

FACULTY OF ENGINEERING SCIENCE AND TECHNOLOGY

MSC-PROGRAMME IN PETROLEUM ENGINEERING AND PETROLEUM GEOSCIENCES

Term 1, 2, 3 and 4

PETROLEUM ENGINEERING (MSG1)

Ex	Subject no.	Subject title	Note	Cr	Specialization			
					1	2	3	4
		Compulsory and optional courses	1					
1h	TPG4117	UNCONVENT RESERVOIRS		7,5	v	-	-	v
1h	TPG4145	RESERVOIR FLUIDS		7,5	o	o	v	v
1h	TPG4150	RESERVOIR REC TECHN		7,5	o	o	o	o
1h	TPG4155	APPL COMPUTER METHOD		7,5	o	o	o	o
1h	TPG4175	PETROPHYSICS FUND		7,5	v	v	v	v
1h	TPG4177	CARB RESERVOIR CHAR		7,5	v	v	v	v
1h	TPG4215	HIGH DEV DRILLING		7,5	v	v	o	v
1h	TPG4235	WELL TESTING AC		7,5	v	v	v	v
1h	TPG5140	SPEC SUB SURF MAN	2	7,5	v	v	v	v
1v	-	EXP IN TEAM INT PROJ		7,5	o	o	o	o
1v	TPG4115	RESERVOIR PROPERTIES			v	v	v	v
1v	TPG4160	RESERVOIR SIMULATION		7,5	o	v	v	v
1v	TPG4180	PETR PHYS INTERPR AC		7,5	v	v	v	o
1v	TPG4205	DRILL TECH PR CONTR		7,5	v	v	v	v
1v	TPG4220	DRILLING FLUID		7,5	v	v	o	v
1v	TPG4225	FRACTURED RESERVOIRS	2	7,5	v	v	v	v
1v	TPG4230	FIELD DEVELOPMENT		7,5	v	o	v	v
1v	TPG5110	PETROLEUM ECONOMICS		7,5	v	v	v	v
2h	TPG4185	FORMATION MECHANICS		7,5	v	v	v	v
2h	TPG4235	WELL TESTING AC		7,5	v	v	v	v
		Specialization courses						
2h	TPG4505	FORM EV-ENG SC		7,5	-	-	-	o
2h	TPG4515	PETR PROD SC		7,5	-	o	-	-
2h	TPG4525	DRILLING ENG SC		7,5	-	-	o	-
2h	TPG4535	RESERVOIR ENG SC		7,5	o	-	-	-
		Specialization project						
2h	TPG4500	FORM EV-ENG SP		15,0	-	-	-	o
2h	TPG4510	PETR PROD SP		15,0	-	o	-	-
2h	TPG4520	DRILLING ENG SP		15,0	-	-	o	-
2h	TPG4530	RESERVOIR ENG SP		15,0	o	-	-	-
		Master Thesis						
2v	TPG4920	PETROL ENGINEERING		30,0	o	o	o	o

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

- 1) Totally four subjects must be chosen each semester. In addition to the subjects listed 2h students can choose from 1h Petroleum Engineering, 1h Petroleum Geosciences and PhD-courses if taught in English.
- 2) The course is not considered when planning the teaching and examination schedules.

Specialization:

1. Reservoir Engineering
2. Petroleum Production
3. Drilling Engineering
4. Formation Evaluation

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MSC-PROGRAMME IN PETROLEUM ENGINEERING AND PETROLEUM GEOSCIENCES

Term 1, 2, 3 and 4

PETROLEUM GEOSCIENCES (MSG2)

Ex	Subject no.	Subject title	Note	Cr	Specialization	
					1	2
		Compulsory and optional courses				
1h	TGB4160	PETROLEUM GEOLOGY	1	7,5	v	o
1h	TPG4120	ENG/ENVIRONM GEOPHYS	2	7,5	v	v
1h	TPG4125	SEISMIC WAVE PROP		7,5	o	o
1h	TPG4150	RESERVOIR REC TECHN		7,5	v	v
1h	TPG4155	APPL COMPUTER METHODS		7,5	o	o
1h	TPG4175	PETROPHYSICS BC		7,5	v	v
1h	TPG4177	CARB RESERVOIR CHAR		7,5	v	v
1h	TPG4185	FORMATION MECHANICS		7,5	v	v
1h	TPG4195	GRAVIMETR MAGNETOMET		7,5	v	v
1h	TPG5130	SEISMIC PROCESSING	2	7,5	v	v
1v	-	EXP IN TEAM INT PROJ		7,5	o	o
1v	TGB4135	BASIN ANALYSIS		7,5	v	v
1v	TGB4170	DIAGENESIS/RESQUAL		7,5	v	v
1v	TPG4130	SEISMIC INTERPRET		7,5	o	o
1v	TPG4170	RESERVOIR SEISMICS		7,5	v	v
1v	TPG4180	PETR PHYS INTERPR AC		7,5	v	v
1v	TPG5110	PETROLEUM ECONOMICS		7,5	v	v
2h	TPG4190	SEISMIC DATA		7,5	o	v
		Specialization courses				
2h	TGB4565	PETR GEOLOGY SC		7,5	-	o
2h	TPG4545	PETR GEOPHYS SC		7,5	o	-
		Specialization project				
2h	TGB4560	PETR GEOLOGY SP		15,0	-	o
2h	TPG4540	PETR GEOPHYS SP		15,0	o	-
		Master Thesis				
2v	TGB4915	PETROLEUM GEOSCIENCE		30,0	-	o
2v	TPG4925	PETROLEUM GEOSCIENCE		30,0	o	-

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

1) Totally four subjects must be chosen each semester. In addition to the subject listed 2h (TPG4190) students in specialization 2 can choose from 1h Petroleum Engineering, 1h Petroleum Geosciences and PhD-courses if taught in English.

2) The course is not considered when planning the teaching and examination schedules.

Specialization:

1. Petroleum Geophysics

2. Petroleum Geology