



# Core Logic

2007/2008; 1st Semester  
dr Benedikt Löwe

## Homework Set # 1

Deadline: September 12th, 2006

Homework can be handed in

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

### Exercise 1 (6 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)
- “Logic is a social science.” (3 points)

### Exercise 2 (4 points).

- (1) Find a mathematical journal that has the word “logic” in the title. Give an argument for the classification of the journal as “mathematical” (2 points).
- (2) Find a computer science journal that lists “logic” in its official journal description but doesn't have “logic” in the title. Give an argument for the classification of the journal as a “computer science journal” (2 points).

### Exercise 3 (6 points).

Find two senior staff members of the ILLC (listed on the ILLC webpage as “senior staff”). The first one should be classifiable as a “linguist”, the second one as a “computer scientist”. Give a brief description of their academic background (1 point each) and argue for their classification as “linguist” and “computer scientist” (2 points each).

### Exercise 4 (6 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 (3 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 (3 points).