

SOPHIE FRISCH

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TEACHING EXPERIENCE

I) Courses taught at Technische Universität Graz [#]

1) Required courses for diploma students in mathematics *

Algebra 4h C + 2h E: WS 1996/97, WS 1997/98, WS 2001/02, WS 2002/03, WS 2004/05 and WS 2005/06.

Symbolic Computation [with S. Wagner] 2h C + 2h E: SS 2005.

Maß- und Integrationstheorie (Measure and integration theory); 3h C + 1h E: WS 2003/04.

2) Required courses for diploma students in telematics

Diskrete Mathematik (Discrete mathematics) [with W. Woess and F. Lehner] 3h C+E: C SS 2002, E SS 2003, SS 2004, SS 2005, SS 2006.

3) Courses for diploma students in mathematics

Topologie (Topology) 3h C + 1h E: WS 2006.

Noethersche Ringe (Noetherian rings) 3h C + 1h E: SS 2006.

Algebraische Zahlentheorie (algebraic number theory) [with visiting prof. J.-L. Chabert] 3h C + 1h E: SS 2004.

Galoistheorie (Galois theory); 2h C + 1h E: WS 2003/04.

Noethersche Ringe (Noetherian rings); 3h C + 1h E: SS 2003.

Mathematische Logik (Mathematical logic); 2h C + 1h E: SS 2002.

Kommutative Ringe (Commutative rings) [with visiting prof. P.-J. Cahen]; 3h C + 1h E: SS 2001.

Vektorräume und Moduln (Vector spaces and modules) 3h C + 1h E: SS 1997.

Endliche Körper und Codierung (Finite fields and coding theory) 2h C + 1h E: SS 1996.

Gruppentheorie (Group theory); 3h C + 1h E: SS 1995.

[#] C course, E exercise, S seminar, WS Fall/Winter-semester, SS Spring/Summer-semester, h weekly hour (15 hours per semester)

* Until 2005, computer science at TU Graz was subsumed under mathematics (as a branch of the diploma program).

4) Seminars

Zahlentheorie (Number theory) [with P. Grabner, R. Tichy]; 2h S: WS 2004/05.

Kombinatorik (Combinatorics) [with P. Grabner and R. Tichy]; 2h S: SS 2005.

Algebra und Kryptographie [with P. Grabner and R. Tichy]; 2h S: WS 2005/06.

Nicht-Noethersche Ringe (Non-Noetherian rings); 2h S: SS 2004.

Paradoxien der Maßtheorie (Paradoxes of measure theory); 2h S: WS 2003/04.

Ringtheorie (Ring theory); 2h S: SS 2003.

Kombinatorik (Combinatorics); 2h S: WS 2002/03

Ultraprodukte (Ultraproducts); 2h S: SS 2002.

Kommutative Algebra – Bewertungstheorie (Commutative algebra – valuations);
2h S: SS 2001.

II) Early teaching (as a graduate assistant and later assistant prof.)

5) As asst. prof. at Technische Universität Graz:

Algebra; 2h E: WS 1992/93, WS 1993/94, WS 1994/95, WS 1995/96.

Algebra; 4h C (as a proxy) WS 1995/96.

6) As a graduate assistant at Penn State

Math 140 (Calculus) recitations; 2 classes 2h E each, Fall 1990.

Math 140 (Calculus) recitations; 3 classes 2h E each, Spring 1991.

Game Theory grading/tutoring, 2h E, Fall 1991.

7) As assistant professor at Technische Universität Wien

Seminar Kryptographie (Cryptography seminar) 2h E, SS 1989.

Proseminar Kryptographie (Cryptography exercises) 2h E, SS 1989.