Spring 2022

School of Innovation, Design and Engineering

Course code	Course name	ECTS	Level - see bottom page for explanation	Study-periods 1 a	Study-periods 1 b	Study-periods 2 a	Study-periods 2 b	Study pace	Campus V - Västerås E - Eskilstuna
Computer Science									
CDT406	Applied Artificial Intelligence	15	A1F			K4	K4	100%	V
DVA255	Artificial Intelligence 2	7,5	G1F			K2	K2	50%	E
DVA260	Smart digital platforms: cloud computing, security and big-data	7,5	G1F	K4	K4			50%	E
DVA338	Fundamentals of Computer Graphics	7,5	G2F			K1	K1	50%	V
DVA340	Artificial Intelligence	7,5	G2F	K4	K4			50%	V
DVA400	Industrial Robotics	7,5	A1F	K1	K1			50%	V
DVA435	Project in intelligent embedded systems	15	A1F			X	>	100%	V
DVA436	Model-Driven Engineering	7,5	A1N			K2	K2	50%	V
DVA439	Intelligent Systems	7,5	A1F	K3	K3			50%	V
DVA449	Advanced component-based software engineering	7,5	A1N	K5	K5			50%	V
DVA452	Programming of Reliable Embedded Systems	7,5	A1F	K2	K2			50%	V
DVA455	Software Development for Real-Time Systems	7,5	A1N			K4	K4	50%	V
DVA484	Model-Based Development for Dependable Systems	7,5	A1N			K2	K2	50%	V
DVA485	Design of autonomous systems	7,5	A1F	K1+K3	K1+K3			50%	V
DVA488	Software Architecture	7,5	A1N	K1	K1			50%	V
DVA423	Thesis for the degree of Master of Science (60 credits) in computer Science with Specialization in **Software Engineering**	15	ICM or double degree students only	X	>	>	>	50%	V
DVA428	Thesis for the degree of Master of Science (60 credits) in computer Science with Specialization in **Embedded systems**	15	ICM or double degree students only	X	>	>	>	50%	V
Electronics									
CEL307	Project course in electronics	15	G2F	X	>			100%	V
CEL307	Project course in electronics	15	G2F			X	>	100%	V
CEL405	Project course in electronics	15	A1N	X	X	X	X	50%	V
CEL406	Project course in electronics	7,5	A1N	X	>			50%	V
CEL406	Project course in electronics	7,5	A1N			X	>	50%	V
ELA001	Project course in electronics	7,5	G2F	X	>			50%	V
ELA001	Project course in electronics	7,5	G2F			X	>	50%	V
ELA305	Robust Electronics for Dependable Systems	7,5	G2F			K1+K5a	K1+K5a	50%	V

ELA400	Sensor Technique	7,5	A1N			K4	K4	50%	V
ELA402	Biomedical Engineering	7,5	A1N	K1+K5	K1+K5			50%	V
ELA408	Mobile Robotics	7,5	A1F			K3	K3	50%	V
ELA412	Advanced Signal Processing	7,5	A1N	K1	K1			50%	V
Information Design									
ITE420	Project Methodology in Innovation and Design	15	A1N	K1	K1	K3	K3	50%	E
ITE425	Early Phases in Innovation and Design	7,5	A1F	K3	K3			50%	E
ITE426	Research methods in Innovation & Design 2	7,5	A1F			K1	K1	50%	E
Product and Process Development									
PPU217	Introduction to Industry 4.0	7,5	G1F			K3	K3	50%	E
PPU407	Applied Operations Research and Logistics	7,5	A1F	K1	K1			50%	E
PPU436	Industrial Process Development	7,5	A1N			K2	K2	50%	E
PPU447	Visualization for Industry 4.0	7,5	A1F	K4	K4			50%	E
PPU448	Supply Chain Management	7,5	A1F			K1	K1	50%	E
PPU456	Design of Products for Circular Business Models	7,5	A1N	K4	K4			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 collission 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