				RSITY OF EAST culty of Technolog						
S S S S S S S S S S S S S S S S S S S		Study programme: Chemical Engineering and Technolog								
		Cycle I		Year IV						
			EL TECHNOLO							
Department		Departr	ment for Chemical Technologies– Faculty of Technology Zvornik							
Course code			Cou	Course status		ter	ECTS			
04-2-067-8				Elective			4			
Teacher Teaching	Z	oran Petro	ić, PhD, Assoc. Prof.							
assistant	Z	oran Petrov	vić, PhD, Assoc	. Prof.						
Number of classes/ teaching v week)			orkload (per	kload (per Individual student worklo semester		n hours per	Student workload coefficient S₀			
Lectures	Audito		Laboratory exercises	Lectures	Auditory exercises	Laboratory exercises	S₀			
2	exer(2	30	0	30	1.00			
_	<u>2*15</u> +0'	*15+2*15=6	60 hours		(2*15*1-	+0*15*1+2+15*1				
Total course workload 60 + 60 = 60 hours per semester										
Learning outcomes	2. co 3. 4. 5.	 accordance with national and EU standards. 2. demonstrate and utilize knowledge about ecological and economic advantages of biofuels compared to conventional fuels. 3. calculate the material and energy balance. 4. demonstrate and utilize knowledge of parameters for biofuel production in laboratory conditions. 5. demonstrate and utilize the ability to work independently or in a team to solve problems related to the production, characterization and application of biofuels 								
Prerequisites										
Teaching meth		ectures, ex	xperimental exercises, industrial visits, seminar paper							
Syllabus out per week										
			Obligatory reading				D			
Author Mićić, V., Petrović, Z., Dugić, P.				Title, publisher Biomasa i biogas kao alternativno		Year ^{oški} 2015	Pages 1-130			
Mićić, V.,Aleksić, V., Damjanović, V.					ola kao alternativr nik		1-157			

Additional reading										
Author		Title, publisher			Pages					
Letcher, M.T.		Future energy: Improved, Sustainable and clean options for our planet, Elsevier Ltd., Amsterdam	1991							
	Type of student evaluation				Percentage					
	Pre-exam of	bligations								
Ohlingtigue		Atten	dance	6	6 %					
Obligations, assessment		Mid-term test (colloqu	ium) 1	20	20 %					
methods and		Mid-term test (colloqu	ium) 2	20	20 %					
grading system		Laboratory exe	ercises	14	14 %					
grading system		Seminar	paper	10	10 %					
	Final examir	nation								
		Final examination	(oral)	30	30 %					
	Total			100	100 %					
Web page	www.tfzv.ue	s.rs.ba								
Date	2023									