

MASTER 'PETROLEUM ENGINEERING'

'Petroleum Engineering Reinforcement' second year only.

On September 10th we open a novel specialization entitled 'Petroleum Engineering Reinforcement'. This new one-year lecture program targets students who already hold a master degree in fields such as **geosciences, process engineering or applied physics**, and who wish specialize in petroleum engineering. Successful candidates obtain the title of Master in Petroleum Engineering.

60 credit points have to be earned over the course of 2 semesters. The first semester (September to January) is dedicated to personal training in specific subject matters of interest, while the second semester is reserved for a 5-month internship (February to June). The list of mandatory and optional courses is summarized in the table below. The second semester (by February) is dedicated to the internship. Candidates have flexibility in selecting the subject matters in which they want to specialize. The counterpart is that some overlap between courses is unavoidable. For this reason, the candidate will need to work by himself to fill the potential gaps.

Pau is pleasant city (~150 000 inhabitants) with several petroleum companies at few km from the center. The University of Pau (UPPA) gathers ~12000 students. The tuition fee is ~ 500 €/year and ~1000€/year for students <29 years old and >29 years old respectively. Besides tuition, the fee also covers medical insurance. The cost of life in Pau is one of the lowest in France (typically ~300 €/month rent for a 20 m2 flat). A grant can be obtained for a student with outstanding records, and with a PhD project.

MASTER SECOND YEAR Petroelum Engineering Reinforcement			
	Courses	Lessons	Credits
First Semester (September - January)	Mandatory 10 ECTS	Unconventional Resources	4
		Health & Security Executive	2
		Project Management	2
		French as a foreign language	2
	Optional 20 ECTS	field case Geosciences	4
		Seismic interpretation	4
		Basin deformation 2	4
		inversion and optimisation	4
		Sedimentary systems	4
		Well logging	4
		Advanced reservoir simulation	4
		Field case Reservoirs	4
		Numerical upscaling	4
		Enhanced Oil Recovery	4
Field case production	4		
Second Semester		Internship 5 to 6 months	30

To apply to this course (deline July, 2nd, 2018), candidate has to fulfill the following;

- ✓ **Candidate must have a master degree in geosciences (geology, geophysics, petrophysics), process engineering or in physics applied to petroleum engineering;**
- ✓ **Candidate must be in the top 10% of students during scholarship;**
- ✓ **It is desirable to have already possibilities for a 5-month internship;**

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