

## Language courses program spring semester 09

### Level A2 course

For those with basic knowledge of German - new members or those who have already visited an A1 course.

Goal: Approach to more complex sentences and improvement of speaking skills

Two double lessons per week at the ETH main building.

-Tuesday 7:00 - 8:30 pm

-Thursday 7:00 - 8:30 pm

Beginning: Tuesday, March 10th, 2009

Ending: Thursday, June 18th, 2009

### Level A1 course

For those who have no or only little knowledge of German.

Goal: To enable the participants to communicate in German. Focus on comprehension and speaking skills.

Two double lessons per week.

We are just in the planning of this course. Further details will be announced on our homepage [www.zgsm.ch](http://www.zgsm.ch).

### Further information

Costs:

- PHD students and postdocs of ZGSM 300 CHF

- Scholarshipholders 100 CHF

- Others 650 CHF

If you are interested in one of the courses please contact Jessica Bolsinger, [info@zgsm.ch](mailto:info@zgsm.ch).

## 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 a German language program for their members specially designed to acquire the needed skills in German within the first or the 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.

There are courses during the semester and also during the semester breaks in January respectively June.

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.

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.

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

#### Impressum

**Publisher:** Zurich Graduate School in Mathematics

**Contact:** [info@zgsm.ch](mailto:info@zgsm.ch)

# Zurich Graduate School in Mathematics

uzh | eth | zürich

Issue No 6 - Spring Semester 09

## Welcome

We welcome as new members of our graduate school:

### PhD students

Roman Andreev (ETH)

Jamie Barron (Scholarship)

Gerhard Bräunlich (ETH)

Kim Dang (UZH)

Coralie Ducrest (ETH)

Valentina Georgoulas (ETH)

Robert Haslhofer (ETH)

Sohrab Kehtari (ETH)

Lars Kühne (ETH)

Manuel Naumann (ETH)

Hiep Pham (ETH)

Oleg Reichmann (ETH)

Christian Reichlin (ETH)

Martin Sack (ETH)

Robert Salzmann (ETH)

Christine Tobler (ETH)

Anna-Lena Trautmann (Scholarship)

Urs Wagner (UZH)

Tamara Widmer (UZH)

### Postdocs

Camilo Arias Abad (UZH)

Xavier Claeys (ETH)

Daniel Haase (ETH)

Anton Khoroshkin (ETH)

Effrosyni Kokiopoulou (ETH)

Mark McLean (ETH)

Ulrich Menne (ETH)

Tatiana Samrowski (UZH)

### Faculty

Paul-Olivier Dehaye (ETH)

## Congratulations

We congratulate for finishing their PhD:

Corinne Dahinden (ETH)

Vânia Lucia Dos Santos Eleutério (ETH)

Felix Fontein (UZH)

Norbert Hilber (ETH)

Lukas Meier (ETH)

Patricia Menéndez Galvan (ETH)

Christoph Winter (ETH)

Rico Zenklusen (ETH)

Jens Zumbrägel (UZH)

## International relations

• International Research Training Group "Arithmetic and Geometry": Summer school: May 10 - 15, 2009 in Ascona, Switzerland.

## Studies abroad

The Zurich Graduate School supports studies abroad, in particular, but not exclusively, within the framework of the international research training groups *Arithmetic 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 spring semester 09. 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 soon. See detailed information on the back page.

## Social activities

### Barbecue

The graduate school organizes its barbecue party at the end of May/beginning of June. It will take place in the Irchel park. The football match starts at 6:30 pm. All faculty members, PhD students and postdocs of the graduate school are invited. The exact date will be announced by mail.

### 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 by mail.

# Zurich Graduate School in Mathematics

For further information and activities see [www.zgsm.ch](http://www.zgsm.ch)

## ZGSM Graduate Course Program

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8		Numerik von Integralgleichungen (V) Stefan Sauter 08.00-10.00 -- UZH Y27-H-25; Übungen n.V.  Partial Differential Equations (V) Peter Albers 08.15-10.00 -- ETH HG G 5	Kohomologie der Gruppen (V) Karin Baur 08.15-10.00 -- ETH HG G 5  Selected Chapters in Time Series Analysis (V) Hans Rudolf Künsch 08.15-10.00 -- ETH HG D 3.2	Topics in Contact Geometry (V) Janko Latschev 08.15-10.00 -- ETH HG G 5	Spectral Theory in Hilbert Spaces (V) Emmanuel Kowalski 08.15-10.00 -- ETH HG G 5
9	Kohomologie der Gruppen (U) Karin Baur 09.15-10.00 -- ETH HG G 26.1		Numerical Analysis of Stochastic Partial Differential Equations (G) Christoph Schwab 09.15-10.00 -- ETH HG E 33.5		
10	Kohomologie der Gruppen (V) Karin Baur 10.15-12.00 -- ETH HG 3  Topics in Contact Geometry (V/U -alternating) Janko Latschev 10.15-12.00 -- ETH HG F 5	Numerical Analysis of Stochastic Partial Differential Equations (G) Christoph Schwab 10.15-12.00 -- ETH HG G 26.3	Holomorphic Curves in Symplectic and Contact Geometry (V) Chris Wendl 10.15-12.00 -- ETH HG G 26.1  Theory and Numerics of Model Reduction (G) Daniel Kressner 10.15-12.00 -- ETH HG D 5.2	The Theory of Extremes and Point Processes (V) Paul Embrechts 10.15-12.00 -- ETH HG E 5  On Serre's Modularity Conjecture (V) Jean-Pierre Wintenberger 10.15-12.00 -- ETH HG G 43	Numerik von Integralgleichungen (V) Stefan Sauter 10.00-12.00 -- UZH Y27-H-25; Übungen n.V.  Quadratic Algebras and Koszul Duality (V) Anton Khoroshkin 10.15-12.00 -- ETH HG G 26.3
11					
12					
13		Limit Theorems for Semimartingales (V) Paul Embrechts 13.15-15.00 -- ETH HG D 3.2	An Introduction to Copulas (V) Johanna Neslehova 13.15-15.00 -- ETH HG E 1.1  Nonlinear Discrete Optimization (V) Shmuel Onn 13.15-15.00 -- ETH HG G 43  Elliptische Kurven (V) Philipp Habegger 13.15-15.00 -- ETH HG D 1.1	Differential Stacks, Gerbes, and Applications (V) Ping Xu 13.15-15.00 -- ETH HG G 43	Elliptische Kurven (U) Philipp Habegger 13.15-14.00 -- ETH HG D 1.1  Theory and Numerics of Model Reduction (G) Daniel Kressner 13.15-14.00 -- ETH HG D 3.2
14		Spectral Theory in Hilbert Spaces (U) Emmanuel Kowalski 14.15-15.00 -- ETH HG G 26.3 / HG G 5			
15		Spectral Theory in Hilbert Spaces (V) Emmanuel Kowalski 15.15-17.00 -- ETH HG G 5  Computational Methods for Quantitative Finance II Finite Element and Finite Difference Methods (V) Norbert W. Hilber 15.15-17.00 -- ETH HG E 5  Algebraic Geometry II (V) Joseph Ayoub 15.00-17.00 -- UZH Y27-H-46  Polyhedral Computation (V) Komei Fukuda 15.15-17.00 -- ETH HG E 1.1	Partial Differential Equations (U) Peter Albers 15.15-17.00 -- ETH HG G 5 / ML H 34.3	Computational Methods for Quantitative Finance II Finite Element and Finite Difference Methods (U) Norbert W. Hilber 15.15-16.00 -- ETH HG E 5  Partial Differential Equations (V) Peter Albers 15.15-17.00 -- ETH HG E 3	
16	Optimization and Applications Komei Fukuda 16.30-18.00 -- ETH HG G 19.1			Nonlinear Discrete Optimization (U) Shmuel Onn 16.15-17.00 -- ETH HG D 1.2	
17	Algebraic Geometry II (U) Joseph Ayoub 17.00-18.00 -- UZH Y27-H-46	Zurich Colloquium in Mathematics P. Bühlmann, G. Felder, T. Kappeler, A. Kresch, D. Salamon, V. Schroeder, C. Schwab, A.-S. Sznitman 17:15-18:15 -- UZH KO2 F-150 alternating Zurich Graduate Colloquium Alessandra Iozzi, Thomas Kappeler 17:15-18:15 -- UZH KO2 F-150  Polyhedral Computation (U) Komei Fukuda 17.15-18.00 -- ETH HG E 1.1		Talks in Financial and Insurance Mathematics Paul Embrechts 17.15-18.00 -- ETH HG G 43	
Additional Courses					

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