Master's Programme in Computer Science – Replacement Courses

If you have already completed the equivalent of one of the mandatory courses in the Computer Science Master's programme, you can apply to take a replacement course instead. Like all mandatory courses, the replacement course must contribute to a broad education in Computer Science. The following list contains the only courses, which are approved to be used as replacement courses.
NOTE: your replacement course cannot be part of your track. For example: If you choose the replacement course *DD2410, Introduction to robotics*, you cannot choose the track *Cognitive systems* where the course is included.
Make sure that you fulfill the necessary prerequisites for the replacement course. You must contact the Master Coordinator with evidence that you have completed the course that corresponds to one of the mandatory courses (transcript and syllabus).

List of courses (grouped according to the period in which they are given):

P1:

DD2257 Visualization 7.5 credits
DD2410 Introduction to Robotics 7.5 credits
DD2421 Machine Learning 7.5 credits
DD2437 Artificial Neural Networks and Deep Architectures 7.5 credits
DD2443 Parallel and Distributed Computing 7.5 credits
DD2452 Formal Methods 7.5 credits (NOTE: only given every other year)
DD2488 Compiler Construction 9.0 credits
ID2201 Distributed Systems, Basic Course 7.5 credits
ID2221 Data-Intensive Computing 7.5 credits[1]
IL2206 Embedded Systems 7.5 credits

P2:

ID2222 Data Mining 7.5 credits [1] [2]
DD2423 Image Analysis and Computer Vision 7.5 credits
IL2230 Hardware Architectures for Deep Learning 7.5 credits
ID2223 Scalable Machine Learning and Deep Learning 7.5 credits [1]
DD2487 Large-Scale Software Development 7.5 credits
EP2500 Networked Systems Security 7.5 credits
DD2360 Applied GPU Programming 7.5 credits

P3:

DD2437 Artificial Neural Networks and Deep Architectures 7.5 credits
IS2202 Computer Systems Architecture 7.5 credits
DD2258 Introduction to Visualization, Computer Graphics and Image/Video Processing 7.5 credits
DD2421 Machine Learning 7.5 credits
DD2480 Software Engineering Fundamentals 7.5 credits
DD2459 Software Reliability 7.5 credits
DD2476 Search Engines and Information Retrieval Systems 9.0 credits (given last time spring 2021)
DD2477 Search Engines and Information Retrieval Systems 7.5 credits
DD2520 Applied Cryptography 7.5 credits
DD2363 Methods in Scientific Computing 7.5 credits
DD2358 Introduction to High Performance Computing 7.5 credits

P4:

DD2482 Automated Software Testing and DevOps 7.5 credits
ID2211 Data Mining, Basic Course 7.5 credits[2]
DH2323 Computer Graphics and Interaction 6.0 credits
DD2372 Automata and Languages 6.0 credits (given last time spring 2022)
DD2373 Automata and Languages 7.5 credits (NOTE: only given every other year)
DD2424 Deep Learning in Data Science 7.5 credits
DD2356 Methods in High Performance Computing 7.5 credits
DD2481 Principles of Programming Languages 7.5 credits

DD2457 Program Semantics and Analysis 6.0 credits (NOTE: only given every other year)
DD2460 Software Safety and Security 7.5 credits
DD2418 Language Engineering 6.0 credits (given last time spring 2021)
DD2417 Language Engineering 7.5 credits

[1] ID2221, ID2222 and ID2223 cannot be combined as replacement courses.
[1 2] ID2211 and ID2222 cannot be combined as replacement courses.