

Autumn 2022

School of Innovation, Design and Engineering

Course code	Course name	ECTS	Level - see bottom page for explanation	Study-periods				Study pace	Campus V - Västerås E - Eskilstuna
				1		2			
				a	b	a	b		
Computer Science									
CDT204	Computer Architecture	7,5	G1F	K2	K2			50%	V
CDT402	Distributed Software Development	7,5	A1N	K4	K4	K4	K4	25%	V
CDT414	Software Verification and Validation	7,5	A1N			K3	K3	50%	V
DVA117	Programming	7,5	G1N			K1+K3	K1+K3	50%	V
DVA222	Object Oriented Programming	7,5	G1F	K2	K2			50%	E
DVA231	Development of web applications	7,5	G1F	K1	K1			50%	V
DVA232	Programming Mobile Applications	7,5	G1F			K1	K1	50%	V
DVA241	Distributed Systems	7,5	G1F		K2			100%	V
DVA257	Internet of Things, Data communication and Security	7,5	G1F			K4	K4	50%	E
DVA313	Software Engineering 2: Project teamwork	7,5	G2F			K1	K1	50%	V
DVA332	Software Engineering 1: Basic Course	7,5	G2F	K1	K1			50%	V
DVA332	Software Engineering 1: Basic Course	7,5	G2F			K1	K1	50%	E
DVA336	Parallell Systems	7,5	G2F			K2+K5	K2+K5	50%	V
DVA337	Formal Languages, Automata and Theory of Computation	7,5	G2F	K3	K3			50%	V
DVA339	Compiler Theory	7,5	G2F			K3	K3	50%	V
DVA493	Learning Systems	7,5	A1N			K3	K3	50%	V
DVA437	Safety Critical Systems Engineering	7,5	A1N			K2	K2	50%	V
DVA444	Industrial Systems in Cloud Computing	7,5	A1N	K5	K5			50%	V
DVA454	Embedded systems I	7,5	A1N	K1+K5b	K1+K5b			50%	V
DVA463	Research methods in Computer Science	7,5	A1N	K3	K3			50%	V
DVA474	Project in Advanced Embedded Systems	30	A1F	X	>	>	>	100%	V
DVA482	Embedded systems II	7,5	A1F			K1	K1	50%	V

DVA489	Web security	7,5	A1N	K2	K2	K5	K5	25%	V
Electronics									
ELA210	Measurement Technique	7,5	G1F	K4	K4			50%	V
ELA410	Control Theory	7,5	A1F	K3	K3			50%	V
ELA411	Neurotechnology	7,5	A1F			K1	K1	50%	V
Innovation Management									
INO402	Innovation and Creativity Management	7,5	A1N			K2	K2	50%	E
Information Design									
ITE329	Multimodal Information Design	15	G2F			X	>	100%	E
ITE400	Project Course in Co-creation from a Human Centered Design Perspective	7,5	A1N	K1	K1			50%	E
ITE416	Communication in complex organizations	7,5	A1F			K1	K1	50%	E
ITE423	Challenges in Innovation and Design	15	A1N	K1+K3	K1+K3			100%	E
ITE424	Project Management in Innovation and Design	7,5	A1N			K1	K1	50%	E
ITE429	Research Methods in Innovation and Design 1	7,5	A1N			K3	K3	50%	E
Product and Process Development									
PPU415	Scientific theory and method	7,5	A1N			K2	K2	50%	E
PPU419	Production System Development	7,5	A1F	K4	K4			50%	E
PPU420	Maintenance and dependability	7,5	A1F			K1	K1	50%	E
PPU311	Simulation of Production systems	7,5	G2F	K3	K3			50%	E
PPU439	Advanced product development	7,5	A1F			K3	K3	50%	E
PPU442	Big Data and Machine Learning on Cloud Platform for Industrial Applications	7,5	A1F			K1	K1	50%	E
PPU446	Industrial Internet of Things for Manufacturing Industry	7,5	A1F	K1	K1			50%	E
PPU457	Industrial Excellence	7,5	A1F			K3+K5b	K3+K5b	50%	E

Collision codes:

K1= Classes Monday afternoon + Wednesday morning

K2= Classes Monday morning + Thursday morning

K3= Classes Tuesday morning + Thursday afternoon

K4= Classes Tuesday afternoon + Friday morning

K5= Classes Wednesday afternoon + Friday afternoon (**K5a=** Wed afternoon, **K5b=** Fri afternoon)

X= No collision code

Please note that two courses with the same collision code, taught in the same study period, can not be combined.

Levels:

G1N= The course has only upper secondary education requirements

G1F= The course has less than 60 credits at basic level as pre-requisites

G2F= The course has at least 60 credits at basic level as pre-requisites

A1N= Advanced level - the course has courses at undergraduate level as pre-requisites

A1F= Advanced level - the course has advanced courses as pre-requisites

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