

Code	Implementation name	Scope (cr)	Teaching period in 2025-26	Teachers for the implementation	Languages of instruction	Mode of teaching	Open university studies	Open to exchange students	Open to students of other degree programmes
CSM12101	Design and Analysis of Algorithms	5 cr	1. period	Mäkinen Veli	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM13109	Networking Technologies	5 cr	1. period	Kojo Markku	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM14101	Software Architectures	5 cr	1. period	Tuovinen Antti-Pekka	English	includes both contact and distance teaching (aka. blended teaching)	The teaching is only for degree students.	yes	yes
CSM13202	Cryptography in Networking (self-study)	5 cr	1. period	Niemi Valtteri	English	online teaching (not time-bound); one lecture on-site	The teaching is only for degree students.	yes	yes
CSM11006	Computer Science Project	5 cr	1.-2. period	Nurminen Jukka	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM14303	Seminar on Big Data Management	5 cr	1.-2. period	Lu Jiaheng	English	distance teaching (time-bound)	The teaching is only for degree students.	yes	yes
CSM14107	Seminar in Empirical Software Engineering	5 cr	1.-2. period	Männistö Tomi	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM14122	Seminar on Rust	5 cr	1.-2. period	Alanko Jarno;Puglisi Simon	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM12131	Seminar on Parameterised Algorithms and Complexity	5 cr	1.-2. period	Harviainen Juha	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM12132	Seminar on Graph Algorithms	5 cr	1.-2. period	Schmidt Sebastian	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM11002	Computer Science Colloquium	5 cr	1.-4. period	Koivisto Mikko	English	contact teaching	The teaching is only for degree students.	no	no
CSM13111	Developing the Artificial Intelligence of Things	5 cr	1.-4. period	Agustin Zuniga, Ngoc Thi Nguyen, Petteri Nurmi	English	includes both contact and distance teaching (aka. blended teaching)	The teaching is only for degree students.	yes	yes
CSM13001	Distributed Systems	5 cr	2. period	Niklander Tiina	English	contact teaching	The teaching is both for degree students and open university students.	yes	yes
CSM12103	Data Compression Techniques	5 cr	2. period	Kärkkäinen Juha, Puglisi Simon	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM13105	Introduction to the Internet of Things	5 cr	2. period	Nurmi Petteri	English	contact teaching	The teaching is both for degree students and open university students.	yes	yes
CSM14102	Methods for Software Engineering Research	5 cr	2. period	Männistö Tomi	English	contact teaching	The teaching is only for degree students.	no	no
CSM13401	Human Computer Interaction	5 cr	2. period	Kytö Mikko	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM13403	Seminar on Advanced Topics in Human Computer Interaction	5 cr	2. period	Jacucci Giulio	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM12126	Randomised Algorithms	5 cr	3. period	Koivisto Mikko	English	contact teaching	The teaching is both for degree students and open university students.	yes	yes
CSM14103	Software Architecture Project	5 cr	3. period	Tuovinen Antti-Pekka	English	includes both contact and distance teaching (aka. blended teaching)	The teaching is only for degree students.	yes	yes
CSM14204	Compilers	5 cr	3. period	Pärtel Martin	English	contact teaching	The teaching is both for degree students and open university students.	yes	yes
CSM14120	Software Evolution and Reliability	5 cr	3. period	Mäntylä Mika	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM14211	Introduction to the Programming of Quantum Computers	5 cr	3. period	Nurminen Jukka	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM14102	Methods for Software Engineering Research (self-study)	5 cr	3.-4. period	Männistö Tomi	English	online teaching (not time-bound)	The teaching is only for degree students.	no	no
CSM12117	Seminar on Computational Musicology	5 cr	3.-4. period	Lemström Kjell	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM12127	Seminar on Data Management for Machine Learning	5 cr	3.-4. period	Mathioudakis Michael	English	includes both contact and distance teaching (aka. blended teaching)	The teaching is both for degree students and open university students.	yes	yes
CSM13183	Seminar on the Internet of Things	5 cr	3.-4. period	Nurmi Petteri;Sarhaddi Fatemeh	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM132821	Seminar: Advanced Topics in Networking	5 cr	3.-4. period	Kojo Markku	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM14121	Seminar in Software Quality	5 cr	3.-4. period	Mäntylä Mika	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM12114	Automated Logical Reasoning	5 cr	4. period	Järvisalo Matti	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM13107	Data Science for the Internet of Things	5 cr	4. period	Zaidan Martha Arbayani	English	contact teaching	The teaching is only for degree students.	yes	yes

CSM14305	Data Warehousing and Business Intelligence	5 cr	4. period	Lu Jiaheng	English	includes both contact and distance teaching (aka. blended teaching)	The teaching is only for degree students.	yes	yes
CSM11006	Computer Science Project	5 cr	4. period	Nurminen Jukka	English	contact teaching	The teaching is only for degree students.	yes	yes
CSM131051	Introduction to the Internet of Things MOOC	4 cr	open all year round	Zuniga Corrales Agustin	English	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM132041	Cyber Security Base: Advanced Topics	3 cr	open all year round	Tatti Nikolaj	English	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM132042	Cyber Security Base: Course Project II	1 cr	open all year round	Tatti Nikolaj	English	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM132043	Cyber Security Base: Capture The Flag	1 cr	open all year round	Tatti Nikolaj	English	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM141081	Full Stack Web Development	5 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM141082	Full Stack Web Development, extension 1	1 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM141083	Full Stack Web Development, extension 2	1 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM141084	Full Stack Web Development: Containers	1 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM14110	Full Stack Web Development: TypeScript	1 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM14111	Full Stack Web Development: React Native	2 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM14112	Full Stack Web Development: Continuous Integration	1 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM14113	Full Stack Web Development: GraphQL	1 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM14114	Full Stack Web Development: Relational Databases	1 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM141091	Full Stack Web Development Project	5 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM141092	Full Stack Web Development Project	7 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM141093	Full Stack Web Development Project	10 cr	open all year round	Luukkainen Matti	English, Finnish	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes
CSM14212	Programming Parallel Computers	5 cr	open all year round	Laaksonen Antti	English	online teaching (not time-bound)	The teaching is only for degree students.	yes	yes
CSM131052	Introduction to the Internet of Things MOOC EXAM	1 cr		Zuniga Corrales Agustin	English	online teaching (not time-bound)	The teaching is both for degree students and open university students.	yes	yes