After completing the course, student:

1. Can define data mining problems.
2. Knows the methods of classification, regression, clustering and dimensionality reduction.
3. Can choose appropriate method for a problem.
4. Can evaluate the quality of the model.
5. Can transform data into the form appropriate for data mining.
6. Can use data mining software.
7. Is familiar with example problems from the fields of business- and physical systems.
8. Is familiar with the problems and tools for analyzing big data.

Grading method	**Criteria**
Semesters work (2., 4., 5., 6., 7., 8.)	Solving exercises and completing tests gives points. Maximal number of points for semesters work is 50.
Independent project (1., 2., 3., 4., 5., 6., 8.)	Independent project for analyising an appropriate dataset chosen by the student. Results shoud be presented as an IPython notebook. Gives up to 50 points.
Final grade	Final grade comes from the point sum of semesters work and independent project, according to TUT grading scale: 0 – 50 points – grade 0. 51 – 60 points – grade1. 61 – 70 points – grade 2. 71 – 80 points – grade 3. 81 – 90 points – grade 4. 91 or more points – grade 5.