Forward Error Correction and Machine Learning

The table below shows a suggested list of courses for a *M.Sc. graduation path* at the ICT Lab. This path has an emphasis on the applications of machine learning techniques in forward error correction[1].

Quartile-Timeslot	Course Code	Course Name	Course type	ECTss
Y1-Q1-A	5CTA0	Statistical signal processing	Core	5
Y1-Q1-B	2DME30	Complex analysis	Core	5
Y1-Q1-C	2DME20	Non-linear optimization	Core	5
Y1-Q1-E2	5CKF0	Research set-up	Prof. Dev.	2.5
Y1-Q2	5CKB0	Tutoring and coaching	Prof. Dev.	2.5
Y1-Q2-B1	5LIG0	Applied combinatorial algorithms	Elective	5
Y1-Q2-C2	5LPA0	Wireless communications	Elective	5
Y1-Q3-A	5XSE0	Applications of information theory	Elective	5
Y1-Q3-B1	5SSC0	Adaptive array signal processing	Specialization	5
Y1-Q3-B2	5SSD0	Bayesian machine learning and information processing	Specialization	5
Y1-Q3/Q4-A	2MMC30	Coding theory	Elective	8
Y1-Q4-D2	5LSK0	Digital wireless communication lab	Elective	5
Y1-Q4-A2	5LSL0	Machine learning for signal processing	Elective	5
Y2-Q1	5M815	Internship SPS	Graduation	15
Y2-Q2,Q3,Q4	5T845	Graduation project SPS	Graduation	45

Core, Professional development, FEC coding and algorithms, Data transmission, Data processing, Graduation

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