International Experiences
MATHEMATICS & DATA SCIENCE
2023/2024
Outline

M.Sc. in Mathematics and B.Sc. in Applied Mathematics

M.Sc. in Data Science

Focus on upcoming Erasmus+ call
Studying abroad
Studiare all’estero
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

Student International Mobility at the University of Verona

Worldwide study

Short Term Mobility

ERASMUS+ for traineeship

UniVerona Cooperation

PRESENTATION OF THE ERASMUS+ PARTNERS
Studiare Matematica all’estero con l’Università di Verona

Mobilità Studentesca Internazionale presso l’Università di Verona

ERASMUS+ per studio

Worldwide study

Short Term Mobility

ERASMUS+ per tirocinio

UniVerona Cooperation
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

Live and study abroad
- Outgoing Student Guide
- Shared experience of former students
- Alumni placement

Want to know more?
The corresponding UniVR faculty coordinator for the partner university will help you make your choices.

Want to know more?
Contact our former and current ERASMUS+ students.
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+.
Job Placement

Alumni Mathematics: No limits!

Click here for a message of Dr. Matteo Frigo (Alumni Math UniVR).
PRESENTATION OF THE ERASMUS+ PARTNERS
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 Stuttgart (Mantese)
Bergische Universität Wuppertal (Di Persio)
Universitat Autónoma 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)
Universidad Loyola Andalucía (Orlandi)
Partner Universities
LM 40 – Mathematics & LM 91 – Data Science

Universität Innsbruck (Caliari)
NTNU Trondheim (Sansonetto)
Universiteit Antwerpen (Schuster)
Universiteit Gent (Schuster)
Sofia University (Marigonda)
Universität Bielefeld (Di Persio)
Technische Universität Darmstadt (Schuster)
Universität Stüttgart (Mantese)
ELTE Budapest (Mazzuoccolo)
Bergische Universität Wuppertal (Di Persio)
Universitat Autónoma de Barcelona (Orlandi)
Universidad de Murcia (Mantese)
Université de Bourgogne UBFC (Sansonetto)
Université de Franche-Comté (Schuster)
Université de Bourgogne (Schuster)
University of Ljubljana (Schuster)

UAB Barcelona (Orlandi)
Institute Polytechnique de Grenoble (Orlandi)
Université Grenoble Alpes (UGA) (Orlandi)
Université de Nice - Sophia Antipolis (Orlandi)
Université de Paris Sorbonne (Orlandi)
Wrocław University of Technology (Orlandi)
LMU München (Di Persio)
University of Oslo (Di Persio)
ENSIIE Évry (Di Persio)

Technische Universität Dortmund (Dai Pra)
Aix-Marseille University (Dai Pra)
Université de Poitiers (Dai Pra)
PRESENTATION OF THE ERASMUS+ PARTNERS

Scientific Computing
Numerical Analysis
Innsbruck (Caliari)
NTNU Trondheim (Sansonetto)
Nice - Sophia Antipolis (Orlandi)
Wrocław (Orlandi)
Wuppertal (Di Persio)

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

Optimal Control
Optimization
Sofia (Marigonda)
UBO Brest (Marigonda)
UGA Grenoble (Orlandi)

Data Science, Modeling Simulation, ECMI Partners
Sofia (Marigonda)
ECE Paris (Dai Pra)
Polytech. Grenoble (Orlandi)
UGA Grenoble (Orlandi)
Nice - Sophia Antipolis (Orlandi)
ELTE Budapest (Mazzuoccolo)
University of Oslo (Di Persio)
Wrocław (Orlandi)
NTNU Trondheim (Sansonetto)
Marseille (Dai Pra)
Dortmund (Dai Pra)
Poitiers (Dai Pra)

Logic and Foundations of Math
Gent (Schuster)
Darmstadt (Schuster)
Besançon (Schuster)
Ljubljana (Schuster)
ERASMUS+ Partners

PRESENTATION OF THE ERASMUS+ PARTNERS
Sofia University St. Kliment Ohridski
(Marigonda Antonio)

Sofia
Bulgaria
PRESENTATION OF THE ERASMUS+ PARTNERS

Sofia University St. Kliment Ohridski
(Marigonda Antonio)

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<th>Attività consigliate nella sede</th>
<th>Suggested activities</th>
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<th>Ambiti scientifici suggeriti / Suggested scientific arguments</th>
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<tr>
<td>Mathematical models in biology and life sciences, Optimal control and Optimization, Dynamical Systems, Game Theory, Financial Mathematics, Logic and algorithms</td>
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<tr>
<td>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.</td>
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Altre risorse / Further resources

Click here to see the video presentation: Manuel Donadoni, Antonio Marigonda
Université de Bretagne Occidentale

(Marigonda Antonio)

Brest
France
### Suggested activities

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### Suggested scientific arguments
- Game Theory
- Differential Game Theory
- Optimal Control
- Variational Analysis
- Optimization

### 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.

### Further resources
Click here to see the video presentation: [Antonio Marigonda](#)
Universitat Autònoma de Barcelona (UAB)

(Orlandi Giandomenico)

Barcelona
Spain
Universitat Autònoma de Barcelona (UAB)
(Orlandi Giandomenico)

**Presentazione dei partecipanti**

**Attività consigliate nella sede**

- **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**


**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 Matematica. The foreign student office is really very efficient in taking care of incoming students!
Institute Polytechnique de Grenoble

(Orlandi Giandomenico)

Grenoble

France
## Attività consigliate nella sede

**Suggested activities**

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### Ambiti scientifici suggeriti / Suggested scientific arguments


### 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](#).
Université Grenoble Alpes (UGA)

(Orlandi Giandomenico)
Université 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
Université Cote 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


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 Giandomenko)

Paris
France
Presentations of the Erasmus+ Partners

Paris Sorbonne
(Orlandi Giandomenico)

**Attività consigliate nella sede**
Suggested activities

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**Ambiti scientifici suggeriti / Suggested scientific arguments**


**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](https://example.com)
Wrocław University of Technology
(Orlandi Giandomenico)

Wrocław
Poland
### Attività consigliate nella sede
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### 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
- 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
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- 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
Norwegian University of Science and Technology

(Sansonetto Nicola)

Trondheim

Norway
**Attività consigliate nella sede**

**Suggested activities**

- Frequenza corsi di base
  - Attending basic courses

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- Attività di laboratorio
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- Stesura tesi di laurea
  - Degree Thesis

- Tirocini o stages
  - Internships or Stages

**Ambiti scientifici suggeriti / Suggested scientific arguments**

- Dynamical systems
- Geometry and Topology
- Ordinary and Partial Differential Equations
- Mathematical Modelling
- Numerical Analysis
- Statistics

**Note ed informazioni aggiuntive / Remarks and additional info**

This partner runs an international program totally taught in English with strong educational paths concerning: Modeling dynamics and Scientific Computing, Geometry, Algebra and Statistics, 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. Two Ph.D. students enrolled in Trondheim were students of our Program in Verona, Davide Murari and Marta Ghirardelli.
Leopold-Franzens-Universität Innsbruck

(Caliari Marco)

Innsbruck
Austria
Attività consigliate nella sede
Suggested activities

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- Tirocini o stages
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Ambiti scientifici suggeriti / Suggested scientific arguments


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
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**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**

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**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
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### 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.
Technische Universität Darmstadt
(Schuster Peter)

Darmstadt
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

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.
PRESENTATION OF THE ERASMUS+ PARTNERS

Université de Franche-Comté Besançon (Montbéliard)
(Schuster Peter)

Besançon
France
### Attività consigliate nella sede

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<tr>
<th>Suggested activities</th>
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<td>Frequenza corsi di base</td>
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<td>Internships or Stages</td>
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### 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'Università 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
### Université de Bourgogne

*(Schuster Peter)*

#### Attività consigliate nella sede

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<tr>
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#### Ambiti scientifici suggeriti / Suggested scientific arguments

- Algebra and categories.
PRESENTATION OF THE ERASMUS+ PARTNERS

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


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
### Attività consigliate nella sede

#### Suggested activities

<table>
<thead>
<tr>
<th>Activity</th>
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<tr>
<td>Frequenza corsi di base (Attending basic courses)</td>
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<tr>
<td>Frequenza corsi avanzati (Attending advanced courses)</td>
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<tr>
<td>Attività di laboratorio (Laboratory activities)</td>
<td>★★★★★</td>
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<tr>
<td>Stesura tesi di laurea (Degree Thesis)</td>
<td>★★★★★</td>
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<tr>
<td>Tirocini o stages (Internships or Stages)</td>
<td>★★★★★</td>
</tr>
</tbody>
</table>

### Ambiti scientifici suggeriti

- Algebra, coding theory

### Note ed informazioni aggiuntive

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)
### Suggested activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Frequency</th>
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<tr>
<td>Attending basic courses</td>
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<td>Internships or Stages</td>
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### Suggested scientific arguments

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

### 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.

### Further resources

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

PRESENTATION OF THE ERASMUS+ PARTNERS
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
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- Tirocini o stages
  Internships or Stages
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Ambiti scientifici suggeriti / Suggested scientific arguments


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
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
Attività consigliate nella sede
Suggested activities

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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.
PRESENTATION OF THE ERASMUS+ PARTNERS

ENSIIÉ
(Di Persio Luca)

Évry
France
PRESENTATION OF THE ERASMUS+ PARTNERS

Ensiie
(Di Persio Luca)

**Attività consigliate nella sede**

**Suggested activities**

- **Frequenza corsi di base**
  - Attending basic courses
  - • • • o o

- **Frequenza corsi avanzati**
  - Attending advanced courses
  - • • • • o

- **Attività di laboratorio**
  - Laboratory activities
  - • • • o o

- **Stesura tesi di laurea**
  - Degree Thesis
  - • • • • o

- **Tirocini o stages**
  - Internships or Stages
  - • • • • o

**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

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### Ambiti scientifici suggeriti / Suggested scientific arguments

Technische Universität Dortmund

(Lipták Zsuzsanna)

Dortmund

Germany
PRESENTATION OF THE ERASMUS+ PARTNERS

Technische Universität Dortmund
(Lipták Zsuzsanna)

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

- Theoretical Computer Science, Software Engineering, Security, Intelligent systems

Note ed informazioni aggiuntive / Remarks and additional info

- Almost all courses (bachelor and master level) taught in German (B2 necessary), a few master level courses can be taught in English on request. Contacts to groups specializing in Bioinformatics (statistics, algorithms), Text Algorithms, and Didactics of Informatics. Possibility of master thesis (for thesis work, English B2 suffices).
Aix-Marseille University (AMU)

(Menegaz Gloria)

Marseille

France
Aix-Marseille University (AMU)
(Menegaz Gloria)

**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**

Biomedical signal and image processing, machine and deep learning and data science.

**Note ed informazioni aggiuntive / Remarks and additional info**

Almost all courses taught in French. Theses and stages are recommended.
Université de Poitiers
(Menegaz Gloria)

Poitiers
France
Université de Poitiers
(Menegaz Gloria)

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
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- Tirocini o stages
  Internships or Stages
  ● ● ● ● ●

Ambiti scientifici suggeriti / Suggested scientific arguments
Biomedical signal and image processing, machine and deep learning and data science.

Note ed informazioni aggiuntive / Remarks and additional info
Almost all courses taught in French. Theses and stages are recommended.
Il bando ERASMUS+
ERAMSUS+ Call
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.
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 scientific 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 2023, 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.).
The Erasmus+ Selection Committee for the 2023/2024 call is made up of the following:

- prof. Fabio Favati – *B.Sc. and M.Sc. of the Biotechnology Department*.
- 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.

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

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

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.

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.

Regulations on student mobility

- regulations (ENG).
- regulations (ITA).
**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 will be 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 sanza gente. Considerate la vostra semenza: fatti non foste a viver come bruti, ma per seguire 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)