

SYLLABUS

STUDY YEAR 2015/2016

Master Programme in Waste Management

Enrollment semester Autumn 2014

DATE

2014-10-14

DECISION MAKER

Chef utbildning- och forskningsenheten

Programme content and structure

Master of Science in Waste Management, (120 ECTS), provides engineering expertise primarily in the field of Waste Science and Technology, and Environmental Engineering. Basic courses and core courses are required for a Master of science degree. Courses on advanced level (including master thesis) shall constitute at least 90 ECTS, whereof at least 60 ECTS within the main study area of Natural Resources Engineering.

Credits

120 credits

Degree

- Degree of Master of Science (120 credits) - Major; Natural Resources Engineering with specialisation Waste Science and Technology

Entry requirements

Bachelors degree of minimum 180 ECTS with at least 60 ECTS in the area of Physics, Chemistry, Biology, Geology, Planning or similar. At least 22,5 credits in Mathematics at university level is required.

Documented skills in English language. <http://www.ltu.se/edu/bli-student/Application-process/English-language-requirements-1.109316?l=en>

Selection

The selection procedure is based on academic qualifications, quality and quantity aspects

Selection group

Academic: 100%

Compulsory courses

Compulsory courses 97.5 credits

Course code	Course	Cr	Level	Comment
A0013B	Waste Science and Technology	7.5	Bachelor's level	
A7001B	Landfill Technology	7.5	Master's level	
A7005B	Environmental Engineering Microbiology	7.5	Master's level	
A7006B	Risk Assessment and Remediation of Contaminated Land	7.5	Master's level	
A7007B	Senior design projekt in Waste Science, advanced	7.5	Master's level	
A7010B	Waste Management	15	Master's level	
F7010T	Fuels, Combustion and Gasification Technology	7.5	Master's level	
V0017B	Natural Water Transport Processes	7.5	Bachelor's level	
X7010K	Degree project in Waste Management, Master	30	Master's level	

Optional courses 22.5 credits

Selective space is 22.5 credits. It is mandatory to select elective courses up to the given number of credits. The given number of credits of elective courses listed must be met for degree.

Course code	Course	Cr	Level	Comment
A7008B	Senior design projekt in Waste Science, advanced	15	Master's level	Selectable
B0004K	Unit Operations	7.5	Bachelor's level	Selectable
B0007K	Organic Chemistry and Biochemistry	7.5	Bachelor's level	Selectable
F0040T	Sustainable Energy systems	7.5	Bachelor's level	Selectable
K0010K	Physical Chemistry	7.5	Bachelor's level	Selectable
L7013K	Geochemical Modelling	7.5	Master's level	Selectable
L7016K	Mine Waste	7.5	Master's level	Selectable
V7002B	Urban Stormwater Management	7.5	Master's level	Selectable

Study schedule

Year of study 1 Enrollment semester Autumn 2014, Is offered in 2014/2015

Study-period	Course code	Course	Cr	Comment
1	A0013B	Waste Science and Technology	7.5	
1	A7007B	Senior design projekt in Waste Science, advanced	7.5	
2	F7010T	Fuels, Combustion and Gasification Technology	7.5	
2	V0017B	Natural Water Transport Processes	7.5	
3	A7005B	Environmental Engineering Microbiology	7.5	
3-4	A7010B	Waste Management	15	
4	L7016K	Mine Waste	7.5	Selectable
4	V7002B	Urban Stormwater Management	7.5	Selectable

Year of study 2 Enrollment semester Autumn 2014, Is offered in 2015/2016

Study-period	Course code	Course	Cr	Comment
1	A7006B	Risk Assessment and Remediation of Contaminated Land	7.5	
1	B0007K	Organic Chemistry and Biochemistry	7.5	Selectable
1	F0040T	Sustainable Energy systems	7.5	Selectable
1-2	A7008B	Senior design projekt in Waste Science, advanced	15	Selectable
2	A7001B	Landfill Technology	7.5	
2	B0004K	Unit Operations	7.5	Selectable
2	K0010K	Physical Chemistry	7.5	Selectable
2	L7013K	Geochemical Modelling	7.5	Selectable
3-4	X7010K	Degree project in Waste Management, Master	30	