

FACULTY OF NATURAL SCIENCES AND TECHNOLOGY

MSC-PROGRAMME IN CHEMICAL ENGINEERING (MSCHEMENG)

Term 1 and 2

Ex	Subject no.	Subject title	Note	Cr
1h	TKP4110	CHEM REACTION ENG		7,5
1h	TKP4140	PROCESS CONTROL	1	7,5
1h	TKP4155	REACTION KIN/CATALYS	1	7,5
1h	TKP4160	TRANSPORT PHENOMENA	1	7,5
1h	TKP4170	PROCESS DESIGN PROJ	2	7,5
1v	TKP4115	SURFACE/COLLOID CHEM	1	7,5
1v	TKP4130	POLYMER CHEMISTRY	3	7,5
1v	TKP4135	CHEM PROC SYST ENG	3	7,5
1v	TKP4145	REACTOR TECHNOLOGY	3	7,5
1v	TKP4150	PETROCH/OIL REFINING	3	7,5
1v	TKP4171	PROCESS DESIGN PROJ	2	7,5
1v	TKP4175	THERMODYN METHODS		7,5
		Supplementary courses	4	
1h	TBT4140	BIOCHEM ENGINEERING		7,5
1h	TMA4195	MATHEMATIC MODELLING		7,5
1h	TMA4215	NUMERIC MATHEMATICS		7,5
1h	TPG4105	PETROLEUM ENG BC		7,5
1h	TPG4140	NATURAL GAS		7,5
1h	TPK4120	SAFETY/RELIAB ANALYS		7,5
1h	TVM4145	WATER/WASTEW TREATM		7,5
1v	KJ2053	CHROMATOGRAPHY		7,5
1v	TBT4125	FOOD CHEMISTRY		7,5
1v	TBT4130	ENVIRONM BIOTECH		7,5
1v	TEP4215	PROCESS/HEAT INT		7,5
1v	TEP4250	MULTIPHASE TRANSPORT		7,5
1v	TEP4265	FOOD ENGINEERING		7,5
1v	TKJ4175	CHEMOMETRICS BC		7,5
1v	TKP4185	NUCLEAR POWER INTRO		7,5
1v	TKT4140	NUM METH COMP LAB		7,5
1v	TMM4175	POLYMERS/COMPOSITES		7,5
1v	TPG4230	FIELD DEV/OPERATIONS		7,5
1v	TTK4135	OPTIMISATION/CONTROL		7,5

Ex 1h = Term 1, Exam Autumn

Ex 1v = Term 2, Exam Spring

- 1) At least 3 of these 4 courses must be selected.
- 2) The course can be chosen either in autumn (TKP4170) or in spring (TKP4171).
- 3) At least 1 of these courses must be selected.
- 4) Supplementary courses must be selected to obtain a total of 30 credits in each semester. The courses are not considered when planning the teaching and examination schedules.

FACULTY OF NATURAL SCIENCES AND TECHNOLOGY

MSC-PROGRAMME IN CHEMICAL ENGINEERING (MSCHEMENG)

Term 3 and 4

Ex	Subject no.	Subject title	Note	Cr
		Specialization courses	1	
2h	TKP4515	CATALYS/PETROCHEM SC		7,5
2h	TKP4525	COLL/POLYMER CHEM SC		7,5
2h	TKP4535	REACTOR TECHN SC		7,5
2h	TKP4545	SEP/ENVIRONM TECH SC		7,5
2h	TKP4555	PROCESS SYST ENG SC		7,5
2h	TKP4565	PAPER/FIBER TECH SC		7,5
		Specialization projects	1	
2h	TKP4510	CATALYS/PETROCHEM SP		15,0
2h	TKP4511	CATALYS/PETROCHEM SP		7,5
2h	TKP4520	COLL/POLYMER CHEM SP		15,0
2h	TKP4521	COLL/POLYMER CHEM SP		7,5
2h	TKP4530	REACTOR TECHN SP		15,0
2h	TKP4531	REACTOR TECHN SP		7,5
2h	TKP4540	SEP/ENVIRONM TECH SP		15,0
2h	TKP4541	SEP/ENVIRONM TECH SP		7,5
2h	TKP4550	PROCESS SYST ENG SP		15,0
2h	TKP4551	PROCESS SYST ENG SP		7,5
2h	TKP4560	PAPER/FIBER TECH SP		15,0
2h	TKP4561	PAPER/FIBER TECH SP		7,5
		Supplementary courses	2	
2h	TBT4140	BIOCHEM ENGINEERING		7,5
2h	TKP4140	PROCESS CONTROL		7,5
2h	TKP4155	REACT KIN/CATALYSIS		7,5
2h	TKP4160	TRANSPORT PHENOMENA		7,5
2h	TMA4195	MATHEMATIC MODELLING		7,5
2h	TMA4215	NUMERIC MATHEMATICS		7,5
2h	TPG4105	PETROLEUM ENG BC		7,5
2h	TPG4140	NATURAL GAS		7,5
2h	TPK4120	SAFETY/RELIAB ANALYS		7,5
2h	TVM4145	WATER/WASTEW TREATM		7,5
		Master Thesis		
2v	TKP4900	CHEMICAL ENGINEERING		30,0

Ex 2h = Term 3, Exam Autumn

Ex 2v = Term 4, Master Thesis Spring

- 1) One specialization course and one specialization project must be selected. The specializations are within the following six main profiles:
 Catalysis and Petrochemistry
 Colloid and Polymer Chemistry
 Reactor Technology
 Separation and Environmental Technology
 Process Systems Engineering
 Paper and Fibre Technology
- 2) Supplementary courses must be selected to obtain a total of 30 credits per semester. The courses are not considered when planning the teaching and examination schedules.