Course code	Course name	ECTS	Language	Compulsary?	Education periods	Academic year 1				Academic year 2			
						Semester 1		Semester 2		Semester 3		Semester 4	
						Edu. Per	Edu. Per	Edu. Per	Edu. Per	Edu. Per	Edu. Per	Edu. Per	Edu. Per
Geo-Energy Engineering track													
AESM1305	Geo-Energy Engineering Challenge	12	EN	Y	1								
AESM1315	Energy Transition	3	EN	Y	1								
AESM1320	Geology for Geo-Energy	5	EN	Y	2								
AESM1325	Physics for Geosystems	5	EN	Y	2								
AESM1330-21	Forward and Inverse Geomodelling	5	EN	Y	2								
AESM1400	Geothermal Energy	3	EN	N	3								
AESM1405	Petroleum Exploration and Production	3	EN	N	3								
AESM1410	Subsurface Storage	3	EN	N	3								
AESM1415	Effects of Subsurface Engineering	3	EN	N	3								
AESM1420	Advanced Sedimentary Geology	3	EN	N	3								
AESM1425	Geomechanics and Structural Geology	3	EN	N	3								
AESM1440	Multiphase Flow in Porous Rock	3	EN	N	3								
AESM1445	Dynamic Modeling and Optimization	3	EN	N	4								
AESM1450	Geophysical Prospecting	3	EN	N	3								
AESM1455	Numerical Methods for Subsurface Geoscience Simulation	3	EN	N	3								
AESM1430	Simulation and Building of Stratigraphy	3	EN	N	4								
AESM1435	Production Science and Technology	3	EN	N	4								
AESM1460	Reservoir Characterisation and Petrophysics	3	EN	N	4								
AESM1465	Geologic Interpretation of Geophysical Data	3	EN	N	4								
AESM1470	Field Lab	3	EN	Y	4								
AESM1475	Outcrop Geology for Subsurface Characterization	3	EN	N	4								
AESM2310	Final Thesis Geo-Energy Engineering	45	EN	Y	2,3,4,5								
AESM2305	Geo-Energy Engineering Project	15	EN	Y	1								