Faculty of Metalurgy and Technology / ENVIRONMENTAL PROTECTION / POLLUTANT TECHNOLOGIES II

Course:	POLLUTANT TECHNOLOGIES II			
Course ID	**Course status**	**Semester**	**ECTS credits**	**Lessons** (Lessons+Exercises+Laboratory)
8287	Mandatory	4	7	2+2+0
Programs	ENVIRONMENTAL PROTECTION			
Prerequisites				
Aims	Acquiring knowledge about processes and operations in organic chemical technology and their impact on the environment.			
Learning outcomes	According to knowledge acquired through this course students will be able: • to group the major raw materials in organic chemical industry • to know technological methods of obtaining organic industry products and their application • to define relevant parameters for process survey • to explain how technological methods of obtaining organic industry products impact on environment • to know how to reduce pollution originate during processing and application of organic industry products.			
Lecturer / Teaching assistant	Dr Biljana Damjanović-Vratnica, full professor			
Methodology	Lectures, exercises, seminar work. Consultations, midterm and final exams			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures				
I week exercises				
II week lectures				
II week exercises				
III week lectures				
III week exercises				
IV week lectures				
IV week exercises				
V week lectures				
V week exercises				
VI week lectures				
VI week exercises				
VII week lectures				
VII week exercises				
VIII week lectures				
VIII week exercises				
IX week lectures				
IX week exercises				
X week lectures				
X week exercises				
XI week lectures				
XI week exercises				
XII week lectures				
XII week exercises				
XIII week lectures				
XIII week exercises				
XIV week lectures				

XIV week exercises	
XV week lectures	
XV week exercises	
Student workload	

Per week	**Per semester**
7 credits x 40/30=9 hours and 20 minuts 2 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises **5 hour(s) i 20 minuts** of independent work, including consultations	Classes and final exam: **9 hour(s) i 20 minuts x 16 =149 hour(s) i 20 minuts** Necessary preparation before the beginning of the semester (administration, registration, certification): **9 hour(s) i 20 minuts x 2 =18 hour(s) i 40 minuts** Total workload for the subject: **7 x 30=210 hour(s)** Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) **42 hour(s) i 0 minuts** Workload structure: **149 hour(s) i 20 minuts (cources), 18 hour(s) i 40 minuts (preparation), 42 hour(s) i 0 minuts (additional work)**
Student obligations	
Consultations	
Literature	A.G.H. Lea, J.R. Piggott, Fermented Beverage Production, Kluwer Academic, 2003. L.K. Wang, Y. Hung, H. Lo, C. Yapijakis, Waste Treatment in the Food Processing Industry, CRC Press, 2005. J. Baras, Ekotehnologija u prehrambenoj industriji i biotehnologiji, TMF-Beograd, 1995. J. Sadadinović, Organska hemijska tehnologija, Tehnološki fakultet, Univerzitet u Tuzli, 1999.
Examination methods	
Special remarks	
Comment	

Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points