

PHILOSOPHY OF COMPUTER SCIENCE, CD5650

Code: CD5650

Swedish points: 5

ECTS credits: 7.5

Lecture hours: 22 hours

Laboratory hours: (in-class discussions) 10 hours, seminar (mini-conference) 5 hours

Study period: 3

Level: advanced (specialized) (D-level/PhD course)

Location: Västerås

Examination: Written examination (research paper), lecture notes

Language: English

Prerequisites: At least 120 university course points.

Course content: The course objective is to give the future researchers in the fields of Computer Science and Engineering/Informatics/Computing new insights into the meaning of their own research within the broader context and to examine its significance for other disciplines.

We study the question of the scientific ideal of today, explore the philosophical grounds of the computing and its methods and compare to the actual praxis.. The aim is to address the basic questions of scientific foundations of the research area, its methodology, applications and value system - within the framework of the emerging Philosophy of Computing and Information and through the lectures of eminent guest lecturers.

The course is designed as a combination of a series of seminars and distance study. We meet three times, with start on Thursday morning and finish on Friday afternoon.

Lectures are combined with group discussions. The time between meetings is used for self study and paper writing.

Contact person: Gordana Dodig-Crnkovic, IDt; e-mail gordana.dodig-crnkovic@mdh.se

Course web page: http://www.idt.mdh.se/~gdc/04_PI/index.html

Literature: The Blackwell Guide to the Philosophy of Computing and Information (Blackwell Philosophy Guides), Luciano Floridi (Editor)

<http://www.blackwellpublishing.com/pci/book.htm>