Requirements for the course Logic Programming for Artificial Intelligence

1. Changed exercise times – now: Mon 9:15-10:45, Mon 10:50-11:20, Mon 11:25-12:55
      Reason: Due to numerous time and room conflicts, I had to reschedule the exercises, i.e. exercise groups take place on Monday morning (instead of Wednesday morning).

2. Prolog programming assignments are given each Tuesday directly in or after the lecture. Each of these programming assignments has to be solved individually by each student during the next six days, and the solutions have to be presented and explained on Monday (6 days after the lecture) within one of the exercise groups.

3. Presenting your solutions within the exercise times is mandatory to pass the exam. That is why you should join every meeting in one of the exercise groups on Monday.

4. Required installation prior to start of the course: **before April 9th 2019**, install SWI-Prolog **8.0.2-1** on your computer (see installation hints). We need exactly this version **8.0.2-1**!

5. Required previous knowledge:
The course requires previous knowledge of the Programming language Prolog, and of Relational Algebra, exactly the amount provided in the course "Grundlagen Datenbanken".

If you did not join the course "Grundlagen Datenbanken" or forgot the Prolog part of it, you should read and work through the following material, before the first lecture day, i.e., **before April 9th, 2019**:

   a) Read about Selection, Projection, Union, Set Difference, Intersection, Join, Cartesian Product and Division in any good text book on database systems, e.g.: Hector Garcia Molina, Jeffrey, D. Ullman, and Jenifer Widom: Database Systems. The Complete Book. Prentice Hall 2008, pp 189-224,302-310, and 463-480.

   b) Watch the following video about the first steps to Prolog: Programming in Prolog: this is The Simple Engineer's four part video introductionusing SWI-Prolog.
      https://www.youtube.com/watch?v=gJOZZvYijqk&list=PLVmRRBrc2pRCWtYk752jCIfhD8GmoYfc_
      This is a nice small video sequence to start with which covers parts of the first two lectures.
      It is definitely less challenging than our course. As we use SWI-Prolog throughout the lecture, this video is recommended as first video about Prolog.

   c) Derek Banas's Prolog Tutorial. https://www.youtube.com/watch?v=SykxWpFwMGs .
      This is an hour-long video tutorial, which is based on GNU Prolog (=gprolog) and requires an installation of C++. Please use SWI-Prolog instead.
      You could skip the first minutes and start at minute 5:15, and **install and use SWI-Prolog instead**.

   d) Mike Brayshaw: http://www.doc.gold.ac.uk/~mas02gw/prolog_tutorial/prologpages/
      A very basic intro into Prolog (covering parts of the first two or three lectures).

   e) Bernardo Pires: Try Logic Programming! A Gentle Introduction to Prolog.
      Another very basic introduction to Prolog (covering parts of the first two or three lectures).

   f) Marc Bezem: A Prolog Compendium (pdf) www.ii.uib.no/~bezem/Prolog_Tutorial.pdf
      Useful as introduction for parts of the first two or three weeks of our course (or so).

      You should be aware that none of the online materials 1:1 covers the lecture. Instead, the materials cover only parts of the lecture and provide explanations of similar concepts as presented in the lecture - sometimes omitting some detail, sometimes going beyond the lecture, but often giving a more redundant description.

Please check whether you can meet all the requirements before you decide to join the course!