

List of courses

All the listed courses are mandatory and serve as the currently required core of the program. A student with first degree in petroleum engineering might choose to attend an alternative university course instead of the PET 501 which is on the introduction to the petroleum engineering. Deviation from the recommended lists will be allowed provided approval is granted by the academic director of the program.

Course No.	Course Title	ECTS	Instructor	Relative Work experience
PET 501	Introduction to petroleum engineering	8	Panos Papanastasiou Andreas Alexandrou	UCY, ex SLB UCY, WPI
PET 511	Petroleum geology	8	Paul Featherstone	ex Shell
PET 513	Formation evaluation	8	Alain Brie Ioannis Ioannou	ex-SLB UCY
PET 521	Drilling operations	8	Vassilios Kelessidis	U of Qatar, ex- SLB
PET 522	Well and subsea completions and production facilities	8	P. Papanastasiou C. Hadjistassou M. Efthimiou	UCY, ex SLB UCY Ex Shell
PET 531	Reservoir engineering	8	Christine Economides	U Texas A&M, ex SLB
PET 532	Natural gas production engineering	8	Angelos Efstathiou	UCY
PET 551	Project in hydrocarbon exploration and production	16	P. Featherstone P. Papanastasiou	ex Shell UCY, ex SLB
PET 502	Hydrocarbon law & economics	4	Gina Cohen	Ex British Gas
PET 503	Health, Safety and Environmental assessment and control in petroleum operations	4	M. Efthimiou	ex Shell
PET 512	Applied geophysics: seismic Interpretation	4	Benjamin Medvedev	SLB
PET 541	Petroleum geomechanics	4	D. Loukidis E. Papamichos Jean Desroches	UCY U Thessaloniki, SINTEF-Norway SLB
PET 552	Seminars related to petroleum engineering	2		University and Oil industry experts

A sample program of Master in Petroleum Engineering

Following the University of Cyprus and the European Common Transfer System existing guidelines, the program will require the completion of 90 ECTS, of which 72 ECTS will be devoted to coursework, 2 ECTS to scientific seminars and 16 ECTS to a final project. In the ECTS system, for one semester with 13 weeks teaching period and 1 week of study preparation for exams for an 8 ECTS course the work breaks down as follows: lecture hours $3 \times 13 = 39$, homework preparation $12 \times 14 = 168$ hours.

Therefore, the total student load for this course is $39 + 168 = 207$ hours and an ECTS unit is typically awarded for 25-30 hours workload for a student. On this basis, for each course of the program Master in Petroleum Engineering 8 ECTS were allocated.

The following table presents a typical program of study which can be completed in a calendar year given that the student will follow a full-time program including the summer months. Some of the courses will be offered by visiting instructors from abroad with industrial experience. Therefore, it might be necessary those courses to be offered in an intensive lecture program of one or more full weeks. The students will be notified on time on the detail class schedule.

Term	Period		Course	ECTS
Prep. Period	August-Sept		Prerequisite Subjects	
1	Sep-Oct	PET 501	Introduction to Petroleum Engineering	8
		PET 511	Petroleum Geology	8
2	Nov-Dec	PET 521	Drilling Operations	8
		PET 512	Applied geophysics: seismic interpretation	4
		PET 502	Hydrocarbon law & economics	4
		PET 561	Fall Semester Seminars in Petroleum Engineering	1
3	Jan-Feb	PET 513	Formation Evaluation	8
		PET 522	Well and subsea completions and production facilities	8
4	Mar-Apr	PET 531	Reservoir Engineering	8
		PET 541	Petroleum Geomechanics	4
		PET 503	Health, Safety, Environmental assessment and control in petroleum operations	4
		PET 562	Spring Semester Seminars in Petroleum Engineering	1
5-6	May-Aug	PET 532	Natural Gas Production Engineering	8
		PET 551	Project in hydrocarbon exploration and production	16