LECTURES AND EXERCISES

- Martti Juhola:
  - advanced study course 5 ECTS
  - lectures on Tuesday at 10 - 12, in Main Building C8 from the 17th January to the 21st February, and
  - on Wednesday at 10 - 12, in Main Building C8 from the 18th January to the 22nd February
  - 12 lectures, 24 h
- Jyrki Rasku:
  - weekly exercises in C8, on Thursday at 12 - 14, from the 26th January to the 23rd February
  - 5 times, 10 h

To pass the course:
- (1) At least 30% of weekly exercises have to be completed; additional scores can be obtained when one makes more of all weekly exercises than 30 %
- Additional scores [0,5] are given as follows: exercises completed ≥ 30 %: 0; ≥ 41 %: 1; ≥ 52 %: 2; ≥ 63 %: 3; ≥ 74 %: 4; ≥ 85 %: 5 scores.
- (2) The examination is passed, when its scores are obtained from [12,30]; exercise scores are added to the examination scores.
- Examinations: the 16th March at 16-20 and 7th April, 2017, at 10-14, in D10a +b.

Literature:
- Mainly: Jeff Heaton, Artificial Intelligence for Humans, Volume 3: Deep Learning and Neural Networks, Heaton Research, Inc., USA, 2015
- Some journal articles.
NOTES

- The content of the current course considers several neurocomputing algorithms by giving an introduction to this extensive area. Other types of machine learning algorithms were introduced in the course of Machine Learning Algorithms (spring term 2016, next probably in 2018). Preprocessing is not dealt with almost at all since it was included in the course of Data Mining (2016, next 2018). When this is the first presentation of the current course, some inaccuracy may appear.