Master's Programme in Computer Science – Replacement Courses

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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. The course has to be completely separate from your track.
Make sure that you fulfill the necessary prerequisites for the replacement course. Please note that some courses are only available to student's admitted to the master's programme.
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
DD2421 Machine Learning 7.5 credits
DD2443 Parallel and Distributed Computing 7.5 credits (only available for students on a master's programme)
DD2452 Formal Methods 7.5 credits (NOTE: only given every other year) (only available for students on a master's programme)
ID2201 Distributed Systems, Basic Course 7.5 credits
ID2221 Data-Intensive Computing 7.5 credits[1]
IL2206 Embedded Systems 7.5 credits

P2:

DD2489 Scalable software Development with Functional Programming 7.5 credits
ID2202 Compilers and Execution Environments 7.5 credits
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]

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 [3]
DH2320 Introduction to Visualization and Computer Graphics 6.0 credits [3]
DD2421 Machine Learning 7.5 credits
DD2480 Software Engineering Fundamentals 7.5 credits
DD2459 Software Reliability 7.5 credits
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 (not given spring 2024)
ID2211 Data Mining, Basic Course 7.5 credits[2] (only available for students on a master's programme)
DH2323 Computer Graphics and Interaction 6.0 credits
DD2373 Automata and Languages 7.5 credits (NOTE: only given every other year)
DD2424 Deep Learning in Data Science 7.5 credits (only available for students on a master's programme)

DD2356 Methods in High Performance Computing 7.5 credits
DD2481 Principles of Programming Languages 7.5 credits
DD2557 Program Semantics and Analysis 7.5 credits (NOTE: only given every other year) (only available for students on a master's programme)
DD2460 Software Safety and Security 7.5 credits (not given spring 2024) (only available for students on a master's programme)
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.
[3] DD2258 and DH2320 cannot be combined in any degree as they overlap.