COURSE DETAIL

PATTERN RECOGNITION

Country
Netherlands

Host Institution
Utrecht University

Program(s)
Utrecht University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
107

UCEAP Course Suffix

UCEAP Official Title
PATTERN RECOGNITION

UCEAP Transcript Title
PATTERN RECOGNITION

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description
This course studies statistical pattern recognition and machine learning. The subjects covered are: general principles of data analysis; over fitting, the bias-variance trade-off, model selection, regularization, the curse of dimensionality; linear statistical models for regression and classification; clustering and unsupervised learning; support vector machines; neural networks and deep learning. Prerequisites include knowledge of elementary probability theory, statistics, multi variable calculus, and linear algebra. This is an advanced level course.

Language(s) of Instruction
English

Host Institution Course Number
INFOMPR

Host Institution Course Title
PATTERN RECOGNITION

Host Institution Campus
Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Information and Computing Sciences

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