Studiare all’estero
Studying abroad
Some motivation 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

Student International Mobility at the University of Verona

- ERASMUS+ for study
- ERASMUS+ for internship
- Worldwide study
- Short Term Mobility
- UniVerona cooperation

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
Studiare Matematica all’estero con l’Università di Verona

ERASMUS+ per studio

Mobilità Internazionale Studenti all’Università di Verona

ERASMUS+ per tirocinio

Worldwide study

Short Term Mobility

UniVerona cooperazione

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
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 ERASMUS+ students. They will be happy to support you by answering your questions. Contact list available at the Student Representatives Office.

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
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
• Alumni placement

Serve altro?
Contattate i nostri ex studenti ERASMUS+. Saranno lieti di a tutte le vostre domande. Lista dei contatti disponibile presso i Rappresentanti degli studenti.

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
Fatti e Statistiche / Facts and Stats*

*Dati dal Servizio Reporting di Ateneo / Data from UniVR Reporting Office (estratti il 9 Dic 2019 / extracted on 9 Dec 2019)

Crediti ottenuti da studenti ERASMUS+ INCOMING
Credits earned by ERASMUS+ INCOMING Students

Crediti ottenuti all'estero da studenti ERASMUS+ OUTGOING
Credits earned abroad by ERASMUS+ OUTGOING Students

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
Fatti e Statistiche / Facts and Stats*

*Dati dal Servizio Reporting di Ateneo / Data from UniVR Reporting Office  (estratti il 9 Dic 2019 / extracted on 9 Dec 2019)

Credits obtained by ERASMUS+ Incoming Students (2015-2019)

Valori assoluti / totals

- Matematica Applicata / Applied Mathematics: 36
- Informatica / Informatics: 12
- Bioinformatica / Bioinformatics: 72
- Ingegneria e Scienze Informatiche / Engineering and ICT: 96
- Medical Bioinformatics: 48
- Mathematics: 204

Numero di Studenti ERASMUS+ Outgoing (2015-2019)
Number of ERASMUS+ Outgoing Students (2015-2019)

Valori assoluti / totals

- Matematica Applicata / Applied Mathematics: 14
- Informatica / Informatics: 13
- Bioinformatica / Bioinformatics: 6
- Ingegneria e Scienze Informatiche / Engineering and ICT: 23
- Medical Bioinformatics: 57
- Mathematics: 57
Placement: Verso il domani / Towards the future

Job Placement

Alumni Mathematics: No limits!

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
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 Stützgart (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)
Partner Universities LM40 - Mathematics

Leopold-Franzens-Universität Innsbruck (Caliari)
Universiteit Antwerpen (Schuster)
Universiteit Gent (Schuster)
Sofia University St. Kliment Ohridski (Marigonda)
Universität Bielefeld (Di Persio)
Technische Universität Darmstadt (Schuster)
Technische Universität Darmstadt (Caliari)
Ludwig-Maximilians Universität München (Di Persio)
Universität Siegen (Schuster)
Universität Stützgatt (Mantese)
Bergische Universität Wuppertal (Di Persio)
Universitat Autònoma de Barcelona (Orlandi)
Universidad de Murcia (Mantese)

Université de Besançon (Schuster)
Université de Bourgogne (Schuster)
ENSIIE Évry (Di Persio)
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)
Wroclaw University of Technology (Orlandi)
University of Ljubljana (Schuster Peter)

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
Scientific Computing, Numerical Analysis
Innsbruck (Caliari)
Darmstadt (Caliari)
Nice - Sophia Antipolis (Orlandi)
Wroclaw (Orlandi)

Algebra, Discrete Mathematics
Siegen (Schuster)
Stuttgart (Mantese)
Murcia (Mantese)
ELTE Budapest (Mazzuoccolo)
Nottingham (Schuster)

Optimization, Optimal Control
Sofia (Marigonda)
Darmstadt (Caliari)
Brest (Marigonda)
UGA Grenoble (Orlandi)

Financial Mathematics
Sofia (Marigonda)
LMU Munich (Di Persio)
Wuppertal (Di Persio)
ENSIIE Evry (Di Persio)
Oslo (Di Persio)

Data Science, Modeling, Simulation, ECMI Partners
Sofia (Marigonda)
Darmstadt (Caliari)
UAB Barcelona (Orlandi)
ENSIIE Evry (Di Persio)
INP Polytechnique Grenoble (Orlandi)
UGA Grenoble (Orlandi)
Nice - Sophia Antipolis (Orlandi)
ELTE Budapest (Mazzuoccolo)
Wroclaw (Orlandi)

General
Bielefeld (Di Persio)
LMU Munich (Di Persio)
UAB Barcelona (Orlandi)
Paris Sorbonne (Orlandi)
Oslo (Di Persio)
Ljubljana (Schuster)

Logic and Foundations of Math
Antwerpen (Schuster)
Ghent (Schuster)
Darmstadt (Schuster)
Siegen (Schuster)
Besançon (Schuster)
Bourgogne (Schuster)
PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019

B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
Leopold-Franzens-Universität Innsbruck
(Caliari Marco)

Settori / Topics: Matematica / Mathematics
**Leopold-Franzens-Universität Innsbruck (Caliari Marco)**

### Attività consigliate nella sede / Suggested activities

<table>
<thead>
<tr>
<th>Attività</th>
<th>Scegliere (scegliere 1 = non scegliere)</th>
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<tbody>
<tr>
<td>Frequenza corsi di base / Attending basic courses</td>
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</tr>
<tr>
<td>Frequenza corsi avanzati / Attending advanced courses</td>
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<tr>
<td>Attività di laboratorio / Laboratory activities</td>
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<tr>
<td>Stesura tesi di laurea / Degree Thesis</td>
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<tr>
<td>Tirocini o stages / Internships or Stages</td>
<td>●●●●○</td>
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</tbody>
</table>

### 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.
Technische Universität Darmstadt
(Caliari Marco)

Settori / Topics: Mathematics (Computational Engineering)
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, Modeling and simulation, numerical analysis, optimization

Note ed informazioni aggiuntive / Remarks and additional info

The agreement is with the Graduate school on Computational Engineering, a leading center for interdisciplinary research in the broad field of optimization.
Universität Stuttgart
(Mantese Francesca)

Settori / Topics: Matematica / Mathematics
### Attività consigliate nella sede / Suggested activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Recommendation</th>
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<tbody>
<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>
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<tr>
<td>Stesura tesi di laurea / Degree Thesis</td>
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<tr>
<td>Tirocini o stages / Internships or Stages</td>
<td>○○○○○</td>
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</tbody>
</table>

### 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.
Spain
Murcia

Universidad de Murcia
(Mantese Francesca)

Settori / Topics: Matematica / Mathematics
<table>
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<tr>
<th>Attività consigliate nella sede / Suggested activities</th>
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<tr>
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<td>Attività di laboratorio / Laboratory activities</td>
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<tr>
<td>Stesura tesi di laurea / Degree Thesis</td>
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<td>Tirocini o stages / Internships or Stages</td>
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<tr>
<td>Ambiti scientifici suggeriti / Suggested scientific arguments</td>
</tr>
<tr>
<td>Algebra, Functional Analysis, Geometry and Topology</td>
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</tbody>
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<tr>
<th>Note ed informazioni aggiuntive / Remarks and additional info</th>
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<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>
Sofia University St. Kliment Ohridski
*(Marigonda Antonio)*

Settori / Topics: Matematica / Mathematics
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
- Financial Mathematics

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.
Université de Bretagne Occidentale
*(Marigonda Antonio)*

Settori / Topics: Matematica / Mathematics
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

- Differential games, 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.
Universitat Autònoma de Barcelona (UAB)
(Orlandi Giandomenico)

Settori / Topics: Matematica / Mathematics
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, 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)*

Settori / Topics: Matematica / Mathematics
### 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 runs an international program totally taught in english (http://msiam.imag.fr) 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.
Université Grenoble Alpes (UGA)
(Orlandi Giandomenico)

Settori / Topics: Matematica / Mathematics
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.

Note ed informazioni aggiuntive / Remarks and additional info

Web page master degree in applied mathematics:
Université de Nice - Sophia Antipolis
(Orlandi Giandomenico)

Settori / Topics: Matematica / Mathematics
### Attività consigliate nella sede / Suggested activities

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<tr>
<th>Area</th>
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<tr>
<td>Frequenza corsi di base / Attending basic courses</td>
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<tr>
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<td>Stesura tesi di laurea / Degree Thesis</td>
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<td>Tirocini o stages / Internships or Stages</td>
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### 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.
Paris Sorbonne
(Orlandi Giandomenico)

Settori / Topics: Matematica / Mathematics
Paris Sorbonne (Orlandi Giandomenico)

### Attività consigliate nella sede / Suggested activities

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<td>Attività di laboratorio / Laboratory activities</td>
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<td>Stesura tesi di laurea / Degree Thesis</td>
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### Ambiti scientifici suggeriti / Suggested scientific arguments

- Bioinformatica
- 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.
Wroclaw University of Technology

(*Orlandi Giandomenico*)

Settori / Topics: Applied and Industrial Mathematics
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.
Eötvös Loránd University Budapest (ELTE)
(Mazzuoccolo Giuseppe)

Settori / Topics: Matematica / Mathematics
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

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.
Universität Bielefeld
(Di Persio Luca)

Settori / Topics: Matematica / Mathematics
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

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)

Settori / Topics: Matematica / Mathematics
Attività consigliate nella sede / Suggested activities

- Attending basic courses
- Attending advanced courses
- Laboratory activities
- Degree Thesis
- Internships or Stages

Ambiti scientifici suggeriti / Suggested scientific arguments


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)

Settori / Topics: Matematica, Informatica / Mathematics, Computer Science
Attività consigliate nella sede / Suggested activities

- Attending basic courses
- Attending advanced courses
- Laboratory activities
- Degree Thesis
- 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). Informatics: particularly focused in Applied Computer Science and Software Engineering.

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.
École Nationale Supérieure d’Informatique pour l’Industrie et l’Enterprise

(Di Persio Luca)

Settori / Topics: Matematica / Mathematics, Informatica / Computer Science
École Nationale Supérieure d’Informatique pour l’Industrie et l’Enterprise (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**

- 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

(\textit{Di Persio Luca})

Settori / Topics: Matematica / Mathematics
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 Antwerpen
(Schuster Peter)

Settori / Topics: Matematica / Mathematics
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

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

**Universiteit Gent**
*(Schuster Peter)*

**Settori / Topics: Matematica / Mathematics**
Attività consigliate nella sede / Suggested activities

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

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)

Settori / Topics: Matematica / Mathematics
Technische Universität Darmstadt (Schuster Peter)

### Attività consigliate nella sede / Suggested activities

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### 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)

Settori / Topics: Matematica / Mathematics
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)

Settori / Topics: Matematica / Mathematics
Attività consigliate nella sede / Suggested activities

- Frequenza corsi di base / Attending basic courses • • • • •
- Frequenza corsi avanzati / Attending advanced courses • • • • •
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- Stesura tesi di laurea / Degree Thesis • • • • •
- Tirocini o stages / Internships or Stages 0 0 0 0 0

Ambiti scientifici suggeriti / Suggested scientific arguments


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)*

Settori / Topics: Matematica / Mathematics
### Attività consigliate nella sede / Suggested activities

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### Ambiti scientifici suggeriti / Suggested scientific arguments

Univerza v Ljubljani
(\textit{Schuster Peter})

Settori / Topics: Matematica / Mathematics
Attività consigliate nella sede / Suggested activities

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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)

Settori / Topics: Matematica / Mathematics
The University of Nottingham (Schuster Peter)

### Attività consigliate nella sede / Suggested activities

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### 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.
Il bando ERASMUS+
ERASMUS+ call
Erasmus+ is the EU's programme to support education, training, youth and sport in Europe. Its budget of €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 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 new skills and skills required by the labour market.
- Encouraging young people to take part in European democracy
- Supporting innovation, cooperation and reform
- Reducing early school leaving
- Promoting cooperation and mobility with 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 Jan / early Feb 2020, and will be published [here](#). The International Relations Office will organize some Information Days to illustrate the features of 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.).

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
The Erasmus+ Selection Committee for the 2020/2021 call is made up of the following:

- prof. Fabio Favati - B.Sc. and M.Sc. of the Biotechnology Department.
- prof. Antonio Marigonda - B.Sc. in Applied Mathematics and M.Sc. in Mathematics.
- prof. Zsuzsanna Lipták – 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.

- Specific 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.

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.

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

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**.

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

PRESENTATION OF THE ERASMUS+ PARTNERS - 12 DEC 2019
B.SC. IN APPLIED MATHEMATICS
M.SC. IN MATHEMATICS
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 not allowed to integrate the activities made abroad with activities at UniVR.

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

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 (in Italian only)
General UniVR Regulations
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.
“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 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)