Guarantor of the course:

Name: Ing. Zdeněk Sawa, Ph.D.
E-mail: zdenek.sawa@vsb.cz
Room: A1024

Other lecturers:

- Mgr. Marek Menšík, Ph.D. (logic)
Web pages for the course are on the address:

http://www.cs.vsb.cz/sawa/uti

On these pages you will find:

- Information about the course
- Study texts
- Slides from lectures
- Exercises for tutorials
- Actual information
- Animations
Requirements

- **Credit** (22 points):
  - Written test (22 points) — it will be written on a lecture (probably on lecture 9).

  The minimal requirement for obtaining the credit is 7 points.

- **Exam** (78 points)
  - A written exam consisting of three parts (26 points for each part); it is necessary to obtain at least 10 points for each part.
The aim of the course is to give students a short introduction in the following areas:

- Logic
- Formal languages and automata
- Computability and complexity
The main study texts:

- prof. RNDr. Petr Jančar, CSc.  
  **Úvod do teoretické informatiky (učební text),**  

  *Remark:* For students with more interest, there is also available an extended version of this text, intended for graduate students (a course Theoretical Computer Science).

- doc. RNDr. Marie Duží, CSc.  
  **Matematická logika (učební text),**  
The other available texts:

- **Slides** from lectures (new versions will be added on the web page)
- **Animations** created by M. Kot, Z. Sawa, and by some students
- **Exercises for tutorials**


Remark: This book is available in an electronic form (as PDF) from the computer network of TU Ostrava at the address http://knihovna.vsb.cz/sluzby/e-knihy-wiley.htm
Exercises will be available in advance on the web page.

It is supposed that students try to solve them themselves before tutorials.

The main purpose of tutorials is to discuss different difficulties and problems encountered during solving of exercises.

It is required that students print exercises in advance and bring them to tutorials.