

CHANGES IN THE EE CURRICULUM FOR THE ACADEMIC YEAR 2022-2023

Courses with a changed timeslot and/or quartile in 2022-2023			
Course code	Course name	Quartile & timeslot	BSc or MSc
5XSLO	Fundamentals of machine learning	Q2, timeslot A (was Q4, timeslot D)	Bachelor
5XFAO	DBL Rock your baby	Q2, timeslot C & D (was Q2, timeslot D)	Bachelor
5CKFO	Research set-up	Q1, timeslot E2 & Q3, timeslot D2 (was Q1, timeslot E2 & Q3, timeslot E2)	Master
5LIAO	Embedded visual control	Q4, timeslot A1 (was Q4, timeslot A)	Master
5LIDO	Systems on silicon	Q4, timeslot A2 (was Q4, timeslot A)	Master
5LIHO	Digital integrated circuit design	Q2, timeslot E (was Q2, timeslot E1)	Master
5LIPO	Digital integrated circuits: fundamentals	Q2, timeslot E (was Q2, timeslot E1)	Master
5LSEO	Techniques for video compression & analysis	Q2, timeslot C1 (was Q3, timeslot C)	Master
5SPDO	Electromagnetic modeling techniques	Q3, timeslot C1+C2 (was Q3, timeslot C1)	Master
5ARA0	Software engineering for artificial intelligence	Q1, timeslot D2 (was Q3, timeslot D2)	Master
5CTA0	Statistical signal processing (Q1 is for master students EE, Q3 is for master student AI&ES)	Q1, timeslot A & Q3, timeslot B (was Q1, timeslot A)	Master

Deleted: these courses are deleted from the curriculum and will not be taught as of 2022-2023	
Course code	Course name
5XWDO	OGO project energy management in hybrid vehicles: contact dr. Vladimir Cuk for arranging a resit
5LEDO	Smart grid operation through ICT: resit written exam will be scheduled in exam weeks Q3
5LFAO	Low power health electronics: contact dr.ir. Pieter Harpe for arranging a resit
5SEBO	Decentral power generation and active networks: resit written exam will be scheduled in exam weeks Q2
5SECO	Planning and operation of power systems: contact prof.dr.ir. Han Sloopweg for arranging a resit
5SHBO	Photonic integration: technology and characterization: resit written exam will be scheduled in exam weeks Q3

On hold: these courses are on hold and will not be taught in 2022-2023	
Course code	Course name
5XICO	OGO Electronic systems engineering: contact prof.dr.ir. Twan Basten for arranging a resit

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5LIFO	Advanced digital circuit design: contact dr.ir. Roel Jordans for arranging a resit
5LMDO	Selected topics in systems and control: contact prof.dr.ir. Hans Butler for arranging a resit
5LMFO	Control challenges in autonomous racing: contact dr.ir. Sofie Haesaert for arranging a resit

New courses: these courses will be taught for the first time in 2022-2023					
Course code	Course name	Quartile & timeslot	BSc or MSc	ECTS	Remarks
5XCCO	Biopotential and neural interface circuits	Q3, timeslot E	Bachelor	5	Elective
5XIFO	Neuro computation	Q4, timeslot D	Bachelor	5	Elective
5XSMO	MRI for the brain	Q2, timeslot E	Bachelor	5	Elective
5XSNO	Monitoring brain functions in healthcare	Q4, timeslot E	Bachelor	5	Elective
5XWGO	Power system computation and simulation	Q4, timeslot C	Bachelor	5	Elective
5SHCO	Microfabrication technology	Q3, timeslot C2	Master	5	Replaces 5SHB0 as PHI spec.
5LHCO	PIC characterization	Q4, timeslot C2	Master	5	Elective
5SEDO	Electrical energy systems in transition	Q2, timeslot C2	Master	2,5	Replace 5SEB0 and 5SEC0 as EES-1 specialization
5SEEO	Planning & operation of electrical power systems	Q2, timeslot D2	Master	2,5	
5SEFO	Smart grids, ICT and electricity markets	Q3, timeslot D2	Master	5	
5LENO	Power system stability and dynamics	Q4, timeslot C1	Master	2,5	Elective
5LEPO	Electricity markets: modeling and optimization	Q3, timeslot A2	Master	2,5	Elective

Other changes in education
A new coherent package Neuro system design will be offered for the first time in the academic year 2022-2023. This coherent package contains the courses 5XSL0, 5XCC0 and 5XIF0.
The coherent package Smart & sustainable society has been updated. The new name of this coherent package is Electrical power conversion and delivery . This coherent package contains the courses 5APA0, 5XWGO and 5XWA0 for students of the major EE and the courses 5EWB0, 5XWGO and 5XWA0 for students of the major AT.
The coherent package Electric and hybrid vehicles will no longer include the course 5XWD0 starting in the academic year 2022-2023.
The coherent package System design and analysis will not include the course 5XIC0 in the academic year 2022-2023.
The new master program Artificial Intelligence & Engineering Systems will start in the academic year 2022-2023.