



Invitation to Courses

Algorithms (Half Module Computer Science)

Instructors: Vladimir Kolmogorov & Krzysztof Pietrzak

Course Description: This course covers techniques for the design and analysis of algorithms, with a special emphasis on methods useful in bioinformatics.

The topics covered include: basic data structures; algorithms on graphs, trees and strings; techniques like dynamic programming, divide-and-conquer and amortized analysis.

This course is a prerequisite for the course Computational Complexity.

Coursework: Grades will be based on classroom participation, solutions to class questions, and performance in a final exam.

Course schedule: 2 weekly 75 min lectures Tuesdays and Thursdays, 1 weekly 50 min recitation

Lectures: Tuesday & Thursday: 10.00-11.15 am

Recitation: Thursday: 11.30-12.20

Course Academic Credits: 3 ECTS

Course Website: <http://pub.ist.ac.at/courses/2011/algorithms>

**This course starts on Tuesday, October 4, 2011 (10.00 - 11.15 am)
Seminar Room Mondi 3, IST Austria Central Building, 1st floor**



2011-10-04

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

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.