



MÄLARDALEN UNIVERSITY
SWEDEN

Course Overview for 2022/2023
AMM13

Course Overview for the Master's programme in Environmental engineering for Sustainable Development, 120 credits

Programme code: AMM13

Valid for the academic year 2022/2023

This is a translation of the original course overview in Swedish which has been examined and approved by the study director at School of Business, Society and Engineering, 2022-03-07

About the course overview

Each programme has educational plan, i.e. programme syllabus in which all the courses included in the programme are shown and divided into academic semesters.

The programme syllabus is updated annually with a course overview entailing all the courses of the programme, academic period that those courses are given, specifying in which campus and city the courses are taught, and demonstration whether it collides with another course etc. The course overview is valid for one academic year at a time.

Courses that belong to the main disciplinary of the degree have been marked with an "X" in the column HO.

In the column "pg/comp" "pg" indicates that students belong to the programme have guaranteed admission to the course for that particular study period and that programme semester. In the column "comp" indicates that the students belong to the programme are applying in competition with all the other programme students at MDH.



Level and Classification of Progressive Specialization

The University uses the following terms for the classification of progressive specialization, where “G” indicates that the course belongs to a programme at the first-cycle level and “A” that the course belongs to a programme at the second-cycle level:

- G1N course with only upper secondary school entry requirements
- G1F course with less than 60-credit course/courses at first-cycle level as entry requirements
- G1E course including a specially-designed degree project for a higher education diploma
- G2F course with at least 60-credit course/courses at first-cycle level as entry requirements
- G2E course with at least 60-credit course/courses at first-cycle level as entry requirements and which includes a degree project for a Bachelor’s degree
- GXX course which cannot be classified according to the above model
- A1N course with only course/courses at first-cycle level as entry requirements
- A1F course with course/courses at second-cycle level as entry requirements
- A1E course which includes a degree project for a Master’s degree (60 credits)
- A2E course which includes a degree project for a Master’s degree (120 credits)
- AXX course which cannot be classified according to the above model

Other information

All the courses in the programme are taught in English.



Semester 1 and 2 of the programme starting with the autumn semester 2022

HO	Title/Course name	Course code	Level/ Specialisation	Credits	Study periods								pg/ comp	Rate of study, form of study, city
					Fall semester period 1		Fall semester period 2		Spring semester period 1		Spring semester period 2			
					a	b	a	b	a	b	a	b		
	Business Administration													
X	Climate change and energy; past, present, future	MTK347	A1N	7,5	X	X							Pg	Part time, Distance
	Applied mathematics for environmental engineers	MAA041	G1F	7,5	X	X							Pg	Part time, Distance
X	Atmospheric pollution and air quality	MTK326	A1N	7,5			X	X					Pg	Part time, Distance
X	Applied statistics in engineering	MTK327	A1N	2,5			X	X					Pg	Part time, Distance
X	Research methodology in environmental engineering	MTK328	A1N	5			X	X					Pg	Part time, Distance
X	Fresh water treatment and management	MTK329	A1N	7,5					X	X			Pg	Part time, Distance
X	Sustainable cities and infrastructure	MTK330	A1N	7,5					X	X			Pg	Part time, Distance
X	Sustainable production and consumption	MTK331	A1N	7,5							X	X	Pg	Part time, Distance
X	Resource recovery and solid waste management	MTK332	A1N	7,5							X	X	Pg	Part time, Distance

Semester 3 and 4 of the programme starting with the autumn semester 2021

HO	Rubrik/kursnamn	Kurskod	Nivå/ fördjupning	Högskolepoäng	Läsperioder								pg/ konk	Studietakt, ort
					HT1		HT2		VT1		VT2			
					a	b	a	b	a	b	a	b		
	Miljöteknik													
X	Environmental Economics	MTK333	A1N	2,5	X	X							Pg	Part time, Distance
X	Industrial Dynamics	MTK334	A1N	2,5	X	X							Pg	Part time, Distance
X	Circular Economy in Context of Environmental Engineering	MTK335	A1N	2,5	X	X							Pg	Part time, Distance
X	Digital Remote Sensing and GIS in Environmental Engineering	MTK336	A1N	7,5	X	X							Pg	Part time, Distance
X	Multivariate Data Analysis in Engineering	MTK337	A1N	7,5	X	X							Pg	Part time, Distance
X	System Modelling in Environmental Engineering	MTK338	A1N	7,5	X	X							Pg	Part time, Distance



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X	Humanitarian Engineering	MTK339	A1F	7,5			X	X					Pg	Part time, Distance
X	Biomass Utilization and Conversion	MTK340	A1F	7,5			X	X					Pg	Part time, Distance
X	Real-time Analysis in Environmental Engineering	MTK341	A1F	7,5			X	X					Pg	Part time, Distance
X	Wastewater Treatment and Management	MTK342	A1F	7,5			X	X					Pg	Part time, Distance
X	Degree Project in Environmental engineering	MTK343	A2E	30					X	X	X	X	Pg	Full time, Distance