Course ID: HTHI04	**Course name: DESIGN OF TECHNOLOGICAL PROCESSES OF WASTEWATER TREATMENT**		
Cycle: II (SECOND)	**Year: I (FIRST)**	**Semester: II**	**ECTS credits: 4**
Course status: ELECTIVE		**Total course hours: 60** Lectures: 30 Laboratory: 30	

Teaching participants:	**Teachers and associates with expertise in the field to which the subject belongs.**
Prerequisite for enrollment:	-
Course aims:	Introducing students with the methodology of designing technological processing processes of wastewater processing.
Thematic course units:	Dating students with the principles of basic wastewater processing processes, including teaching equipment, projects of depreciation, anaerobic treatment processes, biological removal of nitrogen and phosphorus, processing and disposal of sludge. Within the exercises and seminar papers, participants produce independent conceptual technological projects.
Learning outcomes:	The student will be able to: - to have knowledge of the methodologies of designing technological processing processes of wastewater processing - will be trained to select technological equipment, and design principles - will be competent to make independent conceptual-technological projects
Teaching methodology:	1) Method of verball exposure 2) Discussion method 3) Research method 4) Method of practical work
Assessment methods and grading system:	Grading criteria

	Criteria	Maximal score	Required score
1.	Class attendance	5	3
2.	Class activities	15	8
3.	Midterms	40	22
4.	Final exam	40	22

	Total 100 55 Scores and grading Score / Grade (B&H) / Grade (ECTS) < 55 / 5 / F, FX 55–64 / 6 / E 65–74 / 7 / D 75–84 / 8 / C 85–94 / 9 / B 95–100 / 10 / A
Literature:	1. Lin S., Water and wastewater calculations manual, in Handbook of Environmental Engineering Calculations, C.C. Lee (ed.), McGraw-Hill, New York, 1999. 2. Mudrack, K.& Kunst, S. 2010, „Biologie der Abwasserreinigung“, Springer. 3. Braha, A.& Chiocel, G. 2006, „Moderne Abwassertechnik“, WILEY-VCH. 4.Eckenfelder, W.W & Malina, J.F.& Paterson, J.W.2002,“Aeration Principles and Practice“,CRC Pres.