

## FACULTY OF ENGINEERING SCIENCE AND TECHNOLOGY

### MSC-PROGRAMME IN INDUSTRIAL ECOLOGY (MSINDECOL)

Term 1, 2

Term 3 and 4 (2014/15)

Ex	Subject no	Subject title	Note	Cr
		<b>Compulsory courses</b>		
1h	TEP4223	LIFE CYCLE ASSESS		7,5
1h	TEP4275	INDUSTRIAL ECOLOGY		7,5
1h	TEP4285	MATERIAL FLOW ANALYS		7,5
1h	TI04265	STRATEGIC MANAGEMENT		7,5
1v	-	EXP IN TEAM INT PROJ		7,5
1v	S0K1101	ENVIRONM RESOURCE		7,5
		<b>Optional courses</b>	1	
1v	TEP4220	ENERGY/ENV CONSEQUEN	2	7,5
1v	TEP4290	MODEL BUILT ENV SYST		7,5
1v	TI05215	GLOB GOV SUST SUPPLY	3	7,5
1v	TPD5100	SUS PROD DES AC	4	7,5
1v	POL1003	POLITICS ENVIRONMENT	5	7,5
1v	POL3004	RESEARCH DESIGN	5,6	7,5
		<b>Optional courses</b>	1	
2h	TEP4222	INPUT-OUTPUT ANALYS	2	7,5
2h	TI04146	FIN SC/TECHN STUD	6	7,5
2h	TI04195	ENV MANAGEMENT/CG		7,5
2h	TI04201	RISK GOVERNANCE		7,5
2h	TI04525	SAFE HEALTH/ENV SC	3	7,5
2h	TPD4505	DESIGN THEORY SC	4	7,5
2h	TPK4160	VALUE CHAIN CONTR		7,5
2h	POL3507	POLICY ANALYSIS		15,0
2h	SOS1002	RESEARCH METHODS	7	15,0
		<b>Project and thesis preparation courses</b>	8	
2h	TBA4580	IND ECOL PROJECT		15,0
2h	TEP5100	IND ECOL PROJECT		15,0
2h	TI05235	IND ECOL PROJECT		15,0
2h	TPD4190	DESIGN PROJECT		15,0
2h	POL3520	IND ECOL PROJECT		15,0
		<b>Master Thesis</b>	9	
2v	TBA4950	INDUSTRIAL ECOLOGY		30,0
2v	TEP4930	INDUSTRIAL ECOLOGY		30,0
2v	TI04955	INDUSTRIAL ECOLOGY		30,0
2v	TPD4910	INDUSTRIAL ECOLOGY		30,0
2v	POL3920	INDUSTRIAL ECOLOGY		30,0

o = Compulsory courses

v = Optional courses

Ex 1h = Term 1, Exam Autumn

Ex 1v = Term 2, Exam Spring

Ex 2h = Term 3, Exam Autumn

Ex 2v = Term 4, Master Thesis Spring

cont.

- 1) The courses are selected so that the total weighting each term amounts to 30 credits (Cr). Other optional courses may be chosen from the NTNU courses if there is not a conflict with respect to exam dates. The combination of optional courses must be approved by the programme.
- 2) This course is compulsory if a student chooses a thesis in TEP4930.
- 3) This course is compulsory if a student chooses a thesis in TIØ4955.
- 4) This course is compulsory if a student chooses a thesis in TPD4910.
- 5) This course is compulsory if a student chooses a thesis in POL3920.
- 6) The course is not considered when planning the teaching and examination schedules.
- 7) If a student chooses a thesis in POL3920 and does not have this course or a similar one in his bachelor's degree, this course is compulsory.
- 8) The student chooses one of these, and the choice must be approved by the programme taking into account the background of the student.
- 9) The student chooses one of these, and the choice must be approved by the programme taking into account the background of the student.

## FACULTY OF ENGINEERING SCIENCE AND TECHNOLOGY

### MSC-PROGRAMME IN INDUSTRIAL ECOLOGY (MSINDECOL)

Term 3 and 4 (2013/14)

Ex	Subject no	Subject title	Note	Cr	Specialization	
					1	2
		<b>Compulsory and optional courses</b>				
2h	TEP4222	INPUT-OUTPUT ANALYS	1	7,5	o	v
2h	TI04300	ENV SC ECOSYS SUST		7,5	v	v
2h	TI04525	SAFE HEALTH/ENV SC	2	7,5	v	v
2h	TPD4505	DESIGN THEORY SC		7,5	v	v
2h	TPK4160	VALUE CHAIN CONTR		7,5	v	v
2h	POL3507	POLICY ANALYSIS	3	15,0	v	v
		<b>Project and thesis preparation course</b>				
2h	TBA4580	IND ECOL PROJECT	4	15,0	v	-
2h	TEP5100	IND ECOL PROJECT		15,0	v	-
2h	TI05235	IND ECOL PROJECT	2	15,0	-	v
2h	TPD4190	DESIGN PROJECT		15,0	v	-
2h	POL3520	IND ECOL PROJECT	5	15,0	-	v
		<b>Master Thesis</b>				
2v	TBA4950	INDUSTRIAL ECOLOGY	4	30,0	v	-
2v	TEP4930	INDUSTRIAL ECOLOGY		30,0	v	-
2v	TI04955	INDUSTRIAL ECOLOGY	2	30,0	-	v
2v	TPD4910	INDUSTRIAL ECOLOGY		30,0	v	-
2v	POL3920	INDUSTRIAL ECOLOGY	5	30,0	-	v

o = Compulsory courses

v = Optional courses

Ex 2h = Term 3, Exam Autumn

Ex 2v = Term 4, Master Thesis Spring

- 1) The courses are selected so that the total weighting each term amounts to 30 credits (Cr). Other optional courses may be chosen from the NTNU courses. The combination of optional courses must be approved by the programme.
- 2) This course is compulsory for students in Specialization 2 who want to write a project and a thesis with a supervisor from the Dep. of Industrial Economics and Technology Management.
- 3) The course is taught upon availability. The course is not considered when planning the teaching and examination schedules.
- 4) Students in Specialization 1 choose one of the options depending on which department their supervisor belongs to.
- 5) This course is compulsory for students in Specialization 2 who want to write a project and a thesis with a supervisor from the Dep. of Sociology and Political Science.

Specialization:

1 Environmental Systems Analysis

2 Environmental Politics and Management

For Specialization 2, in term 3 (2h) students must choose different compulsory courses depending on from which department they want to have a supervisor; from the Dep. of Industrial Economics and Technology Management or the Dep. of Sociology and Political Science. In order to have a supervisor from the Dep. of Sociology and Political Science the student must have at least 60 ECTS credits of Political Science courses in his bachelor degree.