

Courses taught by CWI researchers (2022-2023), usually as part-time professors at universities

Course overview 2022/2023

Course overview 2022/2023	University	Level	CWI Researchers	CWI group
Quantum computing	Mastermath	MSc	Prof. Ronald de Wolf	A&C
Quantum information Theory	Mastermath	MSc	Dr. Jonas Helsen	A&C
Additive combinatorics	Mastermath	MSc	Dr. Jop Briët	A&C
Interactive virtual environments	TU/e	MSc	Prof. Robert van Liere	CI
Inverse Problems in Imaging	Mastermath	MSc	Dr. Tristan van Leeuwen	CI
Laboratory class scientific computing	UU	MSc	Adriaan Graas MSc	CI
Quantum Information Theory	U Leiden	MSc	Prof. Serge Fehr	CR
Introduction to Cryptography	Mastermath	MSc	Dr. Lisa Kohl	CR
Advanced Data Management for Data Analysis	U Leiden	MSc	Prof. Stefan Manegold	DA
Big Data Infrastructures & Technology	UvA	MBA	Dr. Hannes Mühleisen	DA
Large Scale Data Engineering	VU	MSc	Prof. Peter Boncz	DA
Seminar Selected Topics in Multimedia Computing	TU Delft	MSc	Prof. Pablo Cesar	DIS
Meaningful (Linked) Data Interaction	UU	MSc	Prof. Lynda Hardman	HCDA
Agent-based Energy Markets	TU Delft	BSc	Prof. Han La Poutre	IAS
Multi-Agent Systems	VU	MSc	Dr. Eric Pauwels	IAS
Multi-agent Systems	UU	MSc	Dr. Tim Baarslag	IAS
Evolutionary Algorithms	TU Delft	MSc	Prof. Peter Bosman	LSH
Operations Research I	VU	BSc	Prof. Leen Stougie	LSH
Advanced Linear Programming	Mastermath	MSc	Prof. Leen Stougie	LSH
Fundamentals of Bioinformatics	VU	MSc	Dr. Solon Pissis	LSH
Algorithms in Sequence Analysis	VU	MSc	Dr. Solon Pissis	LSH

Machine Learning Theory	Mastermath	MSc	Dr. Wouter Koolen	ML
Foundations of Statistics and Machine Learning	U Leiden	MSc	Prof. Peter Grünwald	ML
Mathematical Statistics 2	U Leiden	BSc	Prof. Peter Grünwald	ML
Neural dynamics and Deep Learning	UvA	MSc	Prof. Sander Bohté	ML
Semidefinite Optimization	Mastermath	MSc	Prof. Monique Laurent	N&O
Algorithmic Game Theory	UvA	MSc	Prof. Guido Schäfer	N&O
Algorithmic Game Theory	LNMB PhD course	PhD	Prof. Guido Schäfer Prof. Daan Crommelin,	N&O
Uncertainty Quantification	UvA	MSc	Dr. Wouter Edeling	SC
Stochastic decision theory	TU/e	MSc	Prof. B. Zwart	ST
Asymptotic Methods in Queueing Theory	LNMB PhD course	PhD	Prof. B. Zwart	ST
Stochastic Networks	UvA	MSc	Prof. R. Núñez Queija	ST
Statistics for Forensic Science	UvA	MSc	Prof. R. Núñez Queija	ST
Mathematics 1 for Chemical Sciences	UvA	BSc	Prof. R. Núñez Queija	ST
Performance of Networked Systems	VU	MSc	Prof. Rob van der Mei	ST
Emergency Services Logistics	GP OML BETA PhD course	PhD	Prof. Rob van der Mei	ST
Software Language Engineering	RUG	BSc	Prof. Tijs van der Storm	SWAT

CWI works closely with universities

As a national centre for mathematics and computer science with a focus on scientific research, CWI aims at collaboration with the universities in the Netherlands, for instance through part-time professorships for (usually) one day a week. Currently, more than thirty CWI researchers hold part-time appointments at nine Dutch universities. By teaching and supervising students in MSc-projects or during a CWI internship, they contribute to the education of young mathematicians and computer scientists. In this way, CWI's research is linked to education and training at Dutch universities. See: [more information on CWI and universities](#).