perils
reached the West,

to this so short a waking-time still left your
senses, will not to refuse experience of that
world behind the sun which knows not man!

Bethink you of the seed whence ye have
sprung; for ye were not created to lead the
life of stupid animals, but manliness and
knowledge to pursue.'»

(Dante – Inferno XXVI, 112-120, transl.
Courtney Langdon)