

Roster and organisation

The course consists of lectures, homeworks and labs:

- The lectures are in person and introduce the material
- The homeworks are theoretical exercises that allow you to get more familiarity with, and in-depth understanding of, the material. These are done in groups and graded.
- The labs are computer-based exercises to give you hands-on experience with the algorithms and techniques that are discussed in the lectures. These are not graded, and we use a hybrid setup for these: either physically or on-line. There are two sessions on Thursdays; you can choose which one to attend depending on your availability and other courses you may take. The TAs will be physically present during the morning lab to answer your questions, and will also be monitoring the on-line session in the afternoon to answer questions of those who participate remotely.

Topics are fixed but the schedule may change due to unforeseen circumstances:

Week	Topic	Lecturer	Reading material
1	Introduction	Gwenn	Bishop Ch 1, Notes Ch 1&2
2	Linear Models	Gwenn	Bishop Ch 4, Notes Ch 3&4
3	Neural Networks	Decebal	Bishop Ch 5, Notes Ch 8
4	Deep Learning	Decebal	Bishop Ch 5, Notes Ch 8
5	Support Vector Machines	Elena	Bishop Ch 6 and Section 7.1
6	Probabilistic Models	Gwenn	Bishop Ch 4 until 4.4
7	Decision Trees	Elena	Handouts
8	Dimensionality Reduction	Elena	Bishop Section 12.1
9	Catch up & preparation exam		
10	Exam		