1. GENERAL INFORMATION				
1.1. Course teacher	Coordinators: Full professor Daria Karasalihović Sedlar (module *Geoenergy engineering and management*); Associate professor Domagoj Vulin (module *Reservoir engineering*); Assistant professor Borivoje Pašić (module *Drilling and production engineering*)		1.6. Year of study	II.
1.2. Name of the course	Professional practice (internship)		1.7. ECTS credits	4
1.3. Associate teachers	-		1.8. Type of instruction (number of hours L + E + S + e-learning)	120 hours; The student performs professional practice (internship) under the supervision of a mentor, through one of the models of professional practice (professional practice in the company, professional practice in the laboratory at faculty or professional practice at faculty in field conditions).
1.4. Study programme (undergraduate, graduate, integrated)	graduate		1.9. Expected enrolment in the course	30
1.5. Status of the course	☒ mandatory	☐ elective	1.10. Level of application of e-learning (level 1, 2, 3), percentage of online instruction (max. 20%)	-
2. COUSE DESCRIPTION				
2.1. Course objectives	Acquisition of the practical knowledge and skills necessary for easier inclusion of future engineers in the labour market and early career development.			
2.2. Enrolment requirements and/or entry competences required for the course	-			
2.3. Learning outcomes at the level of the programme to which the course contributes	Independently solve complex engineering problems in petroleum engineering and geoenergy engineering; Design wellbores for hydrocarbon and geothermal water exploitation; Analyse reservoir rock and reservoir fluids properties; Plan hydrocarbon and geothermal reservoir management; Predict reservoir behaviour and the behaviour of hydrocarbon and geothermal water production systems; Design a system for oil and gas processing, storage and transportation; Optimize hydrocarbon and geothermal water production; Compare specific procedures and processes in petroleum engineering and geoenergy engineering;			

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	Appraise the process and a facility's efficiency in petroleum engineering and geoenergy engineering; Assess the risk of accidental situations during various operations in petroleum engineering and geoenergy engineering; Assess the environmental impact of petroleum engineering and geoenergy engineering; Plan the methods and procedures for avoiding or minimizing environmental impacts of petroleum engineering and geoenergy engineering activities; Appraise projects in petroleum engineering and geoenergy engineering fields; Supervise projects in petroleum engineering and geoenergy engineering fields; Appraise energy company's business; Analyse energy markets.
2.4. Expected learning outcomes at the level of the course (3 to 10 learning outcomes)	Apply certain theoretical knowledge acquired during studies in practice; Distinguish different work processes within the organization selected to perform the professional practice; Perform simple work tasks assigned by the mentor; Analyze the results obtained by performing the tasks assigned by the mentor; Present the results obtained by performing the tasks assigned by the mentor; Keep a professional practice journal.
2.5. Course content (syllabus)	-

2.6. Format of instruction:			2.7. Comments:
	☐ lectures ☐ seminars and workshops ☐ exercises ☐ entirely online ☐ partial e-learning ☐ field work	☐ independent assignments ☐ multimedia and the internet ☐ laboratory ☒ work with mentor ☐ (other)	The implementation of professional practice is regulated by the faculty the rulebook on professional practice

2.8. Student responsibilities	Attendance of professional practice (minimum 120 working hours), preparation of the professional practice journal.

2.9. Monitoring student work									
	Class attendance		NO	Research		NO	Oral exam		NO
	Experimental work		NO	Report		NO	Professional practice journal	YES	
	Essay		NO	Seminar paper		NO			
	Preliminary exam		NO	Practical work	YES				
	Project		NO	Written exam		NO	ECTS credits (total)	4	

2.10. Required literature (available in the library and/or via other media)	**Title**	**Number of copies in the library**	**Availability via other media**
	The rulebook on professional practice (2021.); Faculty of Mining, Geology and Petroleum Engineering; University of Zagreb.	NO	YES

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