

Study program: Waste management			
Course title: Monitoring of waste treatment facilities			
Professor/assistant: Ph D Dragan M. Nikolic			
Type of course: elective			
ECTS credits: 7			
Pre-requisites: -			
Aims of the course:			
Preparing the student yes			
- grasp the main problem in the organization of monitoring facilities for waste treatment;			
- used method and techniques for monitoring waste treatment facilities;			
- used advanced diagnostic method and software monitoring tools;			
- recognized the problem in the construction for the treatment of waste on the basis of the results of the monitoring;			
- I advised the law from the area of monitoring of the waste treatment facility.			
Learning outcomes:			
A student is able to:			
- organizes monitoring facilities for waste treatment;			
- self-monitoring of the parameters in the waste treatment facility;			
- Propose a measure for the improvement of monitoring facilities for waste treatment;			
- apply advanced diagnostic method and software monitoring tools;			
- Develop a report on the monitoring of the waste treatment facility at the warehouse with applicable regulations;			
- send and apply legal regulation in the field of monitoring of waste treatment facilities.			
Syllabus			
<i>Theoretical part</i>			
Emission in the animal environment from a treatment plant for waste. Legislation from the area of monitoring facilities for waste treatment. Got from monitoring facilities for waste treatment. Organization monitoring facilities for waste treatment. Method for monitoring constructions and monitoring parameters. Continuous and periodic monitoring. Intelligent monitoring systems. Advanced Diagnostic Methods, Software Tools and New Applicability. Necessary information in the monitoring process for waste treatment facilities. Reporting. Detecting spoils and benchmarking. Verification and accidental patterning.			
<i>Practical part</i>			
Exercise, Other forms of instruction, Study research work			
Literature			
1. M. Bogneri dr., <i>Prečišćavanje i filtriranje gasova i tečnosti</i> , ETA, 2006.			
2. O. Jovanović, <i>Monitoring zagađenosti životne sredine</i> , Beogradska politehnika, 2009.			
3. J. Hodolić i dr., <i>Merenje i kontrola zagađenja</i> , Fakultet tehničkih nauka Novi Sad, 2015			
Number of active classes			
Lectures: 2	Practical classes: 2	Research work:	Other forms of teaching:
Teaching methods Lectures. Auditorium exercise. Consultation. Examination is made of two colloquiums and seminars. Assessment is formed on the basis of homework lectures and exercises, points with colloquiums, points on the seminar and success in the final exam.			
Grading system (maximum 100 points), grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.			
Pre-exam obligations	points	Final exam	points
activity during theoretical lectures	10	written exam	40
practical training		oral exam	
colloquium(s)/seminar papers	40+20		
Sum	60	Sum	40