Core Logic
2006/2007; 1st Semester
dr Benedikt Löwe

Homework Set # 1   *Deadline:* September 13th, 2006

Homework can be handed in

(1) in class,
(2) *via* e-mail to `sbold@science.uva.nl`,
(3) or to Stefan Bold's mailbox (ground floor Euclides).

Exercise 1 (9 points).

In the lecture, we discussed six ways of classifying sciences: I. according to the ontological character of the subject matter, II. according to the character of the scientific statements, III. according to their epistemology, IV. pragmatic, V. sociological, and VI. historical.

Use these classification schemes to collect arguments for the following statements (even if you think they are not true):

- "Mathematics is not a natural science." (3 points)
- "Applied logic is a natural science." (3 points)
- "Logic is a social science." (3 points)

Exercise 2 (8 points).

Choose two senior staff members of the ILLC (listed on the ILLC webpage as "senior staff"; not including the teacher of *Core Logic*) and give a brief description of their academic background (2 points each).

Describe each of them with one discipline ("computer scientist", "mathematician", "philosopher" etc.) and give arguments for both why this description is fitting and why it doesn't fit 100% (2 points each).

Exercise 3 (5 points).

Find an ILLC PhD student who has an office in the Faculty of Humanities (*Nieuwe Doelenstraat*) but whose pre-PhD background could be described as a "science background". Give background information and arguments for your choice (2½ points).

Find an ILLC PhD student who has an office in the Euclides building (*Plantage Muidergracht* 24) but whose pre-PhD background could be described as a "humanities background". Give background information and arguments for your choice (2½ points).