

LEARN MORE ABOUT OIL AND GAS TRENDS AND PETROLEUM INDUSTRY, JOIN THIS ONLINE SUMMER SCHOOL!

ECTS credits: 4.0











BRIEF DESCRIPTION

The course provides a comprehensive overview of the oil and gas industry from upstream exploration and production to downstream refining, pumping, sales and marketing. Participants will learn all the subtleties of the processes and technologies of viscous oil extraction, oil preparation and gas recovery under the supervision of leading Russian and International professors and experts. They will gain an appreciation of industry dynamics and the key issues affecting its development and future. This course will provide a thorough foundation for understanding the changing "Oil & Gas" industry dynamics.Participants will enjoy a hands-on experience through a variety of individual and team exercises and projects, with the opportunity to exchange views and skills with a diverse group of industry peers.

Costs:

US\$450- includes registration, teaching costs, 4.0 ECTS credits Certificate, 40 hours online russian language course with ALAR's Certificate











Program dates: July 20 - August 01, 2020

Registration deadline: July 04th, 2020

Entrance requirements:

- -Good command of English. All classes and outof-class activities are conducted in English.
- -Knowledge of the Russian language is not required.
- -Applicants are expected to have at least 2 year of University level studies.

Program partners

- Gazprom Transgaz
- Gazprom Neft
- Surgutneftegaz (Kirishi oil refinery)
- Branch of PJSC OGK-2 Kirishskaya TPP

Professors and lecturers

SPbPU professors, leading international professors and guest speakers from companies

Course and calendar description

Please find attached curricula and calendar at the end of this document





OIL&GAS IN ENERGY INDUSTRY

TIME	MON JULY 20th	TUE JULY 21st	WED JULY 22nd	THU JULY 23rd	FRI JULY 24th	SAT JULY 25th	SUN JULY 26th
10:00			Hydrocarbons	Introduction to	Application of		
10:15	Petroleum	Maturation and	traps	machine learning			
10:30	characteristic	kerogen	a sape	Application in all	techniques to		
10:45	and origin		Reservoirs	Application in oil and gas industry	geophysical well' log data		
11:00				and gas maastry	log data		
11:15	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
11:30							
11:45				Introduction to	Application of		
12:00	Organic matter	Migration of	Unconventional	machine learning	machine learning techniques to		
12:15	and source rocks	Hydrocarbons	Hydrocarbons	Application in oil	geophysical well'		
12:30				and gas industry	log data		
12:45							
13:00	Consultation	Consultation	Consultation	Consultation	Consultation		
13:15							
13:30							
13:45							
14:00	Cultural	Cultural		Cultural	Cultural		Cultural
14:15	Programme:	Programme:	Campus Tour	Programme:	Programme:		Programme:
14:30	Lesson 1 *	Lesson 2*		Lesson 3*	Lesson 4*		Lesson 5*
14:45							
TBA					Live-chat		Live-chat
TDA						Mhito Nighto Live	
ТВА						White Nights Live	
* - Recom	mended timing for	Cultural Programm	ne TBA -	To Be Announced			



OIL&GAS IN ENERGY INDUSTRY

TIME	MON JULY 27th	TUE JULY 28th	WED JULY 29th	THU JULY 30th	FRI JULY 31st	SAT AUG 1st	SUN AUG 2nd
10:00	Problems of petrophysics			Drilling fluids and			
10:15	engineering regarding	Introduction to		drilling hydraulics	Management &		
10:30	fluid filtration and poroelasticity solved	Thermodynamics	Drilling fluids		Safety		
10:45	with modern computer			Casing design			
11:00	algebra systems						
11:15	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
11:30							
11:45	Problems of						
12:00	petrophysics engineering regarding fluid filtration and	Introduction to	Drilling fluids	Cementing and cement job	Management &		
12:15	poroelasticity solved with modern computer	Thermodynamics		design	Safety		
12:30	algebra systems						
12:45							
13:00	Consultation	Consultation	Consultation	Consultation	Consultation		
13:15							
13:30							
13:45							
14:00	Cultural		Cultural	Cultural	Cultural		
14:15	Programme:	Sport Day	Programme:	Programme:	Programme:		
14:30	Lesson 6*		Lesson 7*	Lesson 8*	Lesson 9*		
14:45							
TBA			Live-chat		Closing Ceremony		
TDA						VA/Isita Niistata Li	
TBA						White Nights Live	
· - Recom	mended timing for	Cultural Programm	e TBA -	To Be Announced			