

## Language courses program SS 07

### A 1 part 1

Wed 18.00-20.00, Sat 10.00-12.00  
ETH HG D 3.3

### B1: part 1

Tue 8.00-10.00 und Fri 8.00-10.00  
ETH HG D 3.3

### Register now!

[http://www.zgsm.ch/index.php?id=lang\\_registration](http://www.zgsm.ch/index.php?id=lang_registration)

## Learning German at ZGSM

Most of the PhD fellowships of the Zurich Graduate School in Mathematics are teaching fellowships. Typically graduate students teach exercise classes for undergraduates in German. We expect that PhD students from abroad acquire within the first year of their studies adequate proficiency in German for teaching math classes.

As a courtesy ZGSM offers German language program for their members specially designed to acquire the needed skills in German within their first two years of study. The courses cover the international standards A1, A2 and B1. As a special feature the course at level B1 includes practice classes for teaching mathematics in German. By the end of the first respectively second year students have the possibility of taking the exam of the certificate for the level A2 respectively B1 of the Goethe Institut.

To a large extent, the courses are financially supported by the ZGSM. However we ask each participant for a financial contribution.

Our course program is a two-year program. The first year program is intensive but leaves ample time for research, graduate course work and research seminars. Our aim is to enable all members of the ZGSM in relatively short time to communicate in German in daily life, thus making life in Zurich much more enjoyable.

In addition, for all members of the ZGSM, we regularly offer conversation classes for leisurely practicing German.

### Info meeting

Wed. Sept. 26, 2007, 18:00; ETH HG D 3.3

### Further information

If you are interested in one of the courses please let us know as soon as possible. For more information please contact Hedi Oehler, [oeehler@math.ethz.ch](mailto:oeehler@math.ethz.ch), Tel. 044-632-4442.

### Core program

The Zurich Graduate School in Mathematics offers a two year program in German.

The program of the first year is meant for beginners and aims at reaching the international standard A2. It consists of four courses, one course offered during each of the two semesters and the remaining two held during the semester breaks in January respectively June. By the end of the first year, students have the possibility to take the exam for the certificate for the level A2 of the Goethe Institut.

In order to make learning as efficient as possible the size of our classes are held small. To reach our goal of mastering level A2 by the end of the first year considerable amount of homework is given and students have to actively participate in classes.

The program of the second year aims at reaching international standard B1. It consists of two semester courses. Writing skills, and as a special feature, coaching for teaching mathematics in German are emphasized. By the end of the second year the students have the possibility to take the exam of the certificate for the level B1 of the Goethe Institut.

In addition we regularly offer conversation classes in German for practicing German in a leisurely atmosphere.

Please do not hesitate to contact us if you have questions or seek advice with regard to learning German.

### Costs (course material included)

PhD students and postdocs	CHF 300.-
Scholarshipholders	CHF 100.-
Others	CHF 650.-

### Impressum

**Publisher:** Zurich Graduate School in Mathematics  
**Contact:** [info@zgsm.ch](mailto:info@zgsm.ch)

# Zurich Graduate School in Mathematics

uzh | eth | zürich

## Welcome

We welcome the following persons as new members of our graduate school:

### PhD students

Leonardo Aguiere (ETH)

Michael Bächtold (UZH)

Roberto Boldini (UZH)

Matteo Casserini (ETH)

Sarah Gerster (ETH)

Jörg Hättenschweiler (ETH)

Hasan Inci (UZH)

Julian Jordi (UZH)

Driton Komani (ETH)

Abigail Mitchell (UZH)

Marcel Nutz (ETH)

Alina Ostafe (Scholarship)

Lavinia Ostafe (Scholarship)

Felix Rubin (UZH)

Beat Schaad (UZH)

Michael Siepmann (ETH)

Tatjana Simcevic (Scholarship)

Jonathan Skowera (Scholarship)

Nicolas Städler (ETH)

Dominik Tasnady (UZH)

Augusto Teixeira (Scholarship)

Philipp Thomann (UZH)

Daniel Wright (ETH)

### Postdocs

Gabi Ben-Simon (ETH)

Damien Calaque (ETH)

Thomas Foertsch (UZH)

Jan Foniok (ETH)

Philipp Habegger (ETH)

Mia Hinnerich (ETH)

Sukmoon Huh (UZH)

Andrea Macrina (ETH)

Anne Moreau (ETH)

Joseph Najnudel (ETH)

Majid Narimannejad (UZH)

Parthanil Roy (ETH)

Arvind Singh (UZH)

Chris Wendl (ETH)

Wie Zhu (ETH)

### Faculty

Karin Baur (ETH)

Daniel Kressner (ETH)

Marloes Maathuis (ETH)

Jiri Cerny (ETH)

David Cimasoni (ETH)

Francesca Da Lio (ETH)

Janko Latschev (ETH)

Malamoud Semen (ETH)

## International relations

An agreement of cooperation with the Hanoi National University of Education has been worked out. Members of the ZGSM faculty are invited to give intensive courses at the graduate school in mathematics in Hanoi. The first such course was held in August 2007.

## Studies abroad

The Zurich Graduate School supports studies abroad, in particular, but not exclusively, within the framework of the international research training groups *Arithmetik and Geometry* and *Stochastic Models of Complex Systems*. PhD students who are interested are asked to apply. For further information please contact the office of the graduate school.

## Course program

Please find enclosed the course program of the fall semester 07. In particular we would like to invite you to our special activities on Tuesdays, the Zurich Colloquium in Mathematics and the Zurich Graduate Colloquium. See separate announcements for further details.

## Language courses

The new courses will start in the second week of the fall semester. See detailed information on the back page.

## Social activities

### Fondue

The graduate school will organize a fondue evening on Wednesday, December 5, starting at 6:30pm. It will take place at Irchel campus, in the Lichthof of the building Y27K. All faculty members, PhD students and postdocs of the graduate school are invited.

### Stammtisch

After the Zurich Graduate Colloquium, PhD students and postdocs meet in one of Zurich's bars. These meetings are a chance to get to know each other better. The new PhD students and postdocs are particularly welcome. The dates of these meetings will be announced on the homepage of the graduate school.

# Zurich Graduate School in Mathematics

For further information and activities see [www.zurich-graduate-school-math.ch](http://www.zurich-graduate-school-math.ch)

## ZGSM Graduate Course Program

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8		Symplectic Geometry and the Moment Map (V) Dietmar Salamon 8.15-10.00 -- ETH HG G 26.1	Mathematical Finance (V) Martin Schweizer 8.15-10.00 -- ETH HG E 1.1	Advanced Topics in Computational Statistics (V) Peter Bühlmann 8.15-10.00 -- ETH HG D 5.2  Einführung in diophantische Approximation und Transzendenz (V) Gisbert Wüstholz 8.15-10:00 -- ETH HG E 1.2
9	Solitonen und Monopole in der klassischen Feldtheorie (V) Matthias Gaberdiel 8.45-10.30 -- ETH HPT B 71			
10	Étale Cohomology Andrew Kresch 10.15-12.00 -- UZH Y 27-H-25 (Start: Okt. 1)  Symplectic Geometry and the Moment Map (V) Dietmar Salamon 10.15-12.00 -- ETH HG G 26.1	Einführung in diophantische Approximation und Transzendenz (V) Gisbert Wüstholz 10.15-12:00 -- ETH HG G 5  Symplectic Floer theory through examples & applications (*) Paul Biran (Tel Aviv) 10.15-12.00 -- HG G 43 (Start: Okt. 2)	Algebraic Groups Vladimir Popov 10.15-12.00 -- ETH HG G 5  From Classical to Quantum Molecular Dynamics: Intermediate Models and Numerical Analysis (*) Christian Lubich (Tübingen) 10.15-12.00 -- ETH HG G 43 (Start: Okt. 4)	
11	Non-standard asymptotics and particle systems (*) Piet Groeneboom (Delft/Amsterdam) 11.15-13.00 -- ETH HG G 19.2 (Start: Okt. 9)  Solitonen und Monopole in der klassischen Feldtheorie (U) Matthias Gaberdiel 10.45-11.30 -- ETH HPT B 71			
13	Mathematical Finance (U) Martin Schweizer 13.15-15.00 -- ETH HG E 1.2	Algebraische Geometrie (V) Andrew Kresch 13.00-14.45 -- Y 27-H-12  Stochastic Optimal Control with Applications in Finance (V) Philipp Schönbacher 13.15-15.00 -- ETH HG D 7.2	Algebraische Geometrie (V) Andrew Kresch 13.00-14.45 -- Y27H12  Gibbs Masse und Zufallsfelder (V) Erwin Bolthausen 13.00-14.45 -- UZH Y 27-H-25; Übungen n.V.	
14		The Willmore Functional (*) Ernst Kuwert (Freiburg i. Br.) 14.15-16.00 -- ETH HG G 43 (Start: Okt. 3)		
15	Introduction to Viscosity Solutions: Methods and Applications (V) Francesca Da Lio 15.15-17.00 -- ETH HG G 26.1	Algebraic Groups Vladimir Popov 15.15-17.00 -- ETH HG G 5  Symplectic and Poisson Geometry (V) Alberto Cattaneo 15.00-17.00 -- UZH, Y 27-H-12; Übungen n.V.  Symplectic Geometry and the Moment Map (U) Dietmar Salamon 15.15-16.00 -- ETH HG G 26.1  Übungen Algebraische Geometrie (U) Andrew Kresch 15.15-17.00 -- UZH Y 27-H-26	Einführung in diophantische Approximation und Transzendenz (U) Gisbert Wüstholz 15.15-16:00 -- ETH HG F 26.3  Symplectic and Poisson Geometry (V) Alberto Cattaneo 15.00-17.00 -- UZH, Y 27-H-25; Übungen n.V.  Symplectic Geometry and the Moment Map (U) Dietmar Salamon 15.15-16.00 -- ETH HG G 26.1  Übungen Algebraische Geometrie (U) Andrew Kresch 15.15-17.00 -- UZH Y 27-H-26	Quantitative Risk Management (V) Paul Embrechts 15.15-17.00 -- ETH HG D 1.2  Gibbs Masse und Zufallsfelder (V) Erwin Bolthausen 15.00-17.00 -- UZH Y 27-H-25; Übungen n.V.  Mathematical Finance (V) Martin Schweizer 15.15-17.00 -- ETH HG G 3
17	Zurich Colloquium in Mathematics P. Bühlmann, G. Felder, T. Kappeler, A. Kresch, D. Salamon, V. Schroeder, C. Schwab 17:15-18:15 -- ETH HG G 3 alternating Zurich Graduate Colloquium M. Bader, A. Iozzi, N. Kurt, A. Ott 17:15-18:15 -- ETH HG G 43			

(\*) ETH Lectures (V) Vorlesung (U) Übung