



## Faculty of Petroleum Refining and Petrochemistry

### Study Program: Product Quality and Environmental Factors Control

Study period: 2 years Master Program

Academic year structure: 2 semesters (14 weeks per semester, 10 weeks for the final semester)

Examination sessions: winter session (January/February)  
summer session (June/July)

Total ECTS: 120

Courses per year (C-course, S-seminar, L-Laboratory, P-project)

#### 1<sup>st</sup> YEAR

No	Course	1 <sup>st</sup> Semester					2 <sup>nd</sup> Semester				
		C	S	L	P	ECTS	C	S	L	P	ECTS
1	Green chemistry	2	-	3	-	6					
2	Advanced product analysis and expertise techniques 1	3	-	2	-	6					
3	Pollutants in water, air and soil	3	-	2	-	5					
4	Management and legislation of substances used in industrial processes	2	2	-	-	4					
5	Biological treatment of industrial waste	2	-	2	-	4					
6	Professional practice 1	-	-	-	-	5					
7	Spectrometric methods for studying the structure and composition of products						3	-	3	-	6
8	Advanced product analysis and expertise techniques 2						2	-	2	-	5
9	Ingredients, additives and organic adjuvants						2	-	2	-	5
10	Chemistry and biochemistry of products						3	-	3	-	6
11	Professional practice 2						-	-	-	-	4
12	Corrosion engineering						2	-	2	-	4

#### 2<sup>nd</sup> YEAR

No	Course	1 <sup>st</sup> Semester					2 <sup>nd</sup> Semester				
		C	S	L	P	ECTS	C	S	L	P	ECTS
1	Identification of fraud through expertise techniques	3	-	3	-	6					
2	Eco materials	3	-	3	-	6					
3	By-product recycling management	2	-	2	-	5					



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4	Food expertise	2	-	3	-	5					
5	Engineering and quality management	2	1	-	-	4					
6	Organic waste recycling technologies	2	2	-	-	4					
7	Quality control of organic intermediates, tensides of polymeric and bituminous materials						3	-	3	-	5
8	Electrochemical ion-selective sensors and modern electro analytical techniques						4	-	3	-	6
9	Simulation of environmental protection processes and equipment						3	-	-	3	4
10	Ethics and academic integrity						2	1	-	-	4
11	Professional practice 3						-	-	-	-	4
12	Practice for elaboration of dissertation project (4 weeks)						-	-	-	-	7