

Title of the course: Wastewater and sewage sludge management and recycling	NEPTUN-code: RKWSZ1EBNE	Teaching hours: 2+0+0 Semester: 7	Credit: 3 Exam type: midterm grade
Course leader: Imre Biczó Dr.	Position: assistant professor	Required preliminary knowledge: RKXKM1ABNE Environmental operations and technologies I.	
Curriculum:			
<p>The recycling of the used water. The European and domestical requirements of the wastewater treatment. The undrained areas wastewater emplacement, local and individual installations.</p> <p>The recycling of wastewater slit – biogas recycling and agricultural recovery. The possibility of using wastewater slit, the European and domestic regulations and conditions of the possible placements. The choice of slit treatment in the light of the placement and utilization. The wager and treatment of the settlement fluid wastes.</p>			
Professional competencies:			
<p>Knowledge of the main technologies for environmental protection and recycling, the devices within the given field of technology, how to operate and maintain them.</p> <p>Knowledge of exploring the deficiencies of the applied technologies, the risks of the procedures and launch the making of the decreasing policies.</p> <p>To know the domestic and international regulations for this field of science, their connections and the main elements of the regional water management.</p>			
Bibliography:			
<p>Donald L. Rowe, Isam Mohammed Abdel-Magid (1995): Handbook of Waste Water Reclamation and Reuse, CRC Press\Lewis Publishers</p> <p>Paul Bishop (1995): Municipal Sewage Sludge: Management, Processing and Disposal, Publisher CRC Press</p> <p>EPA:Preparing Sewage Sludge For Land Application Or Surface Disposal, free download as ebook</p> <p>Juan M. Lema, Sonia Suarez Martinez (2017): Innovative Wastewater Treatment & Resource Recovery Technologies: Impacts on Energy, Economy and Environment, ebook: www.iwaponline.com</p>			
Comment:			