

MSC-PROGRAMME IN EARTH SCIENCES AND PETROLEUM ENGINEERING

Term 1, 2, 3 and 4

PETROLEUM ENGINEERING (MSG1)

Ex	Subject no.	Subject title	Note	Autumn			Spring			Cr	Exam	Specialization			
				F	Ø	S	F	Ø	S			1	2	3	4
1h	TPG4145	RESERVOIR FLUIDS		4	6	2				7,5	x	o	o	v	v
1h	TPG4150	RESERVOIR REC TECHN		4	4	4				7,5	x	o	o	o	o
1h	TPG4177	CARB RESERVOIR CHAR		4	2	6				7,5	x	v	v	v	v
1h	TPG4215	HIGH DEV DRILLING		4	1	7				7,5	x	v	v	o	v
1h	TPG5100	MATH/COMPUTER METHOD		2	8	2				7,5	-	o	o	o	o
1h	TPG5120	PETROPHYSICS BC	1	4	2	6				7,5	x	v	v	v	v
1v	TPG4160	RESERVOIR SIMULATION					4	4	4	7,5	x	o	v	v	v
1v	TPG4180	PETR PHYS INTERPR AC	1				4	2	6	7,5	x	v	v	v	o
1v	TPG4205	DRILL TECH PR CONTR	2				2	2	8	7,5	x	v	v	v	v
1v	TPG4220	DRILLING FLUID/HYDR					2	2	8	7,5	x	v	v	o	v
1v	TPG4225	FRACTURED RESERVOIR					3	2	7	7,5	x	v	v	v	v
1v	TPG4230	WELL TECHNOLOGY					3	2	7	7,5	x	o	o	o	o
1v	TPG5110	PETROLEUM ECONOMICS					3	2	7	7,5	x	v	v	v	v
		Total weighting compulsory subjects	3							30,0/ 37,5					
2h	TPG4185	FORMATION MECHANICS		3	3	6				7,5	x	v	v	v	v
2h	TPG4700	FORM EV-ENG SPEC				36				22,5	x	-	-	-	o
2h	TPG4705	PETR PROD SPEC				36				22,5	x	-	o	-	-
2h	TPG4710	DRILLING SPEC				36				22,5	x	-	-	o	-
2h	TPG4715	RESERVOIR ENG SPEC				36				22,5	x	o	-	-	-
2h	TPG5200	PET ENG/GEO INT PROJ		5	7					7,5	-	v	v	v	v
		Total weighting compulsory subjects	4							22,5					
2v		Master Thesis								30,0					

o - compulsory subjects

v - optional subjects

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) TPG4180 requires TPG5120 or equivalent.
- 2) The course is not taught in 2005/06.
- 3) Two optional subjects must be chosen in the autumn semester (1h) in specialization 4. In specialization 1, 2 and 3 one optional subject must be chosen. Three optional subjects must be chosen in the spring semester (1v) in specialization 2. Two subjects must be chosen in specialization 1, 3 and 4.
- 4) One subject must be chosen in the third semester (2h). In addition to the subject listed, students can also choose from first semester, Petroleum Engineering, Petroleum Geosciences and Phd-courses if taught in English.

Specialization:

- 1 Reservoir Engineering
- 2 Petroleum Production
- 3 Drilling Technology
- 4 Formation Evaluation

MSC-PROGRAMME IN EARTH SCIENCES AND PETROLEUM ENGINEERING

Term 1, 2, 3 and 4

PETROLEUM GEOSCIENCES (MSG2)

Ex	Subject no.	Subject title	Note	Autumn			Spring			Cr	Exam
				F	Ø	S	F	Ø	S		
1h	TGB4160	PETROLEUM GEOLOGY		3	2	7				7,5	x
1h	TPG4150	RESERVOIR REC TECHN		4	4	4				7,5	x
1h	TPG4177	CARB RESERVOIR CHAR		4	2	6				7,5	x
1h	TPG4185	FORMATION MECHANICS		3	3	6				7,5	x
1h	TPG4195	GRAVIMETR MAGNETOMET		4	1	7				7,5	x
1h	TPG5100	MATH/COMPUTER METHOD		2	8	2				7,5	-
1h	TPG5120	PETROPHYSICS BC	1	4	2	6				7,5	x
1v	TGB4135	BASIN ANALYSIS					2	3	7	7,5	x
1v	TGB4170	DIAGENESIS/RES QUAL					2	2	8	7,5	x
1v	TPG4130	SEISMIC INTERPRET					2	3	7	7,5	x
1v	TPG4170	RESERVOIR SEISMICS					4	1	7	7,5	x
1v	TPG4180	PETR PHYS INTERPR AC	1				4	2	6	7,5	x
1v	TPG5110	PETROLEUM ECONOMICS					3	2	7	7,5	x
		Total weighting compulsory subjects	2							15,0	
2h	TGB4715	PETR GEOLOGY SPEC				36				22,5	x
2h	TPG4120	ENG/ENVIRONM GEOPHYS		2	2	8				7,5	x
2h	TPG4190	SEISMIC DATA		3	2	7				7,5	x
2h	TPG4720	PETR GEOSCIENCE SPEC				36				22,5	x
2h	TPG5200	PET ENG/GEO INT PROJ			5	7				7,5	-
		Total weighting compulsory subjects	3							30,0/ 22,5	
2v		Master Thesis								30,0	

o - compulsory subjects

v - optional subjects

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) TPG4180 requires TPG5120 or equivalent.
- 2) In the autumn semester (1h) TPG5100 is compulsory. In the spring semester (1v) TPG4130 is compulsory. Totally four subjects must be chosen each semester, see note 3.
- 3) In addition to the subjects (listed 2h), students can choose from 1h Petroleum Engineering, 1h Petroleum Geosciences and Phd-courses taught in English.
Specialization and compulsory subjects within these:
Seismics: TGB4160 Petroleum Geology (1h), TPG4130 Seismic Interpretation (1v), TPG4170 Reservoir Seismics (1v) and TPG4190 Seismic Data (2h).
Reservoir Geology: TPG4180 Petrophysics, Interpretation of Well Data AC (1v), TGB4160 Petroleum Geology (1h), TGB4170 Diagenesis/Res.Qual. (1v) and TPG4190 Seismic Data (2h).
Formation Evaluation: TPG4180 Petrophysics, Interpretation of Well Data AC (1v), TPG4130 Seismic Interpretation (1v) and TPG4185 Formation Mechanics (1h).