



Invitation to Courses

Linear Algebra (Half Module Mathematics)

Instructor: Christoph Lampert

Course Description:

Linear Algebra (from a Data Analysis point of view) introduces the most important concepts of Linear Algebra: vectors, matrices, linear functions, eigenvalues/-vectors, and how to solve linear equations. For this, it takes a route motivated by the problems that occur in scientific data analysis, such as linear regression and dimensionality reduction. Linear Algebra is a prerequisite for the follow-up courses "Differential equations" and "Geometry and Topology".

Course Requirements and Exams:

Lectures and recitations, weekly homework, 75-min-exam at the end of the half-term

Course schedule:

2 weekly 75 min lectures Tuesdays and Thursdays, 1 weekly 50 minute recitation

Course Academic Credits:

3 ECTS

Course Website:

<http://pub.ist.ac.at/courses/2011/linearalgebra/>

**Courses start on Tuesday, November 29, 2011 (3:15 -4:30 pm)
Seminar Room Mondi 3, IST Austria Central Building, 1st floor**

Please register for the course a week in advance with Academic Affairs (Marie.Trappl@ist.ac.at)



2011-11-29

This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage (note that the IST Shuttle times are highlighted in dark green): http://www.ist.ac.at/fileadmin/user_upload/pdfs/IST_shuttle_2011.pdf.

The IST Shuttle bus is marked IST Shuttle (nr. 242) and has the Institute Logo printed on the side.